BEFORE THE NATIONAL GREEN TRIBUNAL

SOUTHERN ZONE, CHENNAI

ORIGINAL APPLICATION No. 127 OF 2023 (SZ)

IN THE MATTER OF:

Pradeep,
Telangana & Others .... Applicant(s)

Versus

District Collector,
Sangareddy District & Others .... Respondent(s)

REPORT OF THE TELANGANA POLLUTION CONTROL BOARD (R2 & R3)

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Place: **Hyderabad.**

Date: **05-02-2025.**

T. Jaiyank

Counsel for Telangana
Pollution Control Board

REPORT OF THE ENVIRONMENTAL ENGINEER, TELANGANA POLLUTION CONTROL BOARD (TGPCB), REGIONAL OFFICE, R.C. PURAM (R-2 & 3) IN OA NO. 127 of 2023 TAKEN UP BY THE HON'BLE NGT, CHENNAI FILED BY SRI. PRADEEP, GADDAPOTHARAM, JINNARAM (M), SANGAREDDY DISTRICT.

1. It is to submit that, the Hon'ble National Green Tribunal, Southern Zone, Chennai taken up complaint of Sri Pradeep, Telangana regarding pollution of Bamana Kunta, Ali Nagar, Gaddapotharam Village, Jinnaram Mandal, Sangareddy District vide Original Application No. 127 of 2023 and directed the Board to cause an inspection and file report.

2. The Board received telephonic complaints from the petitioner on 23.07.2023 and 24.07.2023 and written complaints on 25.07.2023 and 02.08.2023 regarding pollution of Bamana Kunta caused due to discharge of effluents by M/s Metrochem API Pvt Ltd., Unit - C (Formerly Sigachi Laboratories Ltd) Sy. No. 42, Ali Nagar, Gaddapotharam Village, Jinnaram Mandal, Sangareddy District, M/s Mylan Laboratories Ltd.,Unit-II (Formerly Astrix Laboratories Ltd.,/ Matrix Laboratories Ltd., Unit – II), Sy. No. 10 & 42, Gaddapotharam Village, Jinnaram Mandal, Sangareddy District, M/s Standard Glass Lining Technology Pvt Ltd., Sy. No. 42A, Alinagar H/o Chetlapotharam Village, Gaddapotharam Gram Panchayath, Jinnaram Mandal, Sangareddy District.

3. The complaint was attended and the Board officials inspected the industries and surroundings located in Alinagar, Gaddapotharam Village, Jinnaram Mandal, Sangareddy District on 23.07.2023, 24.07.2023, 27.07.2023. The status of industries was verified and submitted detailed reports on 03.10.2023 and 17.10.2023.

4. The matter was taken for hearing before the Hon'ble NGT, Chennai on 12.12.2024 and the relevant extract of the Order of Hon'ble NGT is as follows:

    a. The report filed by the Telangana State Pollution Control Board (TGPCB) has not specifically stated the reason for the fish kill on the relevant date viz., 19.08.2023. In this regard, a letter was also sent by the applicant herein to the TGPCB on 02.08.2023.

    b. Let the TGPCB verify with the log book of ETPs operated by companies located upstream and furnish a reason for the occurrence of mass mortality of fish kill. Let the report also state whether the ETPs were functioning on the relevant date to its full capacity.

5. In this regard, the industries were inspected on 17.01.2025 to verify details of functioning of ETPs. The details are as follows:

    i. M/s Mylan laboratories Ltd., (Unit - II) (Formerly M/s. Astrix Laboratories Ltd.) :

        a. The industry is located in Sy. No.10 & 42, Alinagar, Gaddapotharam Village ,Jinnaram Mandal, Sangareddy District.
        b. The industry is engaged in manufacture of Bulk drugs and has obtained Consent for Operation (CFO) Order Dt: 06.10.2020 from the Board to manufacture 5 products (Nevirapine, Lamivudine, Emitricitabine, Fluindione and Validation

products) with production capacity of 2333.33 Kg/day with a validity period up to 31.05.2023.

c. The industry has obtained CFO Amendment order dt:09.06.2022 with regard to quantities of Products and By-products in TPA along with TPD and changes in Hazardous waste details and Schedule-B conditions.

d. Subsequently, the industry obtained CFO (Auto renewal) vide Order No: 20092252704 Dt : 03.05.2023 valid upto 31.05.2028.

e. Recently, the industry has obtained CFO (Expansion) order dated 10.09.2024 with valid period upto 31.05.2028.

f. The industry has provided Zero Liquid Discharge (ZLD) system for treatment of effluents consisting of Stripper (1x60 KLD + 1x100 KLD), Multiple Effect Evaporator (MEE) (1x80 KLD & 1x50 KLD), Agitated Thin Film Drier (ATFD) (1x12 KLD, 1x18 KLD), Biological ETP of capacity 300 KLD followed by Reverse Osmosis Plant-I&II (1 x 150 KL, 1 x 200 KLD) and Polishing RO System of capacity 150 KLD.

   The RO permeate is used for utilities and RO rejects is sent back to MEE for evaporation. The ATFD salts are sent to TSDF for disposal.

g. The industry has provided storm water drains & constructed below ground level 1 x 25.0 KL and 2 x 230.0 KL first cut rain water collection tanks for collection of first cut contaminated rain water. The collected rain water is treated along with the LTDS and used for utilities.

h. The industry has provided digital flow meters at HTDS and LTDS lines with IP Camera and connected to TGPCB server.

i. The industry has provided separate closed sheds for storage of hazardous waste.

j. During inspection, the log books of ZLD system including MEE and Biological ETP were verified and the details are submitted as follows:

   a) The industry has generated HTDS effluents of about 1133 KL, RO rejects of 291.3 KL, LTDS effluents of about 2771 KL, First run off Rain water of about 1372 KL in the month of July'2023 and generated HTDS effluents of about 1129 KL, RO rejects of 344.5 KLD, LTDS effluents of about 2906 KL, First run off Rain water of about 160 KL in the month of August'2023.

   b) The industry has treated HTDS effluents along with RO rejects of about 1468.6 KL in MEE system and treated LTDS effluents along with First run off Rain water of about 3657 KL in Biological ETP in the month of July'2023 and treated HTDS effluents along with RO rejects of about 1610 KL in MEE system and treated LTDS effluents along with First run off Rain water of about 4590 KL in Biological ETP in the month of August'2023.

   c) As per the log sheets, the ZLD system was operated regularly. The MEE plant of the industry was stopped on 04.07.2023, 24.07.2023, 18.08.2023, 19.08.2023 (A & B Shifts) and 31.08.2023 for maintenance purpose.

d) As per the production records verified, the industry has manufactured only one product i.e., Lamivudine - 66.53 Tons in July'2023 and 70.07 Tons in Aug'2023 against consented capacity of 70.99 Tons.

Copies of Log sheets and day wise compiled data are enclosed **(ANNEXURE – I).**

e) As per the log sheets of effluent generation and treatment, it is observed that the ZLD system was operated regularly.

ii. Metrochem API Pvt Ltd., Unit – C (Formerly M/s Sigachi Laboratories Ltd.,) :

a. The industry is located in Sy. No. 42, Alinagar, Chetlapotharam (V), Gaddapotharam (GP), Jinnaram Mandal, Sangareddy District.

b. The Board has issued CFO order Dt: 23.02.2016 to the industry to manufacture 6 No's of Bulk drugs with individual quantities (to manufacture either product mix-I (or) product mix-II at a time) with a validity period up to 30.11.2020.

c. Subsequently the industry has obtained Auto Renewal of CFO & HWA order dt 16.11.2020 valid upto 30.11.2025.

d. The industry has obtained CFO (Expansion) order dated 24.07.2024 for installation of additional boiler with validity upto 31.03.2026.

e. The industry has provided separate above ground level MS storage tanks of capacity 4 X 40 KL for storage of HTDS effluents and above ground level MS storage tank of capacity 25 KL for storage of LTDS effluents.

The industry has provided MEE system of 50 KLD capacity (Stripper, MEE & ATFD) for treatment of HTDS effluents.

The industry is sending LTDS effluents along with MEE and ATFD condensate to M/s PETL (CETP).

f. The industry has provided below ground level sump of capacity 400 KL for collection of first run off rain water.

g. During inspection, the log books of MEE system and LTDS effluents, which are being lifted to PETL were verified and the details are submitted as follows:

a) The industry has generated HTDS effluents of about 210.4 KL, LTDS effluents of about 311.2 KL, First run off Rain water of about 510 KL in the month of July'2023 and generated HTDS effluents of about 210.5 KL, LTDS effluents of about 313.5 KL, First run off Rain water of about 860 KL in the month of August'2023.

b) The industry has treated HTDS effluents of about 210.4 KL in MEE system and sent LTDS effluents of about 320.1 KL to M/s PETL (Common Effluent Treatment Plant) in the month of July'2023 and treated HTDS effluents of about 210.5 KL in MEE system and sent LTDS effluents of about 320.1 KL to M/s PETL (Common Effluent Treatment Plant) in the month of August'2023. The industry has disposed First run off Rain water of about 510 KL in the month of July'2023 and about 860 KL in the month of Aug'2023 to M/s PETL (Common Effluent Treatment Plant).

c) As per the production records verified, the industry has manufactured 5.587 TPM in July'2023 and 5.589 TPM in Aug'2023 as against consented capacity of 5.88 TPM.

d) Copies of Log sheets and day wise compiled data are enclosed **(ANNEXURE – II).**

e) As per the log sheets of effluent generation and treatment, it is observed that the effluent treatment system was operated regularly and functioning on the relevant date.

iii. M/s. Standard Glass Lining Technology Pvt Ltd.:-

a. The industry is located in Sy. No. 42A, Alinagar H/o Chetlapotharam Village, Gaddapotharam Gram Panchayath, Jinnaram Mandal, Sangareddy District.

b. The Board issued Consent for Operation (CFO) to the industry for the period valid upto 04.08.2022 for manufacturing of Glass Lined Reactors & it's spare parts – 400 No's / year for the period valid up to 31.07.2032.

c. The industry generates domestic wastewater of about 6.4 KLD. The industry has provided Sewage Treatment Plant (STP) of capacity 25 KLD for treatment of domestic effluents.

d. The STP consists of below ground RCC collection tank (50 KL), Above ground Aeration tanks I&II and multi grade filters (sand filter & activated carbon filter), after treatment, the treated water is using for on land gardening.

e. During inspection, the log books of STP were verified and the details are submitted as follows:

a) The industry has generated Domestic effluents of about 5.12 KLD (Avg.) in July'2023 & about 5.03 KLD (Avg.) in August'2023 and generated treated effluents of about 4.11 KLD (Avg.) in July'2023 & about 4.36 KLD (Avg.) in Aug'2023 and the treated effluents are disposed to on-land plantation within the premises. Copies of Log sheets and day wise compiled data are enclosed **(ANNEXURE – III).**

b) As per the log sheets of effluent generation and treatment, it is observed that the STP was operated regularly and functioning on the relevant date.

It is to submit that during earlier inspection of Bamana Cheruvu by the Board officials on 24.07.2023 and 27.07.2023, no fish death was observed in Bamana Cheruvu. No discharge of effluents was observed from the industries.

The District Fisheries Officer, Sangareddy District vide letter dt:13.10.2023 informed that no specific complaints regarding the death of fish in Bamana Cheruvu of Alinagar, Gaddapotharam village, Jinnaram Mandal was received during the period from October, 2022 to September, 2023.

In compliance with the orders of the Hon'ble NGT, the log books of ETPs operated by the industries located in upstream were verified. It was observed that the effluent treatment plants of the industries were operated regularly in July'2023 & Agust'2023.

It is to submit that the Board will regularly monitor the above industries to ensure their compliance with the conditions / directions issued by the Board.

Submitted.

Place: R.C PURAM

Date: 03.02.2025

03.02.2025

ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER
T.G. Pollution Control Board
Regional Office, R.C.Puram,
Sangareddy Dist. 502 032

ANNEXURE-I

Effluent Generation Details for the Month July - 2023							
Date	High TDS Effluent (KL)			Low TDS Effluent (KL)			RO Reject
	FM Initial	FM Final	FM Defference (KLD)	FM Initial	FM Final	FM Defference (KLD)	(KLD)
01-Jul-23	16756.0	16796.0	40.0	45285.0	45345.0	60.0	12.1
02-Jul-23	16796.0	16835.0	39.0	45345.0	45400.0	55.0	8.0
03-Jul-23	16835.0	16876.0	41.0	45400.0	45461.0	61.0	8.7
04-Jul-23	16876.0	16914.0	38.0	45461.0	45532.0	71.0	0.0
05-Jul-23	16914.0	16953.0	39.0	45532.0	45625.0	93.0	19.4
06-Jul-23	16953.0	16994.0	41.0	45625.0	45740.0	115.0	14.4
07-Jul-23	16994.0	17033.0	39.0	45740.0	45825.0	85.0	11.3
08-Jul-23	17033.0	17073.0	40.0	45825.0	45928.0	103.0	10.0
09-Jul-23	17073.0	17107.0	34.0	45928.0	46026.0	98.0	13.3
10-Jul-23	17107.0	17148.0	41.0	46026.0	46125.0	99.0	13.2
11-Jul-23	17148.0	17189.0	41.0	46125.0	46230.0	105.0	9.0
12-Jul-23	17189.0	17230.0	41.0	46230.0	46333.0	103.0	11.7
13-Jul-23	17230.0	17269.0	39.0	46333.0	46423.0	90.0	13.5
14-Jul-23	17269.0	17306.0	37.0	46423.0	46510.0	87.0	11.1
15-Jul-23	17306.0	17331.0	25.0	46510.0	46600.0	90.0	11.3
16-Jul-23	17331.0	17369.0	38.0	46600.0	46685.0	85.0	10.0
17-Jul-23	17369.0	17401.0	32.0	46685.0	46773.0	88.0	6.4
18-Jul-23	17401.0	17436.0	35.0	46773.0	46866.0	93.0	11.5
19-Jul-23	17436.0	17467.0	31.0	46866.0	46950.0	84.0	12.0
20-Jul-23	17467.0	17490.0	23.0	46950.0	47065.0	115.0	9.5
21-Jul-23	17490.0	17521.0	31.0	47065.0	47122.0	57.0	13.5
22-Jul-23	17521.0	17555.0	34.0	47122.0	47211.0	89.0	6.5
23-Jul-23	17555.0	17595.0	40.0	47211.0	47296.0	85.0	8.5
24-Jul-23	17595.0	17635.0	40.0	47296.0	47377.0	81.0	0.0
25-Jul-23	17635.0	17670.0	35.0	47377.0	47485.0	108.0	2.0

Tianish Laboratories Private Limited,Unit-2

BIOLOGICAL TREATMENT PLANT OPERATION DETAILS JUL - 2023

Date	Total Running Hours	AERATION TANK-1 FEED Qty KLD			AERATION TANK-1A FEED Qty KLD			Total Feed(KLD)
		FM. In	FM. Fi	FM. Diff	FM. In	FM. Fi	FM. Diff	
01.07.23	24	94705	94710	5.0	37510	37619.0	109.0	114.0
02.07.23	24	94710	94710	0.0	37619	37730.0	111.0	111.0
03.07.23	24	94710	94710	0.0	37730	37844.0	114.0	114.0
04.07.23	24	94710	94751	41.0	37844	37919.0	75.0	116.0
05.07.23	24	94751	94840	89.0	37919	37951.0	32.0	121.0
06.07.23	24	94840	94935	95.0	37951	37976.0	25.0	120.0
07.07.23	24	94935	95029	94.0	37976	38000.0	24.0	118.0
08.07.23	24	95029	95119	90.0	38000	38041.0	41.0	131.0
09.07.23	24	95119	95227	108.0	38041	38059.0	18.0	126.0
10.07.23	24	95227	95337	110.0	38059	38063.0	4.0	114.0
11.07.23	24	95337	95446	109.0	38063	38072.0	9.0	118.0
12.07.23	24	95446	95553	107.0	38072	38093.0	21.0	128.0
13.07.23	24	95553	95661	108.0	38093	38093.0	0.0	108.0
14.07.23	24	95661	95767	106.0	38093	38098.0	5.0	111.0
15.07.23	24	95767	95873	106.0	38098	38118.0	20.0	126.0
16.07.23	24	95873	95981	108.0	38118	38124.0	6.0	114.0
17.07.23	24	95981	96082	101.0	38124	38133.0	9.0	110.0
18.07.23	24	96082	96184	102.0	38133	38149.0	16.0	118.0
19.07.23	24	96184	96273	89.0	38149	38164.0	15.0	104.0
20.07.23	24	96273	96378	105.0	38164	38171.0	7.0	112.0
21.07.23	24	96378	96483	105.0	38171	38180.0	9.0	114.0
22.07.23	24	96483	96591	108.0	38180	38200.0	20.0	128.0
23.07.23	24	96591	96695	104.0	38200	38216.0	16.0	120.0
24.07.23	24	96695	96787	92.0	38216	38216.0	0.0	92.0
25.07.23	24	96787	96879	92.0	38216	38234.0	18.0	110.0
26.07.23	24	96879	96974	95.0	38234	38275.0	41.0	136.0
27.07.23	24	96974	97078	104.0	38275	38294.0	19.0	123.0
28.07.23	24	97078	97176	98.0	38294	38307.0	13.0	111.0
29.07.23	24	97176	97272	96.0	38307	38337.0	30.0	126.0
30.07.23	24	97272	97366	94.0	38337	38375.0	38.0	132.0
31.07.23	24	97366	97462	96.0	38375	38410.0	35.0	131.0
				2757.0			900.0	3657.0

Stripper & MEE Operation details for Jul-2023

Date	Stripper Feed			Stripper Bottom	RO reject to New MEE Feed			Total New MEE Feed	RO reject to Old MEE Feed			Old MEE Feed	Remarks
	FM . In	FM. Fi	FM. Diff. Qty. KLD	KLD	FM . In	FM. Fi	FM. Diff. Qty. KLD	KLD	FM . In	FM. Fi	FM. Diff. Qty. KLD	KLD	
01.07.23	60745.2	60802.2	57.0	48.5	14363.1	14375.2	12.1	60.6	52479.4	52479.4	0.0	0.0	
02.07.23	60802.2	60824.2	22.0	18.0	14375.2	14383.2	8.0	26.0	52479.4	52479.4	0.0	0.0	
03.07.23	60824.2	60860.8	36.6	31.8	14383.2	14391.9	8.7	40.5	52479.4	52479.4	0.0	0.0	
04.07.23	60860.8	60860.8	0.0	0.0	14391.9	14391.9	0.0	0.0	52479.4	52479.4	0.0	0.0	Plant Stopped due to Boiler Shut down &
05.07.23	60860.8	60914.8	54.0	45.0	14391.9	14411.3	19.4	64.4	52479.4	52479.4	0.0	0.0	
06.07.23	60914.8	60970.9	56.1	47.9	14411.3	14425.7	14.4	62.3	52479.4	52479.4	0.0	0.0	
07.07.23	60970.9	61026.9	56.0	47.2	14425.7	14437.0	11.3	58.5	52479.4	52479.4	0.0	0.0	
08.07.23	61026.9	61080.9	54.0	45.0	14437.0	14447.0	10.0	55.0	52479.4	52479.4	0.0	0.0	
09.07.23	61080.9	61135.0	54.1	45.6	14447.0	14460.3	13.3	58.9	52479.4	52479.4	0.0	0.0	
10.07.23	61135.0	61190.0	55.0	46.2	14460.3	14473.5	13.2	59.4	52479.4	52479.4	0.0	0.0	
11.07.23	61190.0	61244.0	54.0	45.6	14473.5	14482.5	9.0	54.6	52479.4	52479.4	0.0	0.0	

27.07.23	61934.0	61987.5	**53.5**	45.6	14619.5	14627.6	8.1	**53.7**	52479.4	52479.4	0.0	0.0	
28.07.23	61987.5	62037.7	**50.2**	41.6	14627.6	14633.7	6.1	**47.7**	52479.4	52479.4	0.0	0.0	
29.07.23	62037.7	62089.7	**52.0**	43.4	14633.7	14641.5	7.8	**51.2**	52479.4	52479.4	0.0	0.0	
30.07.23	62089.7	62140.7	**51.0**	42.6	14641.5	14648.4	6.9	**49.5**	52479.4	52479.4	0.0	0.0	
31.07.23	62140.7	62190.2	**49.5**	40.7	14648.4	14657.9	9.5	**50.2**	52479.4	52479.4	0.0	0.0	
			1409.0	1177.3			291.3	1468.6			0.0	0.0	
			45.5	38.0			9.4	**47.4**			0.0	0.0	

Tianish Laboratories Pvt Ltd Unit-2					
Rian water Treated details - July'2023					
Date	First run off rain water	First run off Rain water treatment			
		FM Initital(KL)	FM Final(KL)	Total (KL)	Remarks
01.07.2023	50	10979	11029	50	
02.07.2023	298	11029	11129	100	
03.07.2023	-	11129	11249	120	
04.07.2023	75	11249	11329	80	
05.07.2023	-	11329	11399	70	
06.07.2023	-	11399	11399	0	
07.07.2023	45	11399	11444	45	
08.07.2023	50	11444	11494	50	
09.07.2023	-	11494	11494	0	
10.07.2023	70	11494	11564	70	
11.07.2023	80	11564	11644	80	
12.07.2023	13	11644	11644	0	
13.07.2023	13	11644	11644	0	
14.07.2023	-	11644	11644	0	
15.07.2023	125	11644	11694	50	
16.07.2023	-	11694	11795	101	
17.07.2023	80	11795	11875	80	
18.07.2023	93	11875	11975	100	
19.07.2023	130	11975	12101	126	
20.07.2023	-	12101	12101	0	
21.07.2023	-	12101	12101	0	
22.07.2023	50	12101	12101	0	
23.07.2023	40	12101	12101	0	
24.07.2023	-	12101	12191	90	
25.07.2023	-	12191	12191	0	
26.07.2023	-	12191	12191	0	
27.07.2023	-	12191	12191	0	
28.07.2023	40	12191	12191	0	
29.07.2023	-	12191	12231	40	
30.07.2023	120	12231	12291	60	
31.07.2023	-	12291	12351	60	
	1372		Total	1372	

HTDS & LTDS EFFLUENT GENERATION DETAILS

DATE	HTDS Effluent (KLD)			Low TDS Effluent (KLD)		
	FM Initial	FM Final	FM Difference	FM Initial	FM Final	FM Difference
01/07/23	16756.0	16796.0	40.0	45285.0	45345.0	60.0
02.07.23	16796.0	16835.0	39.0	45345.0	45400.0	55.0
03.07.23	16835.0	16876.0	41.0	45400.0	45461.0	61.0
04.07.23	16876.0	16914.0	38.0	45461.0	45532.0	71.0
05.07.23	16914.0	16953.0	39.0	45432.0	45625.0	93.0
06.07.23	16953.0	16994.0	41.0	45625.0	45740.0	115.0
07.07.23	16994.0	17033.0	39.0	45740.0	45825.0	85.0
08.07.23	17033.0	17073.0	40.0	45825.0	45928.0	103.0
09.07.23	17073.0	17107.0	34.0	45928.0	46026.0	98.0
10.07.23	17107.0	17148.0	41.0	46026.0	46125.0	99.0
11.07.23	17148.0	17189.0	41.0	46125.0	46230.0	105.0
12.07.23	17189.0	17230.0	41.0	46230.0	46333.0	103.0
13.07.23	17230.0	17269.0	39.0	46333.0	46423.0	90.0
14.07.23	17269.0	17306.0	37.0	46423.0	46510.0	87.0
15.07.23	17306.0	17331.0	25.0	46510.0	46600.0	90.0
16.07.23	17331.0	17369.0	38.0	46600.0	46685.0	85.0
17.07.23	17369.0	17401.0	32.0	46685.0	46773.0	88.0
18.07.23	17401.0	17436.0	35.0	46773.0	46866.0	93.0
19.07.23	17436.0	17467.0	31.0	46866.0	46950.0	84.0
20.07.23	17467.0	17490.0	23.0	46950.0	47065.0	115.0
21.07.23	17490.0	17521.0	31.0	47065.0	47122.0	57.0
22.07.23	17521.0	17555.0	34.0	47122.0	47211.0	89.0
23.07.23	17555.0	17595.0	40.0	47211.0	47296.0	85.0
24.07.23	17595.0	17635.0	40.0	47296.0	47377.0	81.0
25.07.23	17685.0	17670.0	35.0	47377.0	47485.0	108.0
26.07.23	17670.0	17708.0	38.0	47485.0	47610.0	125.0
27.07.23	17708.0	17745.0	37.0	47610.0	47700.0	90.0
28.07.23	17745.0	17780.0	35.0	47700.0	47780.0	80.0
29.07.23	17780.0	17820.0	40.0	47780.0	47877.0	97.0
30.07.23	17820.0	17858.0	38.0	47877.0	47950.0	73.0
31.07.23	17858.0	17889.0	31.0	47950.0	48056.0	106.0
TOTAL (KLD)						

Rain water treated details - July 2023

Date	First run off rain water collection in KL	First run of Rain Water treatment			
		FM Initial (KL)	FM Initial (KL)	Total (KL)	Remarks
01.07.23	50	10979	11029	50	
02.07.23	298	11029	11129	100	
03.07.23	-	11129	11249	120	
04.07.23	75	11249	11329	80	
05.07.23	-	11329	11399	70	
06.07.23	-	11399	11399	0	
07.07.23	45	11399	11444	45	
08.07.23	50	11444	11494	50	
09.07.23	-	11494	11494	0	
10.07.23	70	11494	11564	70	
11.07.23	80	11564	11644	80	
12.07.23	13	11644	11644	0	
13.07.23	13	11644	11644	0	
14.07.23	-	11644	11644	0	
15.07.23	125	11644	11694	50	
16.07.23	-	11694	11795	101	
17.07.23	80	11795	11875	80	
18.07.23	93	11875	11975	100	
19.07.23	130	11975	12101	126	
20.07.23	-	12101	12101	0	
21.07.23	-	12101	12101	0	
22.07.23	50	12101	12101	0	
23.07.23	40	12101	12101	0	
24.07.23	-	12101	12191	90	
25.07.23	-	12191	12191	0	
26.07.23	-	12191	12191	0	
27.07.23	-	12191	12191	0	
28.07.23	40	12191	12191	0	
29.07.23	-	12191	12231	40	
30.07.23	120	12231	12291	60	
31.07.23	-	12291	12351	60	
	1372		Total	1372	KL

MYLAN LABORATORIES UNIT-2														
MANUFACTURING PRODUCTION DETAILS - CY'2023 IN TONS														
Name of the Product	Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Product wise TPA	As per Consented Qty. (TPA)
Nevirapine	0	0	0	0	0	0	0	0	0	0	0	0	0.00	12.00
Lamivudine	68.96	70.25	65.17	68.04	66.09	61.51	66.53	70.07	47.75	64.68	67.92	62.44	779.42	824.40
Emtricitabine	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.60
Fluindone	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.60
Validation Products	0	0	0	0	0	0	0	0	0	0	0	0	0.00	2.40
Total	68.96	70.25	65.17	68.04	66.09	61.51	66.53	70.07	47.75	64.68	67.92	62.44	779.42	840.00

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 01.07.23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	20	30	✓	–	–	✓	–	–	7	32	39	20	1.0	42	✓	–	54	✓	–	–	✓	–	54	✓	–	–		
B	18.7	30 Kgs	✓	–	–	✓	–	–	22.0	15.0	37.0	20 Kg	2.0	32	✓	–	5M	✓	–	–	✓	–	5M	✓	–	–		
C	15	30M	✓	–	–	✓	–	–	04	26	30	20	1.0	40	✓	–	5H	✓	–	–	✓	–	5H	✓	–	–		
Total	56.7	90	–	–	–	✓	–	–	33	76	115	30	4.0	114	–	–	15	–		–			15	✓	–	–		

Power Readings : Initial - 3550 Final - 3609

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 02/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ etc)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Lime)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No					Yes	No			
A	10	20Kg	✓	-	-	✓	-	-	12	25.0	37.0	20Kg	2.0	35	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	16	30	✓	-	-	✓	-	-	6	25	31	20	1.0	86	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
C	19	30	✓	-	-	✓	-	-	04	26	30	30	1.0	100	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
Total	45	80	✓	-	-	✓	-	-	22	76	98	70	3.0	191	-	-	15Hr	-	-		-		15Hr	✓	-	-		

Power Readings : Initial - 3609. Final - 3631

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 03/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Lime~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~lime~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L)/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.6	30Kg	✓	-	-	✓	-	-	20.0	17.0	37.0	20Kg	2.0	38	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	18	30	✓	-	-	✓	-	1.0	5	20	25	20	1.0	40	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
C	-	-	✓	-	-	✓	-	-	7	25	32	20Kg	-	35	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
Total	36.6	-	✓	-	-	✓	-	1.0	32	62	94	80Kg	3.0	113	-	-	15Hr	-	-	-	-	-	15	-	-	-		

Power Readings : Initial - 3631 Final - 3660

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 04/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	—	Soy	✓	—	—	✓	—	—	10	22	32	106	1.0	40	✓	—	5K	✓	—	—	✓	—	5K	✓	—	—		
B	—	—	✓	—	—	✓	—	—	17	23	40	2010	2.0	36	✓	—	5M	✓	—	—	✓	—	5M	✓	—	—		
C	—	—	✓	—	—	✓	—	—	2	25	27	20	2.0	40	✓	—	5K	✓	—	—	✓	—	5K	✓	—	—		
Total									296	70	98	304	3.0	116			15	✓	—	—	✓	—	15	—		—	—	

Power Readings : Initial - 3660 Final - 3776

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 05/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30Kg	✓	-	-	✓	-	-	11	26	36	30Kg	1.0	46	✓	-	56	✓	-	-	✓	-	56	✓	-	-		
B	18.0	30Kgs	✓	-	-	✓	-	1.0	20.0	13.0	33.0	30Kgs	2.0	28.0	✓	-	51	✓	-	-	✓	-	51	✓	-	-		
C	18	30Kgs	✓	-	-	✓	-	-	7	32	39	20Kgs	1.0	47	✓	-	54	✓	-	-	✓	-	54	✓	-	-		
Total	55	90	-		-		-	1.00	38	71	109	70kg	3.0	121	-		15		-		-		15	-	-	-	-	

Power Readings : Initial - 3676 Final - ~~3705~~ 3705

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 06/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30	✓	–	–	✓	–	–	10	20	30	20	1.0	40	✓	–	5h	✓	–	–	✓	–	5h	✓	–	–		
B	19	34	✓	–	–	✓	–	1.0	06	26	32	34	1.0	46	✓	–	5h	✓	–	–	✓	–	5h	✓	–	–		
C	17.7	2030	✓	–	–	✓	–	–	5.0	16.0	21.0	2010	2.0	34	✓	–	5h	✓	–	–	✓	–	5h	✓	–	–		
Total	54.7	80	✓	–	–	✓	✓	1.0	21	62	83	78	4.0	120	✓	–	15	✓	–	–	✓	–	15	✓	–	–	–	

Power Readings : Initial - 3705 Final - 3738

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 07/07/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Lime)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Lime)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30	✓	—	—	✓	—	—	10	35	45	20	1.0	40	✓	—	✓	✓	—	—	✓	—	✓	✓	—	—	—	
B	19	30	✓	—	—	✓	—	—	06	26	32	30kg	1.0	46	✓	—	✓	✓	—	—	✓	—	✓	✓	—	—	—	
C	19.3	30kg	✓	—	—	✓	—	—	8.0	13.0	21.0	20kg	2.0	32	✓	—	✓	✓	—	—	✓	—	✓	✓	—	—	—	
Total	56.3	90	✓	—	—	✓	—	—	24	74	98	70	4.0	118	✓	—	15	✓	—	—	✓	—	15	✓	—	—	—	

Power Readings : Initial - 3738 Final - 3760.

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 08.07.23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	20	✓	–	–	✓	–	–	10	20	30	20	2	45	✓	–	05	✓	–	05	✓	–	05	✓	–	05	Mohy	
B	18	20	✓	–	–	✓	–	–	5	20	25	20	1.5	40	✓	–	5	✓	–	5	✓	–	–	✓	–	5		
C	19	20	✓	–	–	✓	–	–	04	26	30	20	2	46	✓	–	5K	✓	–	–	✓	–	5K	✓	–	–		
Total	55	60	✓	–	–	✓	–	–	19	66	85	60	4.0	131	✓	–	15	✓	–	10	✓	–	10	✓	–	–	–	

Power Readings : Initial - 3760 Final - 3790

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 09/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	188	30Kgs	✓	-	-	✓	-	-	10.0	23.0	33.0	30Kgs	2.0	40.0	✓	-	5Ltr	✓	-	-	✓	-	5Ltr	✓	-	-		
B	18	30	✓	-	-	✓	-	-	5	25	30	20	1.0	40	✓	-	5L	✓	-	-	✓	-	5L	✓	-	-		
C	19	30Kg	✓	-	-	✓	-	-	04	25	29	30	1.0	46	✓	-	5Lt	✓	-	-	✓	-	5Lt	✓	-	-		
Total	55.8	80	✓	-	-	✓	-	-	19	73	92	80	4.0	126	✓	-	15	✓	-	-	✓	-	15	✓	-	-		

Power Readings : Initial - 3790 Final - 3820

Verified by:

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 10/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Lye)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Lye)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.7	30Kgs	✓	—	—	✓	—	—	16.0	24.0	40.0	20Kgs	2.0	36	✓	—	5HP	✓	—	—	✓	—	5HP	✓	—	—		
B	88	20	✓	—	—	✓	—	—	5	25	30	20	1.0	36	✓	—	5H	✓	—	—	✓	—	5H	✓	—	—		
C	18	30	✓	—	—	✓	—	—	7	28	35	30	2.0	42	✓	—	5H	✓	—	—	✓	—	5H	✓	—	—		
Total	54.7	90	✓	—	—	✓	—	—	28	77	105	90	5.0	114	✓	—	15	✓	—	—	✓	—	15	✓	—	—	—	

Power Readings : Initial - 3820 Final - 3852

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 11/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier					E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 30 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30kg	✓	-	-	✓	-	-	12	26	38	30kg	1.0	46	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
B	17.8	30kg	✓	-	-	✓	-	-	10.0	23.0	33.0	20kg	1.0	36.0	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
C	18	30	✓	-	-	✓	-	-	5	23	28	20	1.0	36	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
Total	54.8	90	✓	-	-	✓	-	-	27	69	96	70	4.0	118	✓	-	15	✓	-	-	✓	-	15	✓	-	-		

Power Readings : Initial - 3852 Final - 3872

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 12/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30kg	✓	–	–	✓	–	–	11	26	37	30kg	1.0	46	✓	–	5KL	✓	–	–	✓	–	5KL	✓	–	–		
B	16	20kg	✓	–	–	✓	–	–	18.0	18	36.0	30kg	2.0	36.	✓	–	5KL	✓	–	–	✓	–	5KL	✓	–	–		
C	17	30	✓	–	–	✓	–	–	7	32	39	30	–	46	✓	–	5KL	✓	–	–	✓	–	5KL	✓	–	–		
Total	52	80	✓	–	–	✓	–	–	16	76	92	90	3.0	128	✓	–	15	✓	–	–	✓	–	15	✓	–	–		

Power Readings : Initial - 3871 Final - 3898.

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SOP/EHS/ENV/U02/GEN/002/08/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 13/07/23

Shift	E & N Tank High TDS effluent: Qty.of Effluent feed to Primary clarifier (KL/shift)	E & N Tank High TDS effluent: Qty.of Chemical used for Neutralization (NaOH/HCl)	Floating Mixer continuous running: Yes	Floating Mixer continuous running: No	Primary Clarifier: Qty.of Poly used (kg)	Primary Clarifier: Scrapper continuous running: Yes	Primary Clarifier: Scrapper continuous running: No	Primary Clarifier: Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift): Domestic	Low TDS	TOTAL	E & N Tank Low TDS effluent: Qty.of Chemical used for Neutralization (NaOH/HCl)	E & N Tank Low TDS effluent: Qty.of sludge wasted (K.L)	Aeration Tank-I: Feed Qty (K.L/shift)	Aeration Tank-I: Operation of 30 HP Aerators: Yes	Aeration Tank-I: Operation of 30 HP Aerators: No	Aeration Tank-I: Qty.of De-foamer used	Secondary Clarifier-I: Sludge recirculation to aeration tank continuous running: Yes	Secondary Clarifier-I: Sludge recirculation: No	Secondary Clarifier-I: Qty.of sludge wasted (K.L)	Aeration Tank-II: Operation of 20 HP Blower No.: Yes	Aeration Tank-II: Operation of 20 HP Blower No.: No	Aeration Tank-II: Qty.of De-foamer used	Secondary Clarifier-II: Sludge recirculation to aeration tank continuous running: Yes	Secondary Clarifier-II: Sludge recirculation: No	Secondary Clarifier-II: Qty.of sludge wasted (K.L)	Signature of operator / chemist	Remarks
A	19	80	✓	–	–	✓	–	–	8	25	33	20	1.0	36	✓	–	5L	✓	–	–	✓	–	5L	✓	–	–	[signature]	
B	19	80	✓	–	–	✓	–	–	9	25	34	20	1.0	36	✓	–	5L	✓	–	–	✓	–	5L	✓	–	–	[signature]	
C	17.4	30kgs	✓	–	–	✓	–	–	2.0	21.0	23.0	20kgs	2.0	36	✓	–	5Lit	✓	–	–	✓	–	5Lit	✓	–	–	[signature]	
Total	55.4	190	✓	–	–	✓	–	–	19	71	90	60	4.0	108	✓	–	15	✓	–	–	✓	–	15Lit	✓	–	–	–	

Power Readings : Initial - ~~3903~~ 3898. Final - 3927.

SOP/EHS/ENV/U02/CEN/002/05/FT-01

Verified by: [signature]

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 14/07/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Holy~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~Holy~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30	✓	—	—	✓	—		8	25	33	20	1.0	36	✓	—	5L	✓	—	—	✓	—	5L	✓	—	—		
B	19	30kg	✓	-	-	✓	-	-	06	30	36	30kg	1.0	42	✓	-	5L	✓	-	-	✓	-	5L	✓	-	-		
C	18.2	30kgs	✓	-	-	✓	-	-	23.0	16.0	39	30kgs	2.0	33.	✓	-	5 ML	✓	-	-	✓	-	5 ML	✓	-	-		
Total	55.2	90	✓	-	-	✓	-	-	37	71	106	80	4.0	75	✓	-	15	✓	-	-	✓	-	15	✓	-	-	—	

Power Readings : Initial - 3927 Final - 3955

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 15/7/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30	✓	—	—	✓	—	—	8	31	39	20	1.0	40	✓	—	54	✓	—	—	✓	—	54	✓	—	—		
B	18	80	✓	—	—	✓	—	—	9	30	39	20	1.0	40	✓	—	54	✓	—	—	✓	—	54	✓	—	—		
C	19	34	✓	—	—	✓	—	1.0	04	26	30	20	1.0	46	✓	—	54	✓	—	—	✓	—	54	✓	—	—		
Total	55	94	✓	✓	✓	✓	—	1.0	21	87	108	60	3.0	126	✓	—	15	✓	—	—	✓	—	15M	✓	—	—	—	

Power Readings : Initial - 3955 Final - 3982

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SOP/EHS/ENV/U02/GEN/002/08/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 16/07/2023.

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17.0	30Kg	✓	–	–	✓	–	–	15.0	24.0	39.0	20Kg	2.0	36	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
B	18	30	✓	–	–	✓	–	1.0	8	25	33	20	1.0	86	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
C	18	30	✓	–	–	✓	–	–	06	26	32	20	1.0	42	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
Total	53	90	✓	–	–	✓	–	1.0	29	75	104	60	4.0	114	✓	–	15Hr	✓	–	–	✓	–	15Hr	✓	–	–	–	

Power Readings : Initial - 3982 Final - 4012

Verified by

SOP/ETIS/ENV/U02/GEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 17/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.5	20kg	✓	-	-	✓	-	1.0	6.0	24.0	30.0	20kg	2.0	32	✓	-	5Kg	✓	-	-	✓	-	5Kg	✓	-	-		
B	18	30	✓	—	—	✓	—	1.0	10	31	41	20	2.0	42	✓	—	5Kg	✓	—	—	✓	—	5Kg	✓	—	—		
C	18	20	✓	—	-	✓	1.	-	15	22	37	20	4.0	38	✓	—	—	✓	—	—	✓	—	5	✓	—	—		
Total	54.5	80	✓	—	—	✓	—	2.0	31	77	101	60	5.0	110	✓	—	15Kg	✓	—	—	✓	—	15Kg	✓	—	—	—	

Power Readings : Initial - 4012 Final - 4040

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 18/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier				E & N Tank Low TDS effluent					Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/Hel)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/Hel)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-fonmer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30	✓	–	–	✓	–	–	10	26	36	30	1.0	46	✓	–	5H	✓	–	3H	✓	–	5H	✓	–	–		
B	19.4	30(8)	✓	–	–	✓	–	–	20.0	12.0	32.0	20(8)	2.0	32.	✓	–	5H	✓	–	–	✓	–	5H	✓	–	–		
C	18	30	✓	–	–	✓	–	–	6	20	26	30	1.0	40	✓	–	5H	✓	–	–	✓	–	5H	✓	–	–		
Total	56.4	90	✓	–	–	✓	–	–	36	40.	76	90	4.0	118	✓	–	15	✓	–	–	✓	–	15	✓	–	–		

Power Readings : Initial - 4040 Final - 4065

Verified by

SOP/EHS/ENV/U02/GEN/002/0N/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 19/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.4	30Kgs.	✓	-	-	✓	-	-	12.0	27.0	39	20Kgs	2.0	29	✓	-	5 Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	17.4	30Kgs	✓	-	-	✓	-	-	30.0	5.0	35.	20Kgs	2.0	30	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
C	18	30Kg	✓	-	-	✓	-	-	10	20	30	20Kg	2.0	45	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
Total	53.8	90	✓	-	-	✓	-	-	52	52	104	60	6.0	104	✓	-	15	✓	-	-	✓	-	15	✓	-	-	-	

Power Readings: Initial - 4065 Final - 4080

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 20/07/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	3.0	✓	-	—	✓	-	-	8	25	33	2.0	1.0	40	✓	-	h	✓	—	—	✓	-	h	✓	—	—	✓	
B	CR	3.0	✓	-	—	✓	—	-	9	25	34	2.0	1.0	40	✓	-	h	✓	—	—	✓	—	✓	✓	—	—	✓	
C	18.0	20 kg.	✓	-	-	✓	-	1.0	5.0	20.0	25.0	20 kg.	2.0	32.0	✓	-	5 Hr	✓	-	-	✓	-	5 Hr	✓	-	-	✓	
Total	54	8.0	✓	✓	—	✓	—	1.0	22	70	92	60	4.0	112	✓	—	10	✓	—	—	✓	—	5	—	—	—	—	

Power Readings : Initial - 4090 Final - 4190

Verified by

SOP/EHS/ENV/U03/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 21/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.2	20Kg	✓	-	-	✓	-	-	10.0	27.0	37.0	20Kg	2.0	32.0	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	16	20Kg	✓	-	-	✓	-	-	10	30	40	20Kg	2.0	..	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
C	17	20Kg	✓	-	-	✓	-	1.0	12	25	37	20Kg	2.0	-	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
Total	51.2	60	✓	-	-	✓	-	1.0	32	82	114	60	6.0	32	✓	-	15	✓	-	-	✓	-	15	✓	-	-	-	

Power Readings : Initial - 4140 Final - 4150

Verified by :

SOT/EHS/ENV/U02/GEN/002/03/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 22/7/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30	✓	–	–	✓	–	–	8	33	41	30	1.0	42	✓	–	5Kg	✓	–	–	✓	–	5Kg	✓	–	–	Kg	
B	18	30	✓	–	–	✓		–	5	25	30	30	1.0	40	✓	–	5Kg	✓	–	–	✓	–	5Kg	✓	–	–	✓	
C	19	30	✓	–	–	✓	–	–	04	26	30	30	1.0	46	✓	–	5Kg	✓	–	–	✓	–	–	✓	–	–	✓	
Total	54	90	✓	–	–	✓	–	–	17	84	101	90	3.0	128	✓	–	15	✓	–	–	✓	–	–	✓	–	–	–	

Power Readings : Initial - 4150 Final - 4169

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

35

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 23/07/2023.

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)?	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.0	30Kgs	✓		✓	–	–	1.0	10	20	30	30Kgs	2.0	36	✓	–	5Kg	✓	–	–	✓	–	5Kg	✓	–	–		
B	18	30	✓	–	–	✓	–	–	6	26	31	30	1.0	36	✓	–	5Kg	✓	–	–	✓	–	5Kg	✓	–	–		
C	17	30	✓	–	–	✓	–	–	04	26	30	30	1.0	48	✓	–	5Kg	✓	–	–	✓	–	5Kg	✓	–	–		
Total	53	150	✓	–	–	✓	–	1.0	20	72	91	90	4.0	120	✓	–	15	✓	–	–	✓	–	15	✓	–	–	–	

Power Readings : Initial - 4169 Final - 4200

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 24/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	—	30Kgs	✓	-	-	✓	-	-	23·0	22·0	45·0	20Kgs	2·0	32·0	✓	-	5KL	✓	-	-	✓	-	5KL	✓	-	-		
B	—	—	✓	—	—	✓	—	—	7	32	39	20	—	30	✓	-	5KL	✓	—	—	✓	—	5KL	✓	—	—		
C	—	—	✓	—	—	✓	—	—	5	25	30	30	1·0	30	✓	—	5KL	✓	—	—	✓	—	5KL	✓	—	—		
Total	—	30	✓	—	—	✓	—	—	35	79	114	70	3·0	92	✓	—	15	✓	—	—	—	—	15	✓	—	—	—	

Power Readings : Initial - 4206 Final - 4236

Verified by

SOP/EHS/ENV/1102/GEN/002/03/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 25/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	—		✓	-	-	✓	-	-	10	26	36	30kg	-	46	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	18·0	30kg	✓	-	-	✓	-	-	16·0	18·0	34·0	20kg	2·0	33	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
C	19·0	20kg	✓	-	-	✓	-	-	05·0	20·0	25·0	30kg	2·0	31	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
Total	31	50	✓	-	-	✓	-	-	31	64	95	80	4·0	110	✓	✓	15	✓	-	-	✓	-	15	✓	-	-	-	

Power Readings : Initial - 4236 Final - 4254

SOP/EHS/ENV/U02/GEN/002/03/FT-01

Verified by

38

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 26/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30kg	✓	-	-	✓	-	-	10	23	33	30kg	1.0	46	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
B	18	30kg	✓	-	-	✓	-	-	06	26	30	25kg	1.0	45	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
C	17	20	✓	-	-	✓	-	-	5	22	27	20	1.0	45	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
Total	54	80	✓	-	-	✓	-	-	21	71	92	70	3.0	136	✓	-	15	✓	-	-	✓	-	15	✓	-	-		

Power Readings : Initial - 4254 Final - 4282

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 27/07/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30kg	✓	–	–	✓	–	–	8	35	43	20	1.0	40	✓	–	5kg	✓	–	–	✓	–	2.5kg	✓	–	–	✓	–
B	16	30kg	✓	–	–	✓	–	–	12	20	32	10	2.0	42	✓	–	5kg	✓	–	–	✓	–	2kg	✓	–	–	✓	–
C	17	30kg	✓	–	–	✓	–	–	10	18	28	–	2.0	41	✓	–	11g	✓	–	–	✓	–	11g	✓	–	–	✓	–
Total	51	90	✓	–	–	✓	–	–	30	73	108	30	5.0	123	✓	–	–	–	–	–	✓	–	5kg	✓	–	–	–	–

Power Readings : Initial - 4282 Final - 4300

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by

40

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 28.7.23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17	30	✓	–	–	✓	–	–	9	25	34	20	1.0	40	✓	–	5L	✓	–	–	✓	–	–	✓	–	~~St~~		
B	17	30	✓	–	–	✓	–	–	8	26	31	20	1.0	40	✓	–	5L	✓	–	–	✓	–	–	✓	–	–		
C	18.2	30	✓	–	–	✓	–	–	15.0	20.0	35.0	30(3)	2.0	31	✓	–	5½	✓	–	–	✓	–	5½	✓	–	–		
Total	52.2	90	✓	–	–	✓	–	–	32	71	103	70	4.0	111	✓	–	15	✓	–	–	✓	–	5	✓	–	–	–	

Power Readings : Initial - 4300 Final - 4330

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 29.7.23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II				
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Signature of operator / chemist	Remarks
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	57	30	✓	—	—	✓	—	—	7	29	36	20	—	40	✓	—	5t	✓	—	—	✓	—	5t	✓	—	—	✓	
B	16	30	✓	—	—	✓	—	—	5	30	35	20	1t	20	✓	—	5t	✓	—	—	✓	—	5t	✓	—	—	✓	
C	18	30	✓	—	—	✓	—	—	06	26	32	34	—	46	✓	—	5t	✓	—	—	✓	—	5t	✓	—	—	✓	
Total	51	90	✓	—	—	✓	—	—	13	85	98	70	1-0	126	✓	✓	15	✓	—	—	✓	—	15	✓	—	—	—	

Power Readings : Initial - 4330 Final - 4353

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 30/07/2023

Shift	E & N Tank High TDS effluent: Qty.of Effluent feed to Primary clarifier (KL/shift)	E & N Tank High TDS effluent: Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running: Yes	Floating Mixer continuous running: No	Primary Clarifier: Qty.of Poly used (kg)	Primary Clarifier: Scrapper continuous running: Yes	Primary Clarifier: Scrapper continuous running: No	Primary Clarifier: Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift): Domestic	Low TDS	TOTAL	E & N Tank Low TDS effluent: Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	E & N Tank Low TDS effluent: Qty.of sludge wasted (K.L)	Aeration Tank-I: Feed Qty (K.L/shift)	Aeration Tank-I: Operation of 30 HP Aerators: Yes	Aeration Tank-I: Operation of 30 HP Aerators: No	Aeration Tank-I: Qty.of De-foamer used	Secondary Clarifier-I: Sludge recirculation to aeration tank continuous running: Yes	Secondary Clarifier-I: Sludge recirculation: No	Secondary Clarifier-I: Qty.of sludge wasted (K.L)	Aeration Tank-II: Operation of 20 HP Blower No.: Yes	Aeration Tank-II: Operation of 20 HP Blower No.: No	Aeration Tank-II: Qty.of De-foamer used	Secondary Clarifier-II: Sludge recirculation to aeration tank continuous running: Yes	Secondary Clarifier-II: Sludge recirculation: No	Secondary Clarifier-II: Qty.of sludge wasted (K.L)	Signature of operator / chemist	Remarks
A	18	30l	✓	-	-	✓	-	-	10	28	38	30 lea	-	46	✓	-	54	✓	-	-	✓	-	56	✓	-	-	[signature]	
B	16	30l	✓	-	-	✓	-	-	15	20	35	38	✓	46	✓	-	54	✓	-	-	✓	-	54	✓	-	-	[signature]	
C	16	30	✓	-	-	✓	-	-	13	25	38	20		40	✓	-	52	✓	-	-	✓	-	82	✓	-	-	[signature]	
Total	50	90	✓	-	-	✓	-	-	38	73	111	80l	-	132	✓	-	15	✓	-	-	✓	-	154	✓	-	-	-	

Power Readings: Initial - 4353 Final - 4380

Verified by [signature]

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 31/07/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier					E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hel)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hel)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	16.5	30Kgs	✓	-	-	✓	-	-	30.0	18.0	48.0	30Kgs	2.0	46	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	16.5	30Kgs	✓	-	-	✓	-	-	17.0	10.0	27.0	30Kgs	2.0	45	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
C	15	30Kgs	✓	-	-	✓	-	-	02	15	17	30Kgs	1.0	45	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
Total	48	90	✓	-	-	✓	-	-	49	43	92	90	7.0	131	✓	-	15	✓	-	-	-	-	15	-	-	-		

Power Readings : Initial - 4380

Final - 4408

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Dt: 01.07.23

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.3	3.2	3.3	3.2	3.3	3.2	3.3	3.2	3.5	3.4	3.6	3.5	3.7	3.5	3.6	3.7	3.8	4.0	3.5	3.8	3.4	3.6	3.8	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.8	1.8	2.2	2.5	2.7	2.7	2.7	2.6	2.8	2.9	2.6	2.5	2.7	2.7	2.8	2.8	2.8	2.6	2.5	2.8	2.8	2.6	2.8	2.8
3	Stripper Feed Rate	KL/Hr.	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.7	2.9	2.7	2.5	2.7	2.8	2.7	2.8	3.0	2.7	2.8	2.7	2.6	2.8	2.6	2.7	2.8	2.9	2.8	2.8	2.6	2.8	2.8	2.6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.2	2.2	2.3	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.5
10	MEE Vaccum	mmHg	606	620	610	600	610	620	610	620	607	609	607	608	604	608	602	607	610	620	605	610	600	605	610	605
11	ATFD Steam Pressure	Kg/Cm²	4.8	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.5	5.0	5.2	5.1	5.5	5.2	5.5	5.5	5.0	5.2	6.0	5.5	4.8	5.2	5.5	5.2
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.4	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.3	0.33	0.32	0.32	0.32	0.42	0.4	0.42	0.42	0.42	0.32	0.42
14	ATFD Salt	Kg/Hr	80	80	80	80	80	80	80	80	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	82.1	82.2	83.1	83.4	84.1	84.2	84.2	84.1	81.6	82.8	82.6	81.9	82.6	82.7	82.4	82.3	83.2	82.8	83.1	82.8	83.2	83.1	82.8	82.8
16	Stripper bottom	TT-2	92.1	91.2	91.2	91.2	92.2	91.5	92.1	91.9	91.2	90.9	91.7	90.8	92.8	91.9	91.6	91.7	91.2	92.1	91.8	92.2	92.2	93.0	92.2	93.1
17	Col - I Vapour temp	TT-3	87.1	87.2	87.8	88.1	88.2	88.2	88.4	88.0	90.7	91.0	91.3	90.9	91.7	90.6	88.7	90.6	90.2	91.2	90.9	90.2	90.2	91.2	90.6	91.2
18	Col - I Vaccum In mm Hg	VP-1	-115	-110	-120	-117	-112	-113	-112	-114	-129	-146	-142	-146	-132	-134	-136	-151	-150	-160	-140	-150	-145	-150	-160	-150
19	Col - II Vapour temp	TT-4	82.2	82.3	82.2	82.3	82.1	82.2	82.1	82.2	86.8	87.1	87.4	87.2	86.9	86.1	86.4	86.7	86.4	86.5	85.9	86.2	86.2	85.6	86.2	85.9
20	Col - II Vaccum In mm Hg	VP-2	-310	-311	-310	-312	-311	-314	-314	-316	-312	-320	-310	-314	-326	-319	-328	-365	-350	-360	-340	-360	-360	-350	-360	-360
21	Col - III vapor temp	TT-5	61.9	61.8	61.9	61.8	61.7	61.8	61.7	61.8	61.9	61.6	62.3	61.3	62.1	61.3	61.6	62.0	61.2	62.2	61.5	62.1	62.1	62.1	61.5	62.1
22	Col - III Vaccum In mm Hg	VP-3	-520	-530	-520	-538	-520	-530	-521	-533	-541	-528	-536	-540	-521	-544	-525	-529	-530	-550	-540	-550	-560	-550	-560	-560
23	CT -Inlet temp	TT-6	36.1	36.2	36.1	36.0	36.1	36.2	36.1	36.2	37.6	37.8	37.9	38.5	37.5	37.0	36.8	36.6	36.4	36.5	36.4	36.5	36.2	35.9	36.2	36.1
24	CT -outlet temp	TT-7	40.2	40.1	40.2	40.1	40.2	40.1	40.2	40.1	39.8	39.8	41.0	41.6	41.0	40.8	40.6	40.3	40.4	40.2	41.0	40.6	40.2	40.2	41.2	41.4
25	ATFD vapor temp	TT-8	82.1	82.2	82.5	82.2	82.2	82.4	82.6	82.3	82.9	83.4	83.2	83.2	82.3	82.4	82.6	83.2	83.1	84.1	83.2	84.1	83.2	83.2	83.1	83.2

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	60745.2	60767.2	17.0	60762.2	60783.4	18.7	60783.4	60802.2	18.8	
MEE Feed totaliser	14363.1	14367.1	4.0	14365.6	14370.3	4.7	14370.3	14375.2	4.9	
MEE condensate totaliser	21716	21730	14.0	21731.9	21749.0	17.1	21749.0	21766.0	17.0	C => ATFD Washing Qty
MEE concentrate totaliser	11186.1	11190.1	4.0	11100.1	11103.7	3.1	11103.7	11107.6	3.9	
Shift Incharge Sign										

Verified By

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Mylan

STRIPPER,MEE & ATFD LOG SHEET

Dt: 02/07/2023.

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3·5	3·3	3·5														3.4	3.5	3.6	3.4	3.5	3.6	3.4	3.5
2	Stripper Steam Pressure	Kg/Cm²	2·7	2·4	2·7														1.8	1.9	2·0	2·0	1.8	2·0	2·0	2·0
3	Stripper Feed Rate	KL/Hr	2·4	2·4	2·4														2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4
4	Stripper Distillate Qty.	KL/Hr	0·4	0·4	0·4														0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
5	MEE Steam Pressure	Kg/Cm²	2·9	2·7	2·9														2·6	2·8	2·7	2·8	2·6	2·7	2·8	2·8
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2·0	2·0	2·0														2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0·7	0·7	0·7														0·8	0·8	0·8	0·7	0·8	0·7	0·8	0·8
8	MEE Condensate	KL/Hr	2·3	2·3	2·3														2·3	2·4	2·3	2·3	2·4	2·3	2·4	2·3
9	MEE Concentrate	KL/Hr	0·4	0·4	0·4														0·5	0·4	0·5	0·4	0·4	0·4	0·4	0·5
10	MEE Vaccum	mmHg	607	609	603														605	610	600	610	605	60	600	60
11	ATFD Steam Pressure	Kg/Cm²	4·5	4·8	5·0														4·8	5·2	5·4	5·0	5·4	5·0	4·8	5·0
12	ATFD Feed Rate	KL/Hr	0·4	0·4	0·4														0·5	0·4	0·5	0·4	0·4	0·5	0·5	0·5
13	ATFD Condensate	KL/Hr	0·32	0·32	0·32														0·4	0·3	0·4	0·3	0·3	0·4	0·4	0·4
14	ATFD Salt	Kg/Hr	70	70	70														60	70	60	60	70	60	60	70
Temperature profile																										
15	Stripper top	TT-1	82·6	81·7	83·9														83·2	82·2	83·6	82·2	82·4	82·2	82·1	82·2
16	Stripper bottom	TT-2	92·1	93·2	92·6														93·2	92·1	95·1	92·8	95·1	92·2	95·1	92·2
17	Cal - I Vapour temp	TT-3	89·7	90·0	89·4														90·1	91·2	90·4	90·8	91·2	90·9	91·2	91·4
18	Cal - I Vaccum In mm Hg	VP-1	-129	-124	-126														-115	-120	-150	-120	-150	-120	-150	-120
19	Cal - II Vapour temp	TT-4	86·3	87·0	86·1														86·2	85·1	89·2	87·1	93·1	89·0	89·0	89·0
20	Cal - II Vaccum In mm Hg	VP-2	-324	-340	-336														-315	-320	-315	-320	-330	-320	-350	-350
21	Cal - III vapor temp	TT-5	61·7	61·2	62·0														60·1	61·9	62·2	61·9	62·0	61·9	62·1	61·8
22	Cal - III Vaccum In mm Hg	VP-3	-529	-536	-524														-550	-530	-530	-520	-530	-530	-530	-520
23	CT -inlet temp	TT-6	35·0	35·1	35·2														36·1	35·9	36·2	36·4	36·5	36·2	36·1	36·2
24	CT -outlet temp	TT-7	39·1	38·2	39·3														39·2	41·2	41·1	41·0	40·9	41·2	40·9	41·2
25	ATFD vapor temp	TT-8	83·6	82·5	83·1														81·2	82·1	81·8	82·1	81·8	82·1	80·9	81·1

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser							60802.2	60824.2	22.0	
MEE Feed totaliser							14375.2	14383.2	8.0	
MEE condensate totaliser							21766.0	21786.0	20.0	
MEE concentrate totaliser							11107.6	11111.6	4.0	
Shift incharge Sign										C => ATFD Weekly Gen

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

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Mylan

STRIPPER,MEE & ATFD LOG SHEET

Dt: 03/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.4	3.6	3.5	3.6	3.5	3.2	3.5	8.4	8.5	8.4	3.5	3.4	3.5										
2	Stripper Steam Pressure	Kg/Cm²	2.6	2.8	2.7	2.6	2.8	2.8	2.9	2.8	2.8	2.9	2.2	2.8	2.7	2.7										
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4										
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4										
5	MEE Steam Pressure	Kg/Cm²	2.5	2.4	2.6	2.8	2.8	3.1	3.0	2.7	2.5	2.6	2.1	2.6	2.7	2.7										
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0										
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7										
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3										
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4										
10	MEE Vaccum	mmHg	608	609	612	607	602	609	610	612	605	610	600	610	612	610										
11	ATFD Steam Pressure	Kg/Cm²	5.0	5.5	4.5	4.6	4.5	4.2	4.1	4.5	4.0	4.5	4.0	4.6	4.0	4.0										
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4										
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32										
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70										
Temperature profile																										
15	Stripper top	TT-1	93.0	82.9	82.6	82.7	82.9	82.4	82.8	83.7	85.3	85.4	85.5	85.4	85.3	84.1										
16	Stripper bottom	TT-2	92.7	92.9	92.3	92.8	92.4	92.8	93.9	92.6	92.0	92.1	73.0	93.2	93.4	94.0										
17	Col - I Vapour temp	TT-3	89.7	91.0	90.6	88.2	89.4	91.0	90.4	89.2	89.2	89.6	89.7	89.6	89.7	84.6										
18	Col - I Vaccum In mm Hg	VP-1	-142	-129	-136	-134	-136	-142	-138	-132	-130	-137	-138	-134	-137	-136										
19	Col - II Vapour temp	TT-4	87.0	86.9	86.2	84.2	86.4	86.9	86.2	84.9	85.0	84.5	84.7	84.7	84.6	84.7										
20	Col - II Vaccum In mm Hg	VP-2	-359	-348	-346	-349	-319	-326	-331	-340	-345	-340	-340	-345	-345	-347										
21	Col - III vapor temp	TT-5	82.1	61.7	61.2	61.0	62.2	61.9	61.4	62.3	62.5	62.6	62.7	62.5	62.7	62.8										
22	Col - III Vaccum In mm Hg	VP-3	-542	-538	-543	-552	-524	-529	-536	-528	-530	-528	-540	-530	-535	-526										
23	CT -Inlet temp	TT-6	36.3	36.4	36.6	36.7	36.9	37.4	37.8	38.7	38.2	38.0	38.2	38.1	38.2	38.1										
24	CT -outlet temp	TT-7	40.2	40.2	40.3	40.4	40.6	40.7	41.1	41.7	41.5	41.2	41.1	41.6	41.7	41.2										
25	ATFD vapor temp	TT-8	83.6	83.9	84.0	83.5	83.8	84.2	83.8	84.6	84.6	84.6	84.7	84.6	84.8	84.6										

SHIFT	A			B			C		
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total
Stripper Feed totaliser	60828.2	60846.8	18.6	60846.8	60860.8	14.0			
MEE Feed totaliser	14383.2	14388	5.8	14389	14391.9	3.9			
MEE condensate totaliser	21900.6	21919.0	18.4	21919.0	21923	13.9			
MEE concentrate totaliser	11111.6	11114.8	3.2	11114.8	11116.8	2.0			
Shift Incharge Sign									

Remarks

"B" Shift :- ATFD Running hrs

Verified By

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Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 04/07/2023

SL.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²																								
2	Stripper Steam Pressure	Kg/Cm²																								
3	Stripper Feed Rate	KL/Hr																								
4	Stripper Distillate Qty.	KL/Hr																								
5	MEE Steam Pressure	Kg/Cm²																								
6	MEE Feed Rate (Stripper Bottom)	KL/Hr																								
7	MEE Feed Rate (RO Rejects)	KL/Hr																								
8	MEE Condensate	KL/Hr																								
9	MEE Concentrate	KL/Hr																								
10	MEE Vacuum	KL/Hr																								
11	ATFD Steam Pressure	mmHg																								
12	ATFD Feed Rate	Kg/Cm²																								
13	ATFD Condensate	KL/Hr		Boiler Steam problem								Boiler Steam problem														
14	ATFD Salt	KL/Hr																								
Temperature profile		Kg/Hr																								
15	Stripper top	TT-1																								
16	Stripper bottom	TT-2																								
17	Col - I Vapour temp	TT-3																								
18	Col - I Vaccum In mm Hg	VP-1																								
19	Col - II Vapour temp	TT-4																								
20	Col - II Vaccum In mm Hg	VP-2																								
21	Col - III vapor temp	TT-5																								
22	Col - III Vaccum In mm Hg	VP-3																								
23	CT-Inlet temp	TT-6																								
24	CT-outlet temp	TT-7																								
25	ATFD vapor temp	TT-8																								

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	60860.8									A => Steam Stoped from Boiler, All plant Stoped Condition
MEE Feed totaliser	14831.9									
MEE condensate totaliser	21923.0									
MEE concentrate totaliser	11116.8									
Shift incharge Sign		[signature]			[signature]			[signature]		

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By [signature]

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 05/07/2023

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00
1	Steam on Header	Kg/Cm²	3.2	3.0	3.2	3.4	2.5	3.6	3.6	3.5	3.2	3.4	3.5	3.4
2	Stripper Steam Pressure	Kg/Cm²	2.8	2.0	1.8	2.0	2.0	2.2	1.8	2.0	2.3	2.4	2.8	2.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	2.6	3.0	3.0	3.2	3.0	2.8	2.8	2.9	3.1	3.1	3.0
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.4	2.3	2.3	2.3	2.3	2.2	2.4	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5
10	MEE Vaccum	mmHg	600	605	610	600	600	595	600	595	601	602	598	607
11	ATFD Steam Pressure	Kg/Cm²	4.8	5.0	4.8	5.0	5.0	4.8	5.0	4.8	4.8	5.2	5.5	5.2
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
13	ATFD Condensate	KL/Hr	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.42	0.42	0.42	0.42
14	ATFD Salt	Kg/Hr	60	60	70	70	70	70	70	70	70	70	70	70
	Temperature profile													
15	Stripper top	TT-1	83.0	81.2	82.3	83.1	84.1	83.6	84.1	83.6	82.9	83.0	82.6	83.6
16	Stripper bottom	TT-2	91.2	92.0	91.8	92.8	90.1	93.6	90.1	90.2	93.6	93.7	92.9	93.2
17	Col-I Vapour temp	TT-3	90.2	89.9	90.2	91.2	91.2	90.9	91.2	90.4	89.9	90.6	92.2	91.0
18	Col-I Vaccum In mm Hg	VP-1	-115	-120	-130	-120	-120	-115	-120	-115	-129	-116	-122	-121
19	Col-II Vapour temp	TT-4	86.2	85.6	86.1	85.9	86.0	85.9	86.1	85.9	86.1	87.2	87.9	86.7
20	Col-II Vaccum In mm Hg	VP-2	-315	-320	-310	-320	-310	-310	-320	-350	-361	-312	-321	-326
21	Col-III vapor temp	TT-5	66.2	64.2	63.0	62.0	61.2	62.1	61.8	62.1	61.2	61.7	62.6	60.7
22	Col-III Vaccum In mm Hg	VP-3	-500	-515	-530	-520	-530	-520	-530	-520	-526	-525	-529	-526
23	CT-Inlet temp	TT-6	35.6	35.4	35.2	35.6	35.4	36.6	34.8	35.1	38.4	38.6	38.4	37.6
24	CT-outlet temp	TT-7	39.2	40.2	41.2	40.9	41.2	40.9	41.2	40.9	41.7	41.9	41.7	39.3
25	ATFD vapor temp	TT-8	89.6	92.2	90.6	81.2	82.1	81.6	81.2	81.2	83.3	83.6	83.9	82.4

Sl.No	Time	Unit	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.2	3.4	3.5	3.4	3.3	3.4	3.3	3.4	3.2	3.3	3.2
2	Stripper Steam Pressure	Kg/Cm²	2.8	2.4	2.4	2.8	2.7	2.8	2.7	2.7	2.8	2.7	2.8	2.7
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.3	3.0	3.2	3.2	3.1	3.2	2.8	2.9	2.9	2.8	2.9	2.8
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
10	MEE Vaccum	mmHg	602	607	611	610	620	610	620	610	620	610	620	610
11	ATFD Steam Pressure	Kg/Cm²	5.5	5.1	5.5	5.8	5.7	5.8	5.7	5.8	5.7	5.8	5.7	5.8
12	ATFD Feed Rate	KL/Hr	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.42	0.42	0.42	0.42	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	80	70	80	70	80	80	80	80
	Temperature profile													
15	Stripper top	TT-1	83.4	82.3	83.6	84.1	83.9	84.1	83.8	84.2	84.4	84.1	84.2	83.9
16	Stripper bottom	TT-2	93.7	94.9	93.9	94.2	93.7	94.1	93.8	94.2	94.1	93.9	94.1	93.7
17	Col-I Vapour temp	TT-3	90.8	91.2	89.4	91.1	91.2	91.3	89.3	89.2	89.3	89.1	89.2	89.1
18	Col-I Vaccum In mm Hg	VP-1	-129	-120	-147	-140	-131	-132	-140	-137	-138	-131	-132	-134
19	Col-II Vapour temp	TT-4	86.8	87.4	86.4	87.2	87.1	87.2	87.2	87.1	87.2	87.2	87.1	87.2
20	Col-II Vaccum In mm Hg	VP-2	-319	-307	-341	-298	-302	-303	-302	-303	-302	-311	-312	-314
21	Col-III vapor temp	TT-5	61.6	61.8	60.6	600	610	605	603	60.4	60.6	60.3	60.4	60.6
22	Col-III Vaccum In mm Hg	VP-3	-524	-529	-549	-531	-520	-531	-529	-530	-538	-520	-510	-520
23	CT-Inlet temp	TT-6	37.5	36.6	37.6	38.4	38.1	38.2	38.1	38.2	38.1	38.1	38.2	38.1
24	CT-outlet temp	TT-7	40.2	39.0	40.4	41.2	41.1	41.2	41.3	41.2	41.4	41.5	41.6	41.2
25	ATFD vapor temp	TT-8	82.5	82.7	83.4	82.7	83.1	83.2	82.1	83.7	83.4	83.1	83.2	83.4

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	60860.8	60878.8	18.0	60878.8	60896.8	18.0	60896.8	60914.8	18.0
MEE Feed totaliser	14391.9	14397.9	6.0	14397.9	14404.8	6.9	14404.8	14411.3	6.5
MEE condensate totaliser	21923.0	21941.8	18.8	21838.3	21857.0	18.7	2185?	20877	18.0
MEE concentrate totaliser	1116.98	1120.0	3.2	11120.0	11123.2	3.2	11123.2	11126.7	3.5
Shift incharge Sign									

Remarks: A → ATFD Washing given

Verified By

SOP/EHS/ENV/U03/CEN/005/04/FT-01

Mylan

Date: 06/07/23

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	3.2	3.1	3.2	8.1	8.2	8.2	3.1	3.0	3.2	3.1	3.4	3.0	3.2	3.4	3.4	3.4	3.6	3.5	3.4	3.5	3.4	3.6	3.5
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.2	1.4	1.4	1.2	1.3	1.3	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.9	1.7	1.5	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.9	2.8	3.0	2.9	2.9	3.0	3.1	3.0	2.8	3.0	2.8	3.2	2.8	3.0	3.2	3.2	3.2	3.4	3.3	3.2	3.4	3.2	3.5	3.5
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.9	0.5	0.5	0.5	0.5	0.7	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	605	610	600	595	600	610	605	610	600	595	600	600	605	610	605	605	602	604	607	604	607	602	607	604
11	ATFD Steam Pressure	Kg/Cm²	5.0	5.5	5.0	4.8	5.2	5.5	5.0	5.0	4.5	5.0	4.6	4.5	5.0	5.2	5.0	5.2	4.6	4.5	5.0	5.4	5.5	5.0	4.5	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85.1	85.1	85.1	85.2	85.1	85.2	85.3	85.1	84.2	85.1	84.2	84.1	83.6	83.1	83.4	84.1	84.5	84.2	84.3	84.2	84.6	84.5	84.6	84.9
16	Stripper bottom	TT-2	95.2	95.0	95.2	95.2	95.1	95.1	95.2	95.2	93.2	96.1	93.2	96.0	94.2	93.2	96.1	83.6	93.8	93.1	93.7	93.6	93.9	93.3	93.7	93.8
17	Col - I Vapour temp	TT-3	90.2	90.1	90.2	90.3	90.2	90.2	90.2	90.1	89.2	89.0	89.2	90.0	89.2	80.1	80.2	90.2	91.0	90.6	89.8	91.4	90.6	91.9	92.6	
18	Col - I Vaccum In mm Hg	VP-1	-115	-113	-116	-114	-118	-118	-116	-120	-115	-120	-120	-115	-120	-115	-120	-115	-124	-119	-118	-121	-119	-130	-119	-126	
19	Col - II Vapour temp	TT-4	86.3	86.2	86.2	863	86.2	86.3	86.4	862	86.4	87.0	86.9	86.4	87.0	86.9	86.1	86.4	88.0	88.4	87.8	86.4	87.2	87.0	87.4	88.7
20	Col - II Vaccum In mm Hg	VP-2	-315	-314	-316	-316	-310	315	-320	-320	-330	-350	-330	-330	-330	-320	-330	-320	-326	-349	-324	-311	-291	-314	-311	-294	
21	Col - III vapor temp	TT-5	66.2	66.2	66.1	66.4	66.2	66.3	66.4	66.2	65.1	66.8	65.1	64.2	65.1	64.2	65.1	64.2	62.1	61.6	62.4	61.7	62.6	61.7	62.4	62.4
22	Col - III Vaccum In mm Hg	VP-3	-502	-500	-540	-530	-530	-520	-540	-530	-505	-550	-550	-550	-550	-560	-550	-550	-546	-539	-544	-548	-526	-531	-543	-524	
23	CT -inlet temp	TT-6	35.6	356	352	354	35.2	353	35.2	35.1	35.4	36.0	36.2	36.2	36.4	36.1	36.2	36.4	36.4	36.5	36.3	36.2	36.3	36.5	36.6	36.8	
24	CT -outlet temp	TT-7	39.2	39.8	40.1	40.2	40.2	40.3	40.2	41.2	41.2	41.2	41.6	41.8	41.2	41.1	41.2	41.5	41.2	40.4	40.5	40.4	40.3	40.1	40.3	40.5	
25	ATFD vapor temp	TT-8	80.6	80.6	80.2	80.8	80.7	80.6	80.8	80.9	81.0	80.9	81.2	80.9	81.2	80.6	81.2	81.4	82.4	82.9	82.7	83.0	82.9	83.4	83.6	82.7

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	60914.8	60931.8	15.2	60931.8	60949.5	17.7	60949.5	60970.9	17.7	A → SWW + ATFD Flow given.
MEE Feed totaliser	14411.3	14416.3	5.0	14416.3	14421.3	5.0	14421.3	14425.7	4.4	B → ATFD NCW Closing Given
MEE condensate totaliser	21874	21899	14.4	21899.0	21907.0	16.4	21916.8	21927.0	16.2	
MEE concentrate totaliser	11126.7	11129.7	3.0	11129.4	11132.9	3.2	11132.9	11136.1	3.2	
Shift Incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06FT-01

Verified By

Date: 07/07/23

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	2.2	3.4	3.2	3.1	3.2	3.3	3.1	3.2	3.2	3.0	2.8	3.4	3.6	3.8	3.0	3.2	3.4	3.2	3.4	3.3	3.4	3.3	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.2	1.4	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.0	1.2	1.4	1.5	1.5	1.5	2.2	2.2	2.0	1.7	1.8	1.7	1.6	1.7
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.0	3.0	2.8	2.6	3.0	3.0	2.8	2.6	2.4	2.6	2.5	2.4	2.6	2.8	2.7	2.8
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.8	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.3	2.2	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	605	600	595	600	605	598	600	605	610	605	610	605	610	600	610	606	605	610	609	607	603	607	605
11	ATFD Steam Pressure	Kg/Cm²	5.5	6.0	5.0	5.5	5.0	5.5	5.0	5.0	4.8	5.0	4.8	5.0	4.8	5.0	4.8	5.0	4.5	4.0	4.5	4.2	4.0	4.0	4.0	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	60	70	70	60	60	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85.1	85.0	84.8	84.7	84.8	84.7	84.8	84.9	85.0	84.1	85.1	84.2	84.1	85.1	84.2	85.0	84.6	83.9	84.3	84.7	83.8	84.0	83.2	83.4
16	Stripper bottom	TT-2	95.2	95.1	95.2	95.0	95.0	95.1	95.2	85.1	84.8	85.1	84.8	85.1	84.2	85.1	84.2	85.1	94.7	94.2	94.7	94.8	94.0	84.7	94.3	94.6
17	Col - I Vapour temp	TT-3	91.3	91.1	91.2	91.2	91.2	91.3	91.4	91.3	91.2	90.6	91.2	90.6	91.2	90.2	90.0	90.2	89.8	89.4	88.6	90.2	88.2	90.8	91.4	92.3
18	Col - I Vaccum In mm Hg	VP-1	-120	-125	-130	-138	-135	-132	-134	-135	-115	-120	-115	-120	-115	-120	-115	-115	-125	-126	-124	-129	-119	-120	-119	-112
19	Col - II Vapour temp	TT-4	86.9	87.0	87.4	87.2	87.1	87.2	87.3	87.2	87.0	88.1	87.6	86.9	87.1	86.9	87.0	86.9	84.3	84.0	84.3	86.1	84.2	85.7	86.2	86.8
20	Col - II Vaccum In mm Hg	VP-2	-330	-338	-325	-336	-335	-340	-333	-33	-350	-330	-350	-350	-350	-330	-350	-360	-326	-319	-326	-343	-334	-314	-297	-258
21	Col - III vapor temp	TT-5	65.1	65.0	65.2	65.2	65.2	65.2	65.3	65.2	66.2	65.1	66.8	65.4	64.8	65.1	65.4	64.8	63.4	62.9	64.7	64.6	62.8	61.7	62.4	62.7
22	Col - III Vaccum In mm Hg	VP-3	540	545	530	541	-545	-520	-540	-54°	-545	-550	-545	-550	-550	-545	-550	-560	-559	-549	-556	-551	-529	-540	-533	-529
23	CT -inlet temp	TT-6	36.0	36.0	36.1	36.1	36.5	36.7	36.7	36.7	36.2	36.1	36.2	36.2	36.4	36.2	36.2	36.2	36.9	36.7	36.8	36.6	36.8	37.0	37.1	37.4
24	CT -outlet temp	TT-7	40.1	40.2	40.2	40.2	40.2	40.5	40.5	40.1	40.2	40.2	40.9	40.2	40.9	40.2	40.9	40.2	40.9	40.6	40.8	40.7	40.8	40.6	40.7	40.8
25	ATFD vapor temp	TT-8	81.0	80.9	80.8	81.0	81.1	80.9	80.1	82.9	80.0	83.6	80.1	83.6	83.9	83.2	83.9	83.1	83.6	83.2	83.7	84.1	83.2	83.7	83.2	83.6

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	A ⇒ Stripper ATFD Running time
Stripper Feed totaliser	60976.9	60988.6	17.8	60988.6	61007.6	18.0	61007.6	61026.9	19.3	B ⇒ ATFD Washing time
MEE Feed totaliser	14425.7	14428.9	3.2	14428.9	14432.9	4.0	14432.9	14438.0	4.1	
MEE condensate totaliser	21927	21942	15.0	21942.0	21959.0	17.0	21957.6	21976.0	18.4	
MEE concentrate totaliser	11136.0	11139.0	3.0	11139.0	11142.0	3.0	11142.0	11145.0	3.0	
Shift Incharge Sign										Verified By

Mylan

STRIPPER.MEE & ATFD LOG SHEET

Date: 08.07.23

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.1	3.2	3.0	3.1	3.1	3.1	3.0	3.0	3.1	3.0	3.1	3.2	3.0	3.1	3.1	3.1	3.4	3.5	3.6	3.2	3.2	3.4	3.4	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.4	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8	2.7	2.8	2.9	2.8	2.7	2.8	3.0	3.0	3.0	3.0	3.2	3.0	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.2	0.8	2.7	0.8	0.2	0.2	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.3	2.3	2.4	2.3	2.4	2.3	2.3	2.7	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.1
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
10	MEE Vaccum	mmHg	600	600	600	600	600	600	590	600	550	550	550	600	590	600	600	590	600	605	610	600	605	600	595	600
11	ATFD Steam Pressure	Kg/Cm²	6.5	6.5	6.4	6.5	4.0	4.2	4.8	4.0	4.0	4.0	4.5	5.0	5.8	5.0	4.0	4.8	4.8	5.0	5.0	4.8	5.0	4.8	5.0	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	20	20	20	20	20	10	[illegible]	40	60	60	60	60	60	60	60
Temperature profile												ATFD [illegible]														
15	Stripper top	TT-1	85.1	85.0	85.1	85.2	85.2	85.1	85.0	85.1	85.2	85.1	85.2	85.0	85.1	85.0	85.1	85.1	86.0	85.5	86.1	85.5	86.1	85.9	86.1	86.1
16	Stripper bottom	TT-2	95.2	95.8	95.0	94.8	94.7	94.6	94.8	94.7	94.8	94.6	94.1	94.2	94.2	94.1	94.2	94.2	94.1	90.5	90.2	90.2	91.2	91.2	90.2	91.8
17	Col - I Vapour temp	TT-3	91.3	91.2	91.0	91.2	91.2	91.6	91.8	91.4	91.8	91.7	91.7	91.8	91.1	91.2	91.6	91.1	91.2	94.2	95.4	90	90.0	90.0	90.2	90.2
18	Col - I Vacuum In mm Hg	VP-1	111.5	-108.8	110.9	110.9	110.8	110.9	110.8	110.8	110.8	110.7	110.8	110.9	110.7	110.8	110.0	110.8	-115	-120	-115	-115	120	-115	-120	-115
19	Col - II Vapour temp	TT-4	86.9	86.9	86.8	86.9	86.8	86.9	86.4	86.2	86.4	86.3	86.2	86.4	86.3	86.4	86.3	84.2	84.2	85.7	84.2	84.1	[illegible]	84.1	86.0	86.2
20	Col - II Vaccum In mm Hg	VP-2	-330	-320	-310	-320	-320	-310	-320	-310	-320	-130	-140	-130	-136	-140	-145	-130	-300	-315	-320	-330	-330	-330	-350	-330
21	Col - III vapor temp	TT-5	65.0	65.7	65.2	65.1	65.1	65.2	65.1	65.4	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	66.1	65.4	64.2	64.2	64.5	64.2	65.1	64.2
22	Col - III Vaccum In mm Hg	VP-3	56.1	52.8	52.9	52.8	52.8	52.9	52.8	52.9	52.6	64.2	65.2	52.1	52.1	65.2	65.2	65.2	-650	-630	-590	-570	-550	-550	-550	-550
23	CT -Inlet temp	TT-6	36.0	36.1	36.2	36.2	36.4	36.2	36.1	36.8	36.9	35.2	35.2	35.4	35.1	35.2	35.2	35.2	36.1	36.2	36.4	36.5	36.4	36.2	36.2	36.7
24	CT -outlet temp	TT-7	40.1	40.2	40.3	40.2	40.3	40.4	40.6	40.8	40.9	40.1	40.2	40.2	40.2	40.2	40.2	40.3	41.2	42.4	41.5	42.4	42.1	41.8	42.4	42.1
25	ATFD vapor temp	TT-8	82.0	81.8	81.9	81.9	81.8	81.9	81.6	81.8	81.6	81.2	81.2	81.6	81.2	81.6	81.0	[illegible]	88.0	89.0	83.1	81.2	82.0	81.9	82.0	82.0

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61026.9	61044.9	18.0	61044.9	61062.9	18	61062.9	61080.5	18.0	'B' - [illegible] ATFD Flushing [illegible]
MEE Feed totaliser	14437.0	14441.0	4.0	14441.0	14444.0	3.0	14444.0	14447.0	3.0	C ⇒ ATFD NaOH Cleaning [illegible]
MEE condensate totaliser	21976.0	21991.5	16.5	21976.0	21906.5	14.5	21906.5	21921.0	15.0	
MEE concentrate totaliser	11144.0	11146.5	2.5	11146.5	11149.5	3.0	11149.5	11152.5	3.0	
Shift incharge Sign	[signature]			[signature]			[signature]			

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

53

Date: 09/07/2023.

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.2	3.5	3.4	3.5	3.2	3.6	3.5	3.4	3.3	3.4	3.6	3.4	3.4	3.3	3.2	3.4	3.2	3.4	3.3	3.4	3.0	3.0	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.8	1.7	1.6	1.5	1.5	1.7	1.2	1.6	1.2	1.4	1.8	1.4	1.3	1.2	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.5	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.7	2.6	2.8	2.8	2.8	2.8	3.0	2.8	2.8	2.7	2.8	2.8	2.9	2.8	2.9	2.7	3.0	2.8	3.0	3.0	3.2	2.8	2.8	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.2	0.7	0.7	0.7	0.7	0.2	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.3	2.3	2.3	2.3	2.4	2.3	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5
10	MEE Vaccum	mmHg	607	609	610	607	605	607	609	603	600	601	602	600	602	601	600	606	605	600	605	600	605	610	600	610
11	ATFD Steam Pressure	Kg/Cm²	4.0	3.0	4.0	4.5	4.0	3.5	4.2	4.5	5.0	4.5	4.0	5.5	5.6	4.5	4.0	4.0	4.8	5.0	5.0	4.8	5.0	4.8	5.0	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.4
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	20	20	20	20	70	70	70	70	70	70	70	70	60	70	70
Temperature profile																										
15	Stripper top	TT-1	84.3	84.2	84.6	84.5	84.6	84.2	84.6	84.5	84.6	84.7	84.8	84.7	84.6	84.7	84.8	84.7	80.2	83.6	84.1	83.4	84.1	83.2	80.1	80.2
16	Stripper bottom	TT-2	94.7	94.0	94.2	93.9	94.4	94.4	94.2	94.7	94.6	94.7	94.5	94.6	94.7	94.8	94.7	94.8	96.2	85.0	96.8	96.2	96.2	96.0	96.2	96.1
17	Col - I Vapour temp	TT-3	87.8	88.7	88.6	87.9	91.9	92.6	92.4	89.9	89.8	89.7	89.8	89.7	89.2	89.0	89.1	89.2	89.0	86.8	88.0	87.8	88.1	88.9	89.0	88.9
18	Col - I Vaccum In mm Hg	VP-1	-121	-118	-121	-124	-119	-121	-120	-115	-114	-115	-110	-100	-108	-110	-108	-105	-115	-120	-115	-120	-120	-150	-160	-120
19	Col - II Vapour temp	TT-4	83.4	84.9	84.6	83.8	85.8	86.0	86.2	84.6	84.7	84.6	84.7	84.6	84.7	84.8	84.2	84.8	86.0	85.9	86.0	86.2	85.9	86.0	85.0	86.0
20	Col - II Vaccum In mm Hg	VP-2	-321	-364	-341	-328	-319	-311	-320	-314	-300	-310	-308	-360	-310	-305	-310	-308	-330	-350	-320	-330	-320	-315	-330	-320
21	Col - III vapor temp	TT-5	62.1	61.7	62.7	61.6	63.7	62.9	62.1	61.9	62.8	62.7	62.7	62.8	62.7	62.8	62.7	62.8	62.1	61.2	61.0	62.0	61.8	61.2	60.5	61.2
22	Col - III Vaccum In mm Hg	VP-3	-534	-534	-529	-547	-529	-519	-524	-534	-532	-532	-534	-534	-532	-530	-532	-530	-540	-550	-540	-541	-542	-550	-545	-550
23	CT-inlet temp	TT-6	34.9	35.1	35.2	35.4	36.0	36.4	36.8	37.5	36.8	36.7	36.8	36.8	36.9	36.8	36.7	37.1	37.4	37.2	37.1	37.2	37.4	36.5	36.4	36.5
24	CT-outlet temp	TT-7	39.0	39.1	39.2	39.4	40.0	40.4	40.8	41.0	41.6	41.7	41.6	41.6	41.6	41.8	41.7	41.7	41.2	42.2	42.0	42.4	42.4	42.1	41.9	41.2
25	ATFD vapor temp	TT-8	83.0	83.4	83.1	82.9	83.0	82.9	82.6	83.1	82.8	82.1	82.8	82.7	82.8	82.6	82.9	82.8	83.5	83.2	84.7	84.2	83.1	83.1	82.4	82.5

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	61080.9	61099.0	18.8	61099.0	61117	18.0	61117.0	61135.0	18.0
MEE Feed totaliser	14447.0	14452.3	5.3	14452.3	14455.8	3.5	14455.8	14460.3	4.5
MEE condensate totaliser	21925.7	22044.0	18.5	22044.0	22058	15.7	22058.0	22080.3	16.5
MEE concentrate totaliser	11152.5	11155.5	3.0	11155.5	11158.5	3.0	11158.5	11161.7	3.2
Shift incharge Sign	[signature]			[signature]			[signature]		

Remarks:
"B" Shift - ATFD Flushing given.
~~ATFD~~ C Shift NaOH Charging given

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 10/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00
1	Steam on Header	Kg/Cm²	3.2	3.4	3.3	3.5	3.4	3.5	3.4	3.5	3.5	3.4	3.4	3.3
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.7	1.8	1.7	1.6	1.6	1.7	1.8	1.8	1.7	1.8	1.6
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	2.9	2.7	2.9	2.7	2.8	2.6	2.7	2.7	2.6	2.7	2.6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	609	612	607	604	607	607	609	604	590	600	600	590
11	ATFD Steam Pressure	Kg/Cm²	4.2	4.5	4.2	4.5	4.0	3.0	4.0	4.5	4.5	4.3	4.4	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	80	70	70
	Temperature profile													
15	Stripper top	TT-1	84.6	84.3	83.9	83.2	84.4	83.2	83.3	83.2	84.1	84.0	84.1	84.2
16	Stripper bottom	TT-2	94.1	93.6	93.2	93.9	93.6	93.8	93.7	94.3	94.4	94.6	94.5	94.3
17	Cal-I Vapour temp	TT-3	91.2	91.7	90.6	91.2	90.9	91.4	91.8	90.9	90.8	90.6	90.8	90.9
18	Cal-I Vaccum In mm Hg	VP-1	-117	-116	-119	-121	-124	-129	-124	-121	-120	-120	-120	-121
19	Cal-II Vapour temp	TT-4	86.4	83.8	86.0	86.4	86.0	86.7	86.4	85.8	85.5	85.6	85.4	84.8
20	Cal-II Vaccum In mm Hg	VP-2	-317	-314	-321	-319	-329	-331	-329	-351	-350	-350	-349	-350
21	Cal-III vapor temp	TT-5	62.6	61.9	62.4	62.7	63.8	62.9	63.0	62.4	62.5	62.6	62.8	62.5
22	Cal-III Vaccum In mm Hg	VP-3	-554	-529	-518	-526	-529	-528	-526	-539	-538	-558	-548	-549
23	CT-Inlet temp	TT-6	36.8	37.0	37.5	37.7	37.2	37.5	37.8	37.4	37.2	37.4	37.6	37.5
24	CT-outlet temp	TT-7	40.4	40.8	41.1	41.6	41.3	41.1	41.4	41.0	41.8	42.0	42.1	41.8
25	ATFD vapor temp	TT-8	83.4	82.9	82.6	83.9	82.6	82.9	83.6	82.9	—	—	—	—

Sl.No	Time		18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	3.1	3.0	3.2	3.0	3.1	3.2	3.2	3.1	3.2	3.1	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.8	1.7	1.8	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.7	2.6	2.7	2.6	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	580	590	600	590	580	570	580	570	580	570	580	570
11	ATFD Steam Pressure	Kg/Cm²	4.6	4.7	4.6	4.8	4.0	4.2	4.3	4.2	4.3	4.3	4.4	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	80	70	70	80	70	80	80	80	80	80	80	80
	Temperature profile													
15	Stripper top	TT-1	84.0	84.1	84.2	84.1	84.2	83.9	84.1	84.1	84.2	85.1	84.3	84.2
16	Stripper bottom	TT-2	94.2	94.1	94.3	94.2	94.1	93.9	94.2	93.9	94.1	93.9	94.2	94.1
17	Cal-I Vapour temp	TT-3	90.8	90.8	91.0	91.2	91.8	91.3	91.2	91.1	91.2	91.3	91.2	91.3
18	Cal-I Vaccum In mm Hg	VP-1	-121	-121	-125	-121	-121	-123	-124	-119	-118	-117	-118	-122
19	Cal-II Vapour temp	TT-4	85.1	85.3	85.4	85.4	85.6	85.7	86.1	86.1	86.2	86.1	86.2	86
20	Cal-II Vaccum In mm Hg	VP-2	-349	-350	-349	-340	-348	-332	-342	-332	-332	-332	-331	-332
21	Cal-III vapor temp	TT-5	62.8	62.7	62.8	62.5	62.8	63.1	62.9	63.1	63.2	63.1	63.1	63.2
22	Cal-III Vaccum In mm Hg	VP-3	-555	-550	-549	-550	-560	-559	-561	-570	-580	-572	-578	-552
23	CT-Inlet temp	TT-6	37.9	37.8	38.1	37.5	37.6	37.3	37.4	37.1	37.2	37.1	37.2	37.1
24	CT-outlet temp	TT-7	42.1	42.6	42.5	42.4	42.1	42.1	42.2	42.1	42.1	42.9	42.1	42.2
25	ATFD vapor temp	TT-8	—	—	—	—	—	—	—	—	—	—	—	—

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total	Remarks
Stripper Feed totaliser	61135.0	61153.7	18.7	61153.7	61171.7	18.0	61171.7	61190	18.3	C shift :- ATFD Fully Sh[illegible]
MEE Feed totaliser	14460.3	14466.3	6.0	14466.2	14489.5	4.5	14469.5	14473.5	4.0	
MEE condensate totaliser	22078.3	22097.0	18.7	22097	22113	16.7	22113	22120	16.2	
MEE concentrate totaliser	11161.5	11164.5	3.0	11164.5	11167.5	3.0	11167.5	11170.8	3.3	
Shift Incharge Sign	[signature]						[signature]			Verified By [signature]

Date: 11/07/2023

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.2	3.4	3.0	3.2	3.2	3.4	3.4	3.9	3.4	3.7	3.5	3.4	3.6	3.8	3.5	3.7	3.6	3.3	3.8	3.9	3.8	3.7	3.8
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.7	1.8	1.9	1.8	1.6	1.5	1.7	1.8	1.7	1.6	1.7	1.8	1.7	1.9	1.7	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	3.0	3.2	2.8	3.0	3.0	3.2	3.2	2.8	2.7	2.8	2.8	2.6	2.8	2.7	2.5	2.7	2.8	2.7	2.8	2.8	2.8	2.8	2.7
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.2	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	605	604	610	605	610	605	610	607	610	609	607	610	612	614	617	610	605	611	613	602	600	605	608
11	ATFD Steam Pressure	Kg/Cm²	4.2	4.5	4.2	4.5	5.0	4.8	5.0	4.8	4.6	3.5	4.0	4.0	4.0	4.0	4.5	4.3	4.5	5.0	5.5	5.0	5.4	5.5	5.0	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	82.2	83.6	82.2	83.2	82.1	83.2	82.1	82.2	84.3	84.2	84.7	84.2	83.7	84.3	84.3	84.6	84.2	84.8	84.2	84.8	84.1	84.2	84.1	84.2
16	Stripper bottom	TT-2	93.4	92.2	95.7	94.2	95.1	92.2	95.1	92.2	94.7	94.3	94.3	94.4	94.7	94.3	94.7	94.6	94.2	94.8	94.6	94.7	94.6	94.7	94.0	94.7
17	Col - I Vapour temp	TT-3	92.2	85.0	84.2	83.9	92.2	83.9	92.2	92.1	91.7	91.4	92.5	90.6	91.2	90.7	91.2	91.6	91.5	91.6	91.7	91.6	91.1	91.1	91.1	91.2
18	Col - I Vaccum In mm Hg	VP-1	-115	-120	-115	-120	-115	-120	-115	-120	-119	-120	-124	-126	-151	-170	-116	-120	-120	-115	-110	-113	-108	-110	-110	-114
19	Col - II Vapour temp	TT-4	86.4	85.9	86.4	86.4	85.9	86.2	86.1	86.4	86.1	86.4	86.7	84.9	85.7	85.3	85.6	85.8	85.7	85.8	85.7	85.8	85.6	85.7	85.6	85.7
20	Col - II Vaccum In mm Hg	VP-2	-315	-330	-335	-330	-320	-330	-334	-330	-324	-321	-324	-319	-321	-319	-326	-312	-310	-305	-310	-310	-305	-310	-305	-300
21	Col - III vapor temp	TT-5	63.0	62.6	63.1	62.8	63.1	63.4	62.8	63.4	63.8	62.9	62.9	63.6	62.9	62.0	62.4	62.6	62.7	62.8	62.7	62.7	62.6	62.7	62.1	62.7
22	Col - III Vaccum In mm Hg	VP-3	-545	-550	-505	-550	-545	-545	-540	-550	-529	-534	-556	-536	-531	-534	-541	-529	-530	-529	-530	-529	-530	-528	-530	-540
23	CT -inlet temp	TT-6	35.9	36.2	36.4	36.2	36.5	35.9	36.4	36.4	36.0	36.1	36.2	36.5	36.2	36.4	36.5	36.9	36.8	36.7	36.8	36.7	36.8	36.7	36.1	36.2
24	CT -outlet temp	TT-7	40.2	40.2	41.2	41.2	40.4	41.2	41.2	41.2	40.0	40.2	40.4	40.3	40.4	40.4	40.3	40.8	40.7	40.8	40.7	40.8	40.7	40.5	40.5	40.6
25	ATFD vapor temp	TT-8	83.1	84.1	83.4	84.1	84.2	83.9	84.1	84.2	82.9	83.6	83.1	82.1	82.7	83.1	82.6	82.8	82.9	82.1	82.8	82.7	82.6	82.7	82.6	82.7

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	A ⇒ ATFD Washing given
Stripper Feed totaliser	61190.0	61208.0	18.0	61208.0	61226.0	18.0	612260	612.44	18	B ⇒ ATFD Flow given
MEE Feed totaliser	14473.5	14476.0	2.5	14476.0	14480.8	4.8	14480.8	14482.5	2.5	
MEE condensate totaliser	22029.0	22045.5	15.7	22142.0	22159.0	17.0	22159.0	22173	14.7	
MEE concentrate totaliser	11170.4	11173.4	3.0	11173.3	11176.3	3.0	11176.3	11179.3	3.0	
Shift Incharge Sign										Verified By

SOP/EHS/ENV/U02/GEN/005/04/FT-01

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Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 12/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.2	3.5	3.4	3.5	3.2	3.4	3.2	3.4	3.4	3.5	3.8	3.6	3.4	3.5	3.8	3.4	3.5	3.4	3.5	3.4	3.5	3.4	3.5
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.6	1.8	1.4	1.6	1.5	1.6	1.5	1.5	1.6	1.2	1.5	1.6	1.7	1.6	1.7	1.6	1.8	1.8	1.7	1.6	1.8	1.8	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.0	3.2	3.2	3.4	3.0	3.2	3.0	3.0	2.8	2.9	2.8	2.6	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.2	2.3	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	610	605	610	610	610	609	610	605	608	612	612	607	609	609	610	612	620	610	620	610	620	610	620	610
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.8	5.0	4.8	—	—	—	—	—	—	4.0	4.2	4.5	4.6	4.0	4.5	4.2	4.4	4.4	4.6	4.4	4.6	4.4	4.6
12	ATFD Feed Rate	KL/Hr	0.5	0.4	0.5	0.5	—	—	—	—	—	—	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.4	0.3	0.4	0.4	—	—	—	—	—	—	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	—	—	—	—	—	—	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	80.2	83.9	82.2	84.1	83.6	84.2	85.1	84.2	85.1	84.1	83.2	84.0	82.8	83.6	83.2	83.4	84.1	84.2	84.1	84.2	84.1	84.2	84.1	84.2
16	Stripper bottom	TT-2	93.2	94.2	93.6	94.2	95.1	94.2	94.1	92.6	94.1	94.2	93.8	94.1	93.6	92.4	93.9	93.3	93.1	93.2	94.1	93.6	94.1	93.5	94.1	93.8
17	Cal - I Vapour temp	TT-3	94.2	94.2	94.2	95.4	94.2	95.1	94.6	95.1	94.2	89.7	91.2	91.0	91.3	91.6	90.7	91.1	91.1	91.2	91.6	91.2	91.4	91.2	91.4	91.2
18	Cal - I Vaccum in mm Hg	VP-1	-115	-120	-120	-115	-120	-115	-120	-120	-115	-124	-119	-126	-118	-126	-120	-120	-122	-122	-121	-122	-122	-122	-122	-121
19	Cal - II Vapour temp	TT-4	86.2	87.0	86.2	86.4	86.2	86.4	86.5	86.4	86.9	84.7	86.1	86.4	86.0	86.5	86.4	86.7	86.9	87.1	86.7	87.1	86.9	87.1	86.9	87.1
20	Cal - II Vaccum in mm Hg	VP-2	-330	-320	-330	-320	-330	-320	-320	-330	-328	-291	-310	-264	-261	-238	-307	-301	-312	-312	-311	-312	-310	-312	-310	-311
21	Cal - III vapor temp	TT-5	64.2	65.4	64.6	65.4	64.2	64.1	64.5	65.1	64.2	64.1	63.7	64.6	64.1	63.1	62.7	63.6	63.1	63.4	63.6	63.4	63.1	62.6	62.8	63.1
22	Cal - III Vaccum in mm Hg	VP-3	-545	-540	-550	-545	-560	-545	-550	-545	-560	-526	-531	-524	-536	-528	-515	-524	-532	-530	-529	-530	-528	-530	-528	-532
23	CT -inlet temp	TT-6	35.6	36.2	36.2	35.9	36.2	36.4	36.2	36.8	36.3	36.0	35.7	35.6	35.7	35.8	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.2	36.3	36.2
24	CT -outlet temp	TT-7	41.8	42.1	41.5	42.1	42.2	42.5	42.2	42.1	40.7	40.2	40.0	39.7	39.9	39.4	40.0	40.6	40.2	40.1	40.2	40.1	40.2	40.1	40.2	40.1
25	ATFD vapor temp	TT-8	84.1	83.1	83.1	83.2	—	—	—	—	—	83.9	82.6	82.9	83.4	83.7	83.2	83.5	83.2	83.1	83.2	83.1	83.2	83.1	83.2	83.1

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61244.0	61262.4	18.4	61262.4	61281.0	18.6	61281.0	61299	1.8	ATFD Cleaning from 9:45 hrs
MEE Feed totaliser	144857.5	144886.5	6.0	144886.5	144890.0	3.5	144898.2	144944.2	4.2	
MEE condensate totaliser	22173.0	22190.0	17.0	22202.7	22219.4	16.3	22219.7	22235	1.6	
MEE concentrate totaliser	11179.3	11180.8	1.5	11180.8	11183.3	3.0	11183.3	11186.5	3.2	
Shift incharge Sign										

SOP/EHS/ENV/U03/CEN/005/06/FT-01

Verified By

Date: 13/07/25

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	3:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.4	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.4	3.3	3.2	3.1	3.2	3.1	3.2	3.5	3.4	3.4	3.5	3.4	3.5	3.4	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.3	1.4	1.5	1.3	1.2	1.3	1.3	1.3	1.2	1.3	1.4	1.3	1.2	1.3	1.2	1.3	1.7	1.7	1.7	1.6	1.6	1.4	1.6	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.7	2.8	2.7	2.5	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.6	2.6	2.8	2.7	2.7	2.6	2.7
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	610	600	610	600	610	600	610	605	600	600	610	605	610	605	610	612	614	609	610	609	614	612	611
11	ATFD Steam Pressure	Kg/Cm²	5.0	5.5	4.5	5.0	5.0	5.5	4.5	4.6	4.5	4.0	3.5	4.5	5.0	5.0	4.5	4.0	4.0	3.8	4.5	3.8	3.5	4.0	4.0	3.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85.1	85.2	85.3	85.4	85.5	85.3	85.7	85.6	85.1	85.2	85.1	85.0	85.0	84.9	83.9	84.0	84.1	83.9	84.6	83.8	84.1	83.5	84.6	84.3
16	Stripper bottom	TT-2	95.1	95.2	95.3	95.4	95.1	95.2	95.4	95.2	95.1	95.2	95.0	95.2	95.1	95.2	95.1	95.0	94.6	94.3	93.9	94.3	94.6	94.4	94.3	94.3
17	Col - I Vapour temp	TT-3	94.1	94.2	94.3	94.4	94.4	94.5	94.6	94.4	94.2	94.4	94.3	94.3	94.6	94.6	94.1	94.1	91.2	90.6	91.9	91.2	90.0	90.8	91.3	91.2
18	Col - I Vaccum In mm Hg	VP-1	-115	-113	-110	-112	-110	-112	-113	-115	-113	-114	-113	-110	114	-113	-110	-111	-129	-119	-124	-126	-129	-121	-120	-119
19	Col - II Vapour temp	TT-4	86.2	86.0	86.4	86.7	86.8	86.7	86.1	86.1	86.4	86.4	86.3	86.3	86.4	86.3	86.4	86.3	86.6	85.7	96.0	86.2	86.0	86.4	83.1	86.4
20	Col - II Vaccum In mm Hg	VP-2	-330	-320	-315	-300	-310	-320	-310	-310	-305	-310	-380	-320	-310	-320	-330	-320	-312	-294	-316	-320	-324	-326	-319	-321
21	Col - III vapor temp	TT-5	64.2	64.0	64.4	64.2	64.1	64.2	64.0	64.1	64.1	64.2	64.3	64.2	64.4	64.3	64.4	64.1	62.6	62.9	63.4	61.7	62.2	62.4	61.9	62.2
22	Col - III Vaccum In mm Hg	VP-3	-545	-550	-540	-535	-535	-535	-532	-532	-530	-532	-530	-530	-545	-530	-545	-530	-518	-531	-546	-542	-538	-544	-526	529
23	CT -inlet temp	TT-6	35.6	35.6	35.2	35.5	35.6	35.4	35.4	36.0	35.6	35.7	35.5	35.7	35.6	35.2	35.6	35.1	36.2	36.4	36.6	36.5	35.3	35.7	36.6	36.2
24	CT -outlet temp	TT-7	40.7	40.6	40.9	40.5	40.6	40.6	40.8	40.7	40.9	40.6	40.7	40.8	40.7	40.7	40.8	40.7	39.2	39.4	39.7	39.5	39.5	39.5	39.3	39.5
25	ATFD vapor temp	TT-8	80.9	80.6	80.2	80.3	80.8	80.9	80.4	80.9	80.8	80.9	81.0	80.8	80.8	80.9	80.8	80.8	83.8	83.6	82.9	83.3	83.1	83.6	84.2	83.9

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61298	61316	18	61316	61333	17	61333-0	61350.5	17.5	'A' Shift :- ATFD Flow given. 'B' & 'C' Shift :- ATFD Flow given.
MEE Feed totaliser	14494.2	14498.2	4.0	14498.2	14502.2	4.0	14502.2	14507.7	5.5	
MEE condensate totaliser	22235	22252	16.2	22252	22268	16.2	22268.9	22287	17.1	
MEE concentrate totaliser	11186.5	11189.5	3.0	11189.5	11192.5	3.0	11192.5	11195.5	3.0	
Shift Incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

57

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 14/07/22

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	3.8	3.4	3.4	3.5	3.6	3.5	3.6	3.4	3.6	3.4	3.5	3.4	3.6	3.8	3.6	3.8	3.7	3.6	3.4	3.5	3.4	3.5	3.8
2	Stripper Steam Pressure	Kg/Cm²	1.3	1.4	1.4	1.2	1.3	1.4	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.8	1.8	1.8	1.5	1.4	1.6	1.5	1.7
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	2.9	3.0	2.9	2.7	2.8	2.8	2.9	3.0	3.2	3.0	3.2	3.0	2.4	0.4	0.4	0.4	3.2	3.1	3.0	3.0	3.0	3.2	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.2	3.4	3.2	3.2	3.1	3.0	3.0	3.0	3.0	3.2	3.2
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
8	MEE Condensate	KL/Hr	2.3	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.2	2.3	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	610	605	600	605	600	605	610	605	610	605	610	605	600	605	610	605	612	607	609	611	610	609	607	612
11	ATFD Steam Pressure	Kg/Cm²	5.0	5.5	5.0	5.0	4.5	5.0	5.0	5.5	4.8	5.0	4.8	5.0	4.8	5.0	5.4	5.0	5.0	4.5	4.5	4.3	4.5	4.0	5.0	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85.1	85.2	84.9	85.0	85.2	85.2	85.1	85.2	80.2	85.1	80.2	84.2	83.2	80.1	80.2	83.5	84.3	84.6	84.3	84.6	84.3	84.2	84.4	84.8
16	Stripper bottom	TT-2	95.1	85.2	95.3	95.1	95.0	95.1	95.1	93.0	80.2	95.1	94.2	95.1	80.2	95.1	70.5	85.1	84.3	84.3	84.6	94.1	94.3	84.3	84.6	84.6
17	Col - I Vapour temp	TT-3	94.1	94.1	94.2	94.3	94.1	94.2	94.1	94.2	90.2	90.2	95.4	80.2	83.2	93.8	93.2	93.4	90.6	89.3	91.1	90.2	89.6	91.4	92.8	89.3
18	Col - I Vaccum In mm Hg	VP-1	-115	-120	-116	-110	-110	-117	-113	-114	-115	-120	-115	-115	-115	-120	-120	-115	-121	-124	-121	-119	-121	-112	-113	-112
19	Col - II Vapour temp	TT-4	86.1	86.5	86.2	87.1	86.8	86.7	86.4	86.3	86.4	86.4	85.4	85.6	85.9	86.2	85.2	85.2	85.0	84.6	85.1	84.8	84.6	85.3	86.2	85.0
20	Col - II Vaccum In mm Hg	VP-2	-330	-300	-291	-302	-309	-310	-305	-310	-350	-360	340	-315	-300	-335	-360	-350	-319	-326	-319	-314	-312	-261	-289	-321
21	Col - III vapor temp	TT-5	64.2	64.1	64.9	65.0	64.8	64.8	64.9	64.8	64.8	65.1	64.2	65.1	64.2	65.1	64.2	64.2	62.7	63.1	62.9	62.9	62.2	62.6	63.3	62.9
22	Col - III Vaccum In mm Hg	VP-3	-512	-515	-540	-554	-530	-536	-530	-540	-520	-550	-505	-550	-560	-550	-560	-550	-521	-531	-526	-534	-529	-529	-535	-538
23	CT -inlet temp	TT-6	38.2	38.1	38.2	38.3	38.5	38.6	38.7	39.0	38.0	36.9	42.1	35.4	37.2	35.1	35.2	35.4	37.9	39.5	37.6	37.1	37.2	39.0	36.8	36.9
24	CT -outlet temp	TT-7	41.3	41.4	41.2	41.3	41.6	41.7	42.2	42.1	42.1	41.8	42.1	42.4	42.4	42.7	42.2	42.4	41.3	41.1	41.1	41.1	41.2	40.9	40.7	40.6
25	ATFD vapor temp	TT-8	80.1	80.2	80.2	80.3	80.5	80.7	80.8	80.7	83.2	80.1	83.2	80.2	82.2	81.8	82.7	83.0	83.4	83.1	83.8	83.1	83.2	83.7	84.2	83.6

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	61250.4	61367.4	17.0	61367.4	61386.9	18.5	61385.9	61404.1	18.2	'A' shift ATFD Flow gone
MEE Feed totaliser	14507.9	14512.6	4.7	14512.9	14515.6	3.6	14515.6	14518.8	3.2	B ⇒ ATFD washing gone
MEE condensate totaliser	22287	22303	15.5	22303.0	22320.1	17.1	21323.6	22339.0	15.4	
MEE concentrate totaliser	11195.5	11199.0	3.0	11199.0	11200.0	3.0	11200.0	11203.0	3.0	
Shift Incharge Sign		CH								

Verified By

58

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Date: 15.07.23

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00
1	Steam on Header	Kg/Cm²	3.2	3.1	3.0	3.2	3.1	3.2	3.1
2	Stripper Steam Pressure	Kg/Cm²	1.3	1.4	1.3	1.4	1.5	1.4	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.7	2.8	2.7	2.8	2.8	2.9	2.8
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	620	610	600	610	610	620	610
11	ATFD Steam Pressure	Kg/Cm²	4.8	4.7	4.9	5.2	4.9	5.1	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.33	0.33	0.33	0.33	0.33	0.33
14	ATFD Salt	Kg/Hr	80	70	70	70	70	70	70
	Temperature profile								
15	Stripper top	TT-1	85.1	84.1	85.3	85.1	84.1	85.1	84.1
16	Stripper bottom	TT-2	94.1	94.2	95.2	95.1	95.1	95.2	95.1
17	Col-I Vapour temp	TT-3	94.3	94.2	94.3	94.2	94.1	94.2	94.1
18	Col-I Vacuum In mm Hg	VP-1	-115	-120	-116	-117	-116	-117	-116
19	Col-II Vapour temp	TT-4	86.1	86.2	86.1	86.2	86.1	86.2	86.1
20	Col-II Vacuum In mm Hg	VP-2	-310	-320	-311	-322	-316	-310	-322
21	Col-III vapor temp	TT-5	64.2	64.1	64.3	64.2	64.1	64.2	64.3
22	Col-III Vacuum In mm Hg	VP-3	-518	-520	-519	-520	-510	-510	-520
23	CT-inlet temp	TT-6	38.2	38.1	38.2	38.3	38.1	38.1	38.2
24	CT-outlet temp	TT-7	41.9	41.6	41.7	41.8	41.9	41.8	41.9
25	ATFD vapor temp	TT-8	83.1	83.2	83.1	83.3	83.1	83.2	83.1

Sl.No	Time	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	3.2	3.0	3.1	3.0	3.0	3.1	3.0	3.1	3.0	3.2	3.0	3.2	3.4	3.6	3.4	3.5	3.4
2	Stripper Steam Pressure	1.4	1.4	1.3	1.4	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3	Stripper Feed Rate	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	2.8	2.7	2.8	2.7	2.8	2.8	2.5	2.5	2.7	3.0	3.0	3.0	3.2	3.4	3.2	3.4	3.2
6	MEE Feed Rate (Stripper Bottom)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	0.7	0.8	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.2	2.3	2.2	2.3	2.2
9	MEE Concentrate	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.5	0.4	0.5
10	MEE Vacuum	660	660	600	600	600	600	600	600	590	600	590	600	610	600	595	600	610
11	ATFD Steam Pressure	4.5	5.0	5.0	4.0	4.0	5.0	4.5	4.0	4.0	4.5	5.0	5.0	4.8	5.0	5.2	5.0	5.2
12	ATFD Feed Rate	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.5	0.4	0.5
13	ATFD Condensate	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.4	0.3	0.4
14	ATFD Salt	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																	
15	Stripper top	84.1	84.2	84.3	84.3	84.4	84.3	84.4	84.4	84.4	86.1	83.6	86.1	83.9	86.1	86.2	86.5	86.2
16	Stripper bottom	95.1	95.2	95.3	95.1	95.2	95.1	95.1	95.1	95.0	96.2	95.1	96.6	96.2	95.1	96.2	96.2	96.2
17	Col-I Vapour temp	94.0	94.1	94.2	94.3	94.2	94.1	94.2	94.1	94.2	96.2	95.1	96.2	95.1	96.2	95.1	96.2	96.1
18	Col-I Vacuum In mm Hg	-110	-120	-118	-110	-100	-105	-110	-115	-110	-115	-120	-120	-115	-120	-116	-115	-120
19	Col-II Vapour temp	86.0	86.1	86.2	86.0	86.6	86.2	86.2	86.2	86.1	86.4	85.9	86.2	86.4	85.9	86.0	85.9	86.1
20	Col-II Vacuum In mm Hg	-320	-318	-318	-320	-316	-320	-321	-320	-315	-330	-320	-330	-350	-330	-320	-330	-320
21	Col-III vapor temp	64.1	64.2	64.3	64.4	64.3	64.4	64.4	64.5	64.8	66.2	65.1	64.5	64.1	65.1	66.2	65.1	66.2
22	Col-III Vacuum In mm Hg	-500	-506	-580	-510	-500	-500	-580	-560	-550	-545	-550	-565	-561	-555	-565	-551	-565
23	CT-inlet temp	38.1	38.2	38.2	38.1	38.1	38.2	38.1	38.2	38.4	37.9	38.1	38.2	38.1	37.6	37.2	36.4	36.5
24	CT-outlet temp	40.9	40.8	40.9	40.8	40.7	40.8	40.1	40.2	40.3	41.2	40.9	41.2	41.2	42.1	41.8	42.2	42
25	ATFD vapor temp	83.0	83.4	83.3	83.0	83.1	83.2	83.0	83.1	83.2	82.1	83.2	83.4	52.1	51.9	52.2	51.9	52

SHIFT	A Intial	A Final	A Total	B Intial	B Final	B Total	C Intial	C Final	C Total
Stripper Feed totaliser	61404.1			61421	61437.8	16.7	61437.8	61456.8	19.0
MEE Feed totaliser	14578.8			14523	14526.6	3.6	14526.6	14530.1	3.5
MEE condensate totaliser	22339			22355	22369.0	3.0	22369.0	22386.0	16.7
MEE concentrate totaliser	11207			11205	11208	3.0	11208.0	11211.0	3.0
Shift incharge Sign	[signature]						[signature]		

Remarks

"B" shift:- ATFD Flushing given.

C → ATFD washing given

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

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Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 16/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3·5	3·6	3·4	3·5	3·6	3·5	3·6	3·5	3·7	3·4	3·7	3·5	3·6	3·7	3·7	3·6	3·5	3·6	3·6	3·4	3·5	3·6	3·4	3·6
2	Stripper Steam Pressure	Kg/Cm²	1·6	1·5	1·4	1·5	1·7	1·7	1·4	1·5	1·4	1·3	1·3	1·4	1·4	1·5	1·5	1·4	1·4	1·4	1·4	1·4	1·4	1·5	1·6	1·6
3	Stripper Feed Rate	KL/Hr	2·4	2·4	2·4	2·4	2·4	2·7	2·7	2·7	2·4	2·4	2·4	2·2	2·2	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4
4	Stripper Distillate Qty.	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
5	MEE Steam Pressure	Kg/Cm²	2·9	2·8	2·8	2·7	3·1	3·1	2·9	2·8	2·8	2·2	3·0	3·1	2·8	2·9	2·8	2·9	3·2	3·0	3·2	3·2	3·3	3·4	3·2	3·4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·6	0·7
8	MEE Condensate	KL/Hr	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·2	2·3	2·2	2·2	2·3	2·2	2·2	2·2
9	MEE Concentrate	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·5	0·4	0·5	0·5	0·4	0·5	0·4	0·5
10	MEE Vaccum	mmHg	602	612	607	610	612	607	612	608	608	610	650	610	610	608	610	600	610	605	610	600	600	600	610	600
11	ATFD Steam Pressure	Kg/Cm²	4·0	4·5	4·0	3·5	4·0	4·2	4·0	3·8	4·0	4·0	4·0	3·5	4·0	4·0	4·0	4·5	4·8	5·0	4·8	4·5	5·0	5·0	4·8	5·0
12	ATFD Feed Rate	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·5	0·4	0·5	0·5	0·4	0·5	0·4	0·5
13	ATFD Condensate	KL/Hr	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·4	0·3	0·3	0·4	0·4	0·3	0·3
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60	70	70	60	60	70	70
Temperature profile																										
15	Stripper top	TT-1	84·8	84·4	84·3	84·8	84·6	84·7	84·3	84·4	84·5	84·6	84·7	84·7	84·2	84·8	84·1	84·2	84·1	83·2	82·2	82·1	83·5	82·1	85·1	82·2
16	Stripper bottom	TT-2	84·6	83·8	84·2	83·9	83·8	84·1	83·7	84·6	84·2	84·7	84·2	84·6	84·5	84·9	84·7	84·6	84·2	85·1	82·2	84·1	85·1	82·2	85·1	84·2
17	Col - I Vapour temp	TT-3	88·7	89·7	89·7	88·6	89·2	89·7	90·2	90·7	90·6	90·2	89·6	89·7	89·2	89·7	89·8	89·4	88·2	88·0	88·1	88·2	86·9	88·2	88·1	88·2
18	Col - I Vaccum In mm Hg	VP-1	-178	-176	-175	-181	-178	-171	-153	-126	-120	-120	-125	-130	-135	-135	-133	-132	-115	-119	-120	-115	-125	-130	-115	-130
19	Col - II Vapour temp	TT-4	84·5	84·1	84·0	84·2	84·2	84·7	84·8	85·2	85·5	85·2	85·7	85·6	85·1	85·7	85·5	85·2	84·2	85·1	84·2	84·2	83·6	84·1	84·2	83·5
20	Col - II Vaccum In mm Hg	VP-2	-325	-326	-341	-334	-331	-329	-319	-319	-320	-310	-305	-305	-310	-305	-310	-315	-330	-332	-345	-350	-360	-365	-345	-360
21	Col - III vapor temp	TT-5	67·0	65·6	65·7	64·6	67·1	62·3	63·7	65·2	65·1	65·1	65·2	65·2	65·1	65·2	65·1	65·1	64·2	65·1	64·2	64·2	63·5	64·2	64·1	64·1
22	Col - III Vaccum In mm Hg	VP-3	-541	-529	-532	-536	-535	-524	-519	-521	-520	-518	-521	-521	-521	-520	-520	-550	-565	-550	-560	-555	-560	-565	-555	-560
23	CT -inlet temp	TT-6	36·4	36·5	36·6	36·4	36·7	37·0	37·3	38·4	38·2	38·4	38·4	38·4	38·4	38·4	38·4	38·3	35·2	36·2	36·2	36·6	37·0	36·9	36·1	36·2
24	CT -outlet temp	TT-7	39·8	40·0	39·8	39·7	40·6	40·1	40·4	40·8	40·7	40·2	40·2	40·2	40·7	40·7	40·7	41·4	41·2	42·1	42·1	42·1	42·1	41·5	41·6	41·5
25	ATFD vapor temp	TT-8	83·8	83·6	82·9	83·1	83·4	82·8	83·4	83·7	83·7	83·1	83·2	83·6	83·7	83·6	83·6	83·2	85·1	81·8	82·2	82·1	82·9	83·0	83·2	83·0

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61456·8	61478·8	17·0	61473·8	61491.8	18·0	61491.8	61510·3	18.5	"B" shift — ATFD Purge given
MEE Feed totaliser	145301	145341	4·0	145341	145371	3·0	145371	145401	3·0	
MEE condensate totaliser	22388·8	22408·0	15·2	22409	22418	15·2	22418	22434·0	15·2	C ⇒ ATFD Washing given
MEE concentrate totaliser	11211·0	11214·0	3·0	11214	11217	3·0	11217·0	11220·0	3·0	
Shift incharge Sign										

Verified By ✓

Date: 17/07/2023

STRIPPER,MEE & ATFD LOG SHEET

Mylan

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.5	3.6	3.4	3.4	3.7	3.5	3.6	3.4	3.3	3.2	3.3	3.2	3.3	3.2	3.3	3.3	3.4	3.3	3.4	3.3	3.4	3.3	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.7	1.6	1.7	1.7	1.6	1.8	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.4	1.3	1.2	1.3	1.2	1.3	1.2	1.2	1.3	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.1	3.2	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.7	2.8	2.7	2.8	2.9	2.8	2.9	2.8	2.9	2.8	2.9	2.8
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.8	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	612	609	604	607	615	614	617	612	613	620	630	620	618	620	610	620	600	608	610	605	610	606	610	600
11	ATFD Steam Pressure	Kg/Cm²	4.1	3.0	3.0	4.0	4.0	4.5	4.2	4.0	4.1	4.2	4.3	4.2	4.1	4.8	4.7	4.8	4.5	5.0	4.0	4.5	4.0	4.0	4.5	4.6
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	80	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																									
15	Stripper top	TT-1	83.9	84.2	84.1	84.4	84.6	84.9	84.1	84.7	85.1	84.7	84.1	83.8	84.1	84.2	84.1	83.9	84.6	84.2	84.2	84.4	84	84.6	84.7	84.4
16	Stripper bottom	TT-2	94.8	94.7	94.6	94.2	94.4	94.8	94.2	94.7	93.9	94.1	93.7	94.2	94.1	94.2	94.1	94.2	94.1	94.2	94.2	94.2	94.0	94.6	94.2	94.3
17	Col - I Vapour temp	TT-3	90.2	89.6	88.7	88.6	89.6	90.2	90.3	91.2	91.2	91.3	91.2	91.1	91.1	91.2	91.1	91.2	91.1	91.2	91.2	91.2	91.3	91.3	91.4	91.8
18	Col - I Vacuum In mm Hg	VP-1	-221	-246	-229	-219	-197	-179	-184	-176	-180	-170	-180	-173	-176	-180	-186	-176	-130	-135	-132	-132	-130	-130	-136	-134
19	Col - II Vapour temp	TT-4	85.6	84.1	84.0	84.2	84.6	85.3	86.9	86.4	86.5	86.6	86.7	86.8	86.5	86.8	86.7	86.8	88.1	88.2	88.2	88.6	88.2	90.2	90.4	89.2
20	Col - II Vacuum In mm Hg	VP-2	-381	-386	-384	-371	-321	-312	-331	-314	-318	-317	-311	-312	-311	-311	-300	-302	-310	-305	-310	-305	-310	-310	-300	-320
21	Col - III vapor temp	TT-5	64.7	65.6	65.9	65.2	64.7	65.2	64.9	64.6	64.5	64.6	64.1	64.2	64.1	64.1	64.2	64.1	64.2	64.2	64.3	64.4	64.3	64.2	63.2	63.2
22	Col - III Vacuum In mm Hg	VP-3	-526	-523	-519	-521	-529	-536	-547	-529	-531	53.1	53.1	53.2	53.1	53.2	53.1	53.2	53.1	53.2	53.2	53.2	53.1	52.6	53.0	53.6
23	CT -inlet temp	TT-6	35.3	35.7	35.9	36.5	37.0	37.2	37.9	38.7	34.1	34.1	34.1	34.2	34.1	34.1	34.2	34.1	36.0	36.2	36.3	36.2	36.3	36.8	36.2	36.8
24	CT -outlet temp	TT-7	35.4	38.4	38.6	39.9	40.7	41.0	41.1	41.6	41.7	41.0	39.9	39.8	39.7	39.7	39.7	39.6	40.6	40.2	40.7	40.6	40.7	40.5	40.8	40.6
25	ATFD vapor temp	TT-8	83.1	84.7	83.7	82.9	84.0	83.7	84.8	84.9	85.1	85.3	86.4	86.6	86.5	86.5	86.5	86.6	82.8	82.2	82.8	82.2	82.6	82.8	82.7	82.8

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	61510.3	61528.5	18.5	61528.5	61546.5	18.0	61544.5	61562	17.5
MEE Feed totaliser	14540.0	14543.0	3.0	14543	14546.5	3.0	14544.0	14546.5	3.0
MEE condensate totaliser	22438.5	22454.0	15.5	22454	22469	15.0	22469	22484	14.5
MEE concentrate totaliser	11220.0	11223.0	3.0	11223	11226	3.0	11226	14229	3.0
Shift incharge Sign	[signature]						[signature]		

Remarks: [illegible] ATFD [illegible]

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Date: 18/07/2023

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.5	3.4	3.6	3.5	3.6	3.6	3.4	3.8	3.6	3.5	3.4	3.5	3.4	3.5	3.8	3.4	3.3	3.4	3.3	3.2	3.1	3.1	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.7	1.5	1.5	1.4	1.5	1.4	1.5	1.5	1.6	1.7	1.6	1.7	1.7	1.6	1.5	1.5	1.6	1.5	1.4	1.5	1.5	1.6	1.5	1.6
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.2	3.4	3.2	3.2	3.1	3.2	3.2	3.2	3.1	3.0	3.0	3.2	3.1	3.2	3.1	3.0	3.1	3.2	3.1	3.0	3.3	3.0	3.0
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.2	2.3	2.2	2.3	2.25	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	605	610	605	610	595	600	600	605	619	609	610	612	610	607	609	610	600	605	610	600	605	600	600	610
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.8	4.5	4.8	5.0	5.5	5.2	5.0	4.8	4.0	4.2	4.5	3.0	3.8	3.5	3.4	4.0	4.0	4.5	4.5	4.0	4.5	4.0	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.42	0.42
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	83.2	83.9	84.2	85.1	84.2	85.1	84.2	85.0	84.2	84.8	84.6	84.5	84.2	84.5	84.2	84.4	84.6	84.7	84.8	84.7	84.6	84.7	84.8	84.7
16	Stripper bottom	TT-2	84.5	84.2	85.1	84.2	85.1	84.2	85.0	85.2	84.7	84.2	84.8	84.7	84.6	84.3	84.3	84.1	84.1	84.2	84.2	84.1	84.2	84.1	84.1	84.2
17	Col - I Vapour temp	TT-3	85.1	85.2	84.8	85.1	84.2	85.1	85.2	84.2	82.7	81.9	82.3	82.6	81.2	81.8	82.1	81.6	81.7	81.8	82.7	81.6	80.7	81.6	81.8	82.7
18	Col - I Vaccum in mm Hg	VP-1	-115	-120	-125	-125	-130	-120	-130	-125	-118	-119	-121	-124	-118	-123	-124	-119	-130	-129	-127	-126	-128	-127	-128	-127
19	Col - II Vapour temp	TT-4	86.9	87.0	86.9	87.2	86.9	87.1	86.9	87.2	85.2	85.6	87.2	86.4	85.8	85.5	85.4	84.8	85.4	85.3	85.4	85.6	85.7	85.6	85.6	85.7
20	Col - II Vaccum in mm Hg	VP-2	-330	-320	-330	-320	-330	-340	-330	-330	-336	-344	-341	-329	-328	-336	-310	-293	-330	-325	-330	-325	-330	-334	-328	-326
21	Col - III vapor temp	TT-5	64.2	60.4	61.2	62.2	63.2	62.4	62.4	62.5	63.4	64.6	65.6	64.2	63.8	63.4	62.7	62.8	63.4	63.5	63.6	63.7	63.6	63.7	63.6	63.1
22	Col - III Vaccum in mm Hg	VP-3	-550	-545	-550	-545	-550	-545	-550	-550	-534	-536	-528	-534	-536	-528	-529	-524	-525	-528	-527	526	-527	527	-525	-541
23	CT -Inlet temp	TT-6	36.9	37.2	37.2	36.9	37.2	37.4	37.4	37.4	36.9	37.2	37.5	36.8	36.9	37.0	37.0	37.1	35.7	35.7	35.1	35.1	35.7	35.1	35.6	35.1
24	CT -outlet temp	TT-7	39.2	38.2	40.5	41.2	41.4	41.2	41.6	42.8	40.3	40.2	40.6	40.0	40.1	40.3	40.2	40.9	39.6	39.6	39.7	39.2	39.1	39.2	39.2	39.1
25	ATFD vapor temp	TT-8	86.4	84.2	85.1	84.1	84.2	83.9	84.2	84.5	83.6	83.8	83.7	83.7	84.4	83.9	82.7	82.6	82.0	81.9	81.7	81.8	81.7	81.8	81.7	80.8

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61562.0	61580.5	18.5	61580.5	61599.9	19.4	61598.5	61617.4	18.5	"C" shift — ATFD flow given.
MEE Feed totaliser	14546.5	14549.5	3.0	14549.5	14554.5	4.9	14554	14558	4.0	
MEE condensate totaliser	22484.0	22500.0	15.7	22499.7	22518.0	18.3	22518	22535	16.7	
MEE concentrate totaliser	11229.0	11232	3.0	11232.0	11235.0	3.0	11235	11038	3.0	
Shift Incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

Date: 19/07/2023

STRIPPER,MEE & ATFD LOG SHEET

Mylan

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.6	3.8	3.5	3.6	3.4	3.2	3.0	3.0	3.4	3.6			3.5	3.6	3.4	3.4	3.5	3.4	3.6	3.5	3.4	3.5	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.8	1.7	1.6	1.7	1.5	1.4	1.5	1.5	1.4	1.3			1.7	1.5	1.6	1.7	1.7	1.6	1.7	1.6	1.7	1.6	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4			2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.4	3.2	3.2	3.2	3.2	3.0	2.5	2.6	2.6	2.6			2.8	2.9	3.0	2.8	2.5	2.4	2.5	2.6	2.3	2.4	2.3
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7			0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	612	612	610	611	607	612	607	609	607	609	610			607	612	609	600	680	590	600	550	600	600	600
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.0	4.3	4.2	4.5	4.1	4.0	3.0	3.0	4.0	3.5			4.5	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32			0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70			70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.4	84.2	84.6	84.5	84.2	84.6	84.6	84.3	84.3	84.5	84.3			84.3	84.7	84.6	84.5	84.6	84.5	84.7	84.6	84.7	84.5	84.6
16	Stripper bottom	TT-2	84.4	84.3	84.5	84.3	84.4	84.7	84.2	83.8	84.3	84.2	84.3			84.8	84.5	84.7	84.6	84.7	84.2	84.3	84.2	84.6	84.5	84.5
17	Col - I Vapour temp	TT-3	91.4	90.8	90.6	91.7	90.7	91.6	91.4	92.3	91.8	92.2	91.9			90.8	91.2	89.7	89.5	89.6	89.5	89.4	89.7	89.6	89.6	89.8
18	Col - I Vaccum In mm Hg	VP-1	-116	-129	-124	-112	-107	-117	-118	-124	-118	-118	-121			-132	-129	-136	-136	-138	-139	-138	-138	-136	-137	-138
19	Col - II Vapour temp	TT-4	85.4	85.2	84.3	85.6	85.2	85.8	85.4	85.2	85.3	85.3	85.4			85.8	86.2	85.6	85.2	85.1	85.1	85.2	85.4	85.2	85.1	85.2
20	Col - II Vaccum In mm Hg	VP-2	-309	-326	-331	-321	-319	-326	-319	-324	-319	-321	-319			-324	-319	-321	-324	-325	-320	-318	-321	-318	-319	-320
21	Col - III vapor temp	TT-5	62.7	63.6	62.4	62.8	62.9	63.7	64.6	64.3	62.7	63.6	62.8			64.8	65.8	66.2	66.1	66.0	66.2	66.0	66.1	66.2	66.1	66.2
22	Col - III Vaccum In mm Hg	VP-3	-538	-540	-536	-525	-534	-536	-519	-513	-524	-531	-529			-526	-518	-524	-524	-526	-521	-520	-521	-521	-520	-518
23	CT -inlet temp	TT-6	36.8	36.8	37.1	37.4	35.2	34.8	34.8	34.8	34.7	37.0	37.2			35.8	35.6	36.0	36.0	36.1	35.8	35.8	35.4	35.4	35.2	35.4
24	CT -outlet temp	TT-7	39.8	40.0	40.1	40.3	39.9	39.6	38.7	38.6	38.5	40.0	40.1			39.4	39.2	39.5	39.8	39.6	39.2	39.4	39.2	38.1	38.4	39.2
25	ATFD vapor temp	TT-8	83.7	83.5	83.6	83.7	83.8	84.2	83.3	82.7	83.1	83.2	82.6			83.6	82.9	83.2	83.2	83.4	83.1	83.2	83.2	83.1	83.2	83.6

Stopped

Started

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61517.4	61635.8	78.4	61635.8	61653.2	17.4	61668.2	61668.2	17.0	17:00 to 18:30 Steam stopped in Boiler.
MEE Feed totaliser	14558.0	14562.0	4.0	14562.0	14566.8	4.8	14566.8	14570.0	4.0	
MEE condensate totaliser	22527.2	22543.6	16.4	22543.6	22560.0	16.4	22559.0	22575.0	15.5	
MEE concentrate totaliser	11238.0	11241.0	3.0	11241.0	11244.0	3.0	11244.0	11247.2		
Shift Incharge Sign										Verified By

SOP/EHS/ENV/U02/GEN/005/06/FT-01

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Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 20/07/23

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.1	3.1	3.2	3.1	3.0	3.1	3.0	3.1	3.2	3.0	3.1	3.0	3.1	3.2	3.0	3.1	3.5	3.4	3.6	3.5	3.6	3.6	3.5	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.0	1.1	1.2	1.1	1.2	1.9	1.4	1.5	1.3	1.4	1.4	1.4	1.5	1.5	1.4	1.8	1.7	1.7	1.6	1.5	1.6	1.7	1.7	1.6
3	Stripper Feed Rate	KL/Hr	2.5	2.5	2.4	2.4	2.4	2.0	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.8	2.9	2.8	2.8	2.8	2.8	2.9	2.8	2.9	2.8	2.7	2.8	2.9	2.8	2.9	2.8	2.9	3.1	3.0	3.2	3.2	3.1	3.2	3.0
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.9	2.9	2.7	2.10	210	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.1	0.7	0.7	0.6	6.1	0.7	0.1	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.4	2.4	2.2	2.2	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.2	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
10	MEE Vaccum	mmHg	600	610	600	600	610	600	605	610	608	610	608	605	605	600	606	606	607	609	610	609	610	609	607	607
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.0	4.5	4.0	4.0	4.8	4.8	5.0	4.0	4.0	5.0	4.5	4.5	4.1	4.5	4.8	4.0	3.2	3.5	3.8	4.0	4.2	4.5	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																									
15	Stripper top	TT-1	85.1	85.2	85.0	85.0	85.1	85.1	85.2	85.2	85.1	85.2	85.0	85.1	85.2	85.18	85.1	85.2	84.6	84.7	83.9	84.7	84.4	84.6	84.3	84.4
16	Stripper bottom	TT-2	91.2	94.1	94.2	94.8	94.7	94.4	94.0	94.2	94.5	94.6	94.8	94.1	94.2	94.3	94.4	94.6	94.4	94.8	94.1	94.6	94.2	94.1	94.0	94.3
17	Col - I Vapour temp	TT-3	91.2	91.3	91.4	91.3	91.4	91.3	91.4	91.3	91.2	91.3	91.4	91.6	91.6	91.7	91.5	91.1	91.7	90.6	91.3	91.4	94.6	91.8	90.0	89.7
18	Col - I Vaccum In mm Hg	VP-1	-116	-112	-112	-110	-112	-118	-117	-115	-113	-114	-113	-115	-116	-117	-116	-118	-119	-121	-115	-126	-125	-119	-121	-118
19	Col - II Vapour temp	TT-4	84.3	81.4	81.4	81.3	81.6	81.8	81.7	81.8	81.8	81.8	81.6	81.6	81.7	81.6	81.7	81.6	85.3	85.4	85.0	85.7	86.0	86.4	84.9	85.2
20	Col - II Vaccum In mm Hg	VP-2	-300	-306	-304	-302	-301	-310	-310	-308	-310	-306	-310	-300	-310	-310	-320	-300	-321	-319	-326	-311	-317	-301	-312	-321
21	Col - III vapor temp	TT-5	62.7	62.1	62.6	62.5	62.7	62.1	62.1	62.8	62.1	62.6	62.8	62.6	62.2	62.6	62.1	62.6	63.9	66.4	66.3	65.2	64.7	66.6	64.7	64.6
22	Col - III Vaccum In mm Hg	VP-3	-530	-530	-532	-535	-538	-531	-530	-530	-540	-532	-580	-520	-528	-528	-530	-532	-528	-536	-540	-534	-539	-524	-522	-521
23	CT -inlet temp	TT-6	36.8	35.8	35.2	35.7	35.4	35.8	35.1	35.1	35.7	35.6	35.1	35.4	35.2	35.2	35.1	35.2	38.7	39.0	38.8	38.7	38.6	38.5	37.8	37.3
24	CT -outlet temp	TT-7	39.1	39.1	39.2	39.2	39.1	39.1	39.2	39.1	39.0	39.1	39.0	39.0	39.1	39.2	39.0	39.2	42.0	42.2	41.8	41.7	41.8	41.8	40.9	40.6
25	ATFD vapor temp	TT-8	83.0	81.8	81.8	84.6	82.1	81.9	81.2	81.8	81.7	81.8	81.7	81.8	81.8	81.7	81.8	82.1	83.4	82.1	83.6	83.1	82.8	82.9	83.0	82.7

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	61668.2	61685.2	17.0	61685.2	61692.2	17.0	61692.2	61710.2	18.0
MEE Feed totaliser	14570	14573	3.0	14573	14574	3.0	14574.0	14579.5	5.0
MEE condensate totaliser	22575	22588	14	22588	22600	14.0	111253.0	11256.0	17.6
MEE concentrate totaliser	11247	11250	3.0	11250	11253	3.0	11253.0	11256.0	3.0
Shift incharge Sign	[signature]			[signature]			[signature]		

Remarks
'A' Shift :- ATFD Running Slow
'B' Shift :- ATFD Flow given

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By [signature]

Date: 21/07/2023.

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.6	3.5	3.8	3.5	3.6	3.5	3.4	3.6	3.4	3.5	3.4	3.4	3.4	3.5	3.4	3.4	3.5	3.5	3.5					
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.7	1.6	1.8	1.8	1.8	1.6	1.8	1.8	1.9	1.7	1.6	1.9	1.6	1.6	1.6	1.6	1.0	1.0					
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4					
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4					
5	MEE Steam Pressure	Kg/Cm²	3.3	3.2	3.4	3.2	3.3	3.2	3.2	3.3	3.3	3.2	3.3	3.3	3.2	3.3	3.2	3.2	3.3	3.1	3.1					
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0					
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7					
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	2.3	2.4	2.3	2.3	2.3					
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4					
10	MEE Vaccum	mmHg	612	609	607	612	609	613	609	602	610	610	610	610	610	610	610	610	610	610	610					
11	ATFD Steam Pressure	Kg/Cm²	4.0	3.0	3.5	3.8	4.0	4.3	4.1	4.2	4.1	4.2	4.1	4.2	4.1	4.1	4.0	4.0	4.0	4.0	4.0					
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4					
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32					
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70					
Temperature profile																										
15	Stripper top	TT-1	84.3	84.6	84.4	84.6	84.4	83.9	83.8	84.3	84.8	84.8	84.8	84.5	84.3	84.5	84.3	84.4	84.5	84.5	84.7					
16	Stripper bottom	TT-2	94.2	94.6	84.7	84.3	94.7	94.2	94.6	84.0	84.0	84.8	84.8	84.8	84.3	84.3	84.3	84.4	84.6	84.8	84.8					
17	Col - I Vapour temp	TT-3	89.8	88.6	89.6	88.3	88.8	87.4	88.9	89.4	89.4	89.6	89.4	89.7	89.5	85.4	89.4	84.8	84.8	84.6	84.6					
18	Col - I Vaccum In mm Hg	VP-1	-121	-120	-114	-119	-121	-119	-124	-121	-121	-124	-124	-121	-124	-126	-125	-126	-124	-124	-124					
19	Col - II Vapour temp	TT-4	84.3	84.1	84.6	84.0	84.2	84.1	84.1	84.0	84.0	84.5	84.6	84.5	84.5	84.6	84.5	84.5	84.6	84.0	84.0					
20	Col - II Vaccum In mm Hg	VP-2	-329	-353	-361	-359	-342	-392	-341	-356	-358	-354	-354	-350	-354	-350	-354	-354	-350	-350	-350					
21	Col - III vapor temp	TT-5	62.4	62.1	63.0	62.7	63.2	64.6	64.2	63.8	62.4	62.5	62.4	62.5	62.4	62.5	62.4	62.4	62.5	64.4	64.5					
22	Col - III Vaccum In mm Hg	VP-3	-524	-531	-529	-528	-531	-527	-536	-541	-541	-541	-542	-542	-541	-541	-541	-542	-542	-542	-542					
23	CT -inlet temp	TT-6	37.5	37.3	37.2	37.1	34.5	35.1	36.5	36.8	36.6	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4					
24	CT -outlet temp	TT-7	40.4	40.2	40.1	40.5	38.5	39.2	40.0	40.2	40.2	40.4	40.2	40.1	40.2	40.2	40.2	40.2	40.1	40.1	40.1					
25	ATFD vapor temp	TT-8	82.4	82.9	82.6	83.1	82.8	82.3	82.4	82.9	82.9	82.6	82.4	82.4	82.0	82.4	82.0	82.0	82.2	82.2	82.2					

SHIFT	A			B			C		
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total
Stripper Feed totaliser	61710.2	61728.7	18.2	61728.7	61746.7	18	61746.7	61756.7	10
MEE Feed totaliser	14579.5	14585.5	4.0	14583.5	14588	4.5	14585	14593	5.0
MEE condensate totaliser			16.2			16.5			
MEE concentrate totaliser	11256.0	11259.0	3.6	11259.0	11262	3.0	11261	11265	3.0
Shift Incharge Sign									

Remarks

* MEE plant stopped 3 hr due to feed Sump pot

Verified By

Date: 22.7.23

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.6	3.5	3.4	3.3	3.2	3.1	3.2	3.3	3.5	3.6	3.8	3.5	3.6	3.5	3.5	3.4	3.6	3.4	3.5	3.6	3.4	3.6	3.5	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.7	1.6	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.6	1.5	1.6	1.5	1.4	1.5	1.6	1.8	2.0	1.8	1.5	1.6	1.6	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.9	2.8	2.7	3.1	3.3	3.1	3.4	2.8	2.9	2.9	3.0	3.1	3.0	3.0	3.1	3.1	3.2	3.0	3.2	3.4	3.2	3.2	3.2	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.6	0.7	0.6	0.7	0.7	0.6	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.2	2.2	2.3	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.5
10	MEE Vacuum	mmHg	610	610	600	610	600	610	610	600	600	605	600	600	600	608	610	605	610	605	610	600	620	610	620	610
11	ATFD Steam Pressure	Kg/Cm²	4.2	4.1	4.2	4.1	4.2	4.1	4.7	4.8	5.0	4.5	4.6	4.6	4.6	4.0	4.5	5.0	4.8	5.0	5.0	4.8	5.0	5.2	5.5	5.2
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4
14	ATFD Salt	Kg/Hr	70	80	80	70	80	70	80	70	70	70	70	70	70	70	70	70	70	60	70	70	60	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.3	84.6	84.7	84.8	84.9	84.7	84.6	84.5	85.1	85.2	84.8	84.7	84.8	84.8	84.8	84.7	83.6	84.2	83.9	84.2	83.9	84.2	83.9	84.2
16	Stripper bottom	TT-2	93.6	94.1	94.2	94.1	93.7	94.6	94.7	94.8	94.7	94.8	94.7	94.7	94.8	94.5	94.6	94.7	94.1	95.1	94.2	95.1	94.2	95.1	94.2	95.1
17	Col - I Vapour temp	TT-3	89.8	89.7	89.6	89.1	89.6	89.9	89.4	89.5	89.4	89.3	89.9	85.0	84.9	89.1	89.2	89.3	90.2	89.2	89.1	89.0	88.9	89.2	89.0	89
18	Col - I Vacuum In mm Hg	VP-1	-121	-122	-121	-123	-124	-126	-127	-128	-128	-180	-127	-126	-128	-130	-125	-129	-115	-120	-115	-120	-125	-120	-120	-115
19	Col - II Vapour temp	TT-4	84.3	84.1	84.4	84.4	84.1	84.2	84.2	84.3	84.3	84.2	84.3	84.2	84.3	84.3	84.4	84.0	84.2	85.7	86.1	85.1	86.1	85.1	84.2	85.1
20	Col - II Vacuum In mm Hg	VP-2	-310	-321	-330	-320	-330	-310	-312	-316	-310	-310	-320	-320	-310	-305	-310	-320	-315	-320	-330	-320	-330	-320	-320	-330
21	Col - III vapor temp	TT-5	62.4	62.6	62.7	62.8	62.9	62.8	62.7	62.6	62.7	62.7	62.6	62.1	62.4	62.5	62.6	62.1	62.1	61.8	62.1	61.8	62.1	62.2	61.8	62.1
22	Col - III Vacuum In mm Hg	VP-3	-520	-530	-520	-530	-510	-510	-520	-520	-525	-528	-530	-528	-528	-530	-525	-520	-545	-550	-560	-555	-560	-555	-560	-550
23	CT -inlet temp	TT-6	37.5	37.3	37.2	37.3	37.1	37.2	37.1	37.2	36.6	36.5	36.2	36.1	36.2	35.1	35.1	35.0	34.5	35.9	36.0	35.4	35.6	35.2	36.0	36.2
24	CT -outlet temp	TT-7	41.0	40.8	40.7	40.8	40.9	40.8	40.9	40.8	40.0	40.1	40.1	40.2	40.7	40.0	40.0	39.5	39.7	41.2	41.2	42.1	41.5	41.2	41.5	41.2
25	ATFD vapor temp	TT-8	82.4	82.6	82.7	83.1	83.2	82.8	83.1	82.7	82.8	82.7	82.6	82.2	82.7	82.0	81.7	81.6	83.0	82.5	83.1	82.5	83.1	83.0	82.5	83.1

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	61756.7	61673.7	17	61672.7	~~61698.7~~ 61688.7	16.0	61785.3	61802.3	17.0
MEE Feed totaliser	14593	14597	04	14596	14596	4.0	14596.0	14599.5	3.5
MEE condensate totaliser	—	—	15.2		22701	14.2	22700.0	22715.0	15.0
MEE concentrate totaliser	11265	11268	03	11268	11271	3.0	11271.0	11274.0	3.0
Shift incharge Sign	K. Reddy			[signature]			[signature]		

Remarks: "C" Shift: — ATFD Flow given. ⇒ ATFD washing [illegible]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By [signature]

Date: 23/07/2023.

Mylan

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.2	3.8	3.6	3.5	3.6	3.6	3.5	3.6	3.5	3.6	3.5	3.4	3.5	3.4	3.3	3.6	3.5	3.6	3.5	3.6	3.4	3.6	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.8	1.4	1.6	1.7	1.8	1.6	1.4	1.5	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.7	1.5	1.6	1.6	1.5	1.5	1.6	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.0	2.3	2.4	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.3	2.8	3.6	3.4	3.5	3.2	3.2	3.2	3.2	3.1	3.2	3.8	3.2	3.2	3.1	3.2	3.4	3.2	3.4	3.2	3.4	3.2	3.2	3.3
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5
10	MEE Vaccum	mmHg	602	601	604	602	603	609	600	610	604	600	605	600	608	610	605	610	600	610	605	605	610	600	610	600
11	ATFD Steam Pressure	Kg/Cm²	3.5	4.2	4.5	4.0	3.0	4.0	4.0	4.0	4.0	4.5	5.0	4.0	4.0	3.5	4.5	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5
13	ATFD Condeosate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.22	0.25	0.32	0.32	0.32	0.32	0.25	0.32	0.32	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.6	84.2	84.5	84.3	84.4	84.3	84.2	84.1	84.2	84.1	84.3	84.2	84.3	84.4	84.1	84.2	85.1	84.2	85.1	84.2	84.1	85.9	84.2	84.1
16	Stripper bottom	TT-2	94.2	94.6	94.3	94.2	94.6	94.3	94.3	94.2	94.1	94.1	94.2	94.1	94.2	94.1	94.1	94.2	94.2	95.1	94.2	95.1	94.1	95.1	94.2	94.1
17	Col - I Vapour temp	TT-3	91.2	90.9	91.4	92.2	92.4	92.6	92.6	92.7	92.8	92.8	92.7	92.7	92.6	92.7	92.1	92.1	95.4	94.2	95.1	94.2	95.1	95.0	95.1	94.8
18	Col - I Vaccum in mm Hg	VP-1	-111	-112	-115	-110	-112	-119	-118	-119	-120	-110	-115	-120	-114	-120	-117	-114	-115	-120	-120	-115	-120	-115	-120	-125
19	Col - II Vapour temp	TT-4	86.2	85.1	86.3	86.2	86.4	86.3	86.2	86.1	86.2	86.1	86.2	86.1	86.2	86.3	86.1	86.2	86.4	85.9	86.2	86.6	86.2	85.9	86.1	86.2
20.	Col - II Vaccum in mm Hg	VP-2	-324	-316	-319	-317	-319	-321	-320	-321	-320	-300	-310	-315	-320	-310	-305	-310	-300	-315	-300	-330	-320	-350	-330	-330
21	Col - III vapor temp	TT-5	64.8	66.2	69.1	66.4	66.8	66.7	668	669	667	66.7	666	667	66.2	66.8	66.4	66.4	66.4	65.2	62.1	65.1	64.2	64.1	63.8	64.1
22	Col - III Vaccum in mm Hg	VP-3	-536	-524	-532	-529	-540	-529	-530	-521	-530	-530	-520	-525	-580	-525	-525	-520	-550	-550	-505	-550	-500	-500	-550	-560
23	CT -Inlet temp	TT-6	36.2	36.4	36.8	39.0	39.3	37.5	37.2	37.1	37.6	37.8	37.9	37.6	37.9	37.8	37.0	37.3	36.9	37.6	36.9	37.2	36.9	36.5	36.7	36.6
24	CT -outlet temp	TT-7	38.5	39.7	39.2	40.1	40.3	40.5	40.6	40.2	40.8	40.6	40.7	40.8	40.7	40.8	40.5	40.7	41.2	42.2	42.4	42.5	43.0	43.2	44.1	43.6
25	ATFD vapor temp	TT-8	84.9	83.1	83.2	83.6	84.3	84.6	84.7	84.8	84.6	82.9	82.8	82.9	82.7	82.9	82.8	82.1	83.2	83.4	83.2	82.4	83.4	83.9	83.1	83.2

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61832.3	61818.3	16.0	61818.3	61832.8	15.5	61832.8	61849.3	16.5	"B" Shift :- ATFD Flushing given.
MEE Feed totaliser	145995	146025	3.0	146025	146055	2.5	146050	146080	3.0	
MEE condensate totaliser	22715	22729	14	22729	22747	12.5	22747	22758	14.0	C => ATFD Washing given
MEE concentrate totaliser	11274	11276.5	2.5	11276.5	11279.5	3.0	11279.5	11282.5	3.0	
Shift Incharge Sign										Verified By

SOP/EHS/ENV/U02/GEN/005/04/FT-01

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Mylan

STRIPPER/MEE & ATFD LOG SHEET

Date: 24/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²																								
2	Stripper Steam Pressure	Kg/Cm²																								
3	Stripper Feed Rate	KL/Hr																								
4	Stripper Distillate Qty.	KL/Hr																								
5	MEE Steam Pressure	Kg/Cm²																								
6	MEE Feed Rate (Stripper Bottom)	KL/Hr																								
7	MEE Feed Rate (RO Rejects)	KL/Hr																								
8	MEE Condensate	KL/Hr																								
9	MEE Concentrate	KL/Hr																								
10	MEE Vaccum	mmHg																								
11	ATFD Steam Pressure	Kg/Cm²																								
12	ATFD Feed Rate	KL/Hr																								
13	ATFD Condensate	KL/Hr																								
14	ATFD Salt	Kg/Hr																								
Temperature profile																										
15	Stripper top	TT - 1																								
16	Stripper bottom	TT - 2																								
17	Cal - I Vapour temp	TT - 3																								
18	Cal - I Vaccum In mm Hg	VP - 1																								
19	Cal - II Vapour temp	TT - 4																								
20	Cal - II Vaccum In mm Hg	VP - 2																								
21	Cal - III vapor temp	TT - 5																								
22	Cal - III Vaccum In mm Hg	VP-3																								
23	CT -Inlet temp	TT - 6																								
24	CT -outlet temp	TT - 7																								
25	ATFD vapor temp	TT - 8																								

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser										
MEE Feed totaliser										
MEE condensate totaliser										
MEE concentrate totaliser										
Shift incharge Sign										

Verified By

Date: 25/07/2023

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²												2.5	2.8	2.6	2.8	2.7	2.6	2.7	2.6	2.8	2.6	2.8	2.8	2.7
2	Stripper Steam Pressure	Kg/Cm²												1.5	1.6	1.7	1.8	1.7	1.6	1.5	1.6	1.8	1.6	1.6	1.6	1.7
3	Stripper Feed Rate	KL/Hr												2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr												0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²												2.2	2.4	2.2	2.4	2.2	2.4	2.5	2.4	2.7	2.5	2.6	2.6	2.5
6	MEE Feed Rate (Stripper Bottom)	KL/Hr												2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr												0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr												2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr												0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg												615	615	620	615	612	612	611	609	611	610	609	614	612
11	ATFD Steam Pressure	Kg/Cm²												3.0	3.4	3.5	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0
12	ATFD Feed Rate	KL/Hr												0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr												0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr												70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1												84.8	84.7	84.6	84.2	84.4	84.3	84.4	84.3	84.2	84.6	84.3	84.3	83.6
16	Stripper bottom	TT-2												94.7	94.2	94.8	94.2	94.3	94.1	94.2	94.3	94.3	94.2	94.4	94.8	94.3
17	Cal-I Vapour temp	TT-3												85.4	89.2	86.3	88.8	89.2	88.7	88.2	88.4	88.6	88.3	89.7	90.2	89.6
18	Cal-I Vacuum in mm Hg	VP-1												-129	-156	-131	-126	-128	-121	-126	-124	-116	-124	-122	-124	-121
19	Cal-II Vapour temp	TT-4												83.8	84.2	83.8	84.2	85.0	84.7	84.3	84.7	84.6	84.3	84.4	85.2	84.4
20	Cal-II Vacuum in mm Hg	VP-2												-317	-321	-314	-314	-321	-312	-324	-321	-317	-326	-318	-314	-312
21	Cal-III vapor temp	TT-5												62.4	62.2	62.1	64.1	63.6	62.4	62.6	62.5	63.4	62.6	63.7	63.1	62.6
22	Cal-III Vacuum in mm Hg	VP-3												-529	-524	-531	-535	-536	-531	-530	-535	-534	-536	-534	-539	-534
23	CT -inlet temp	TT-6												32.1	32.3	32.4	35.4	35.5	35.3	35.1	35.0	35.4	35.7	36.0	36.2	36.5
24	CT -outlet temp	TT-7												37.6	38.0	38.1	38.2	38.3	39.7	39.5	39.3	39.2	39.5	39.9	39.8	39.7
25	ATFD vapor temp	TT-8												83.6	83.2	82.9	82.9	83.2	83.2	84.1	83.8	83.4	83.6	83.4	83.6	83.1

System started at 17:00 following approvals

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	61849.3			61849.3	61861.3	12.0	61861.3			System started at: 17:00
MEE Feed totaliser	14608.0			14608	14610.0	2.0	14610.0			
MEE condensate totaliser	22758.0			22758.0	22768.5	10.5	22768.5			
MEE concentrate totaliser	11282.5			11282.5	11284.0	1.5	11284.0			
Shift incharge Sign										

SOP/EHS/ENV/U02/GEN/005/04/FT-01

Verified By

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 26/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00
1	Steam on Header	Kg/Cm²	3.4	3.5	3.6	3.4	3.2	3.4	3.2	3.4	3.6	3.6	3.5	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.4	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.4	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.5	2.4	2.4	2.5	2.4	2.4	2.4	2.5	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.3	3.2	3.2	3.0	3.2	3.0	3.2	3.4	3.2	3.2	3.1
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.1	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.3	2.2
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.5
10	MEE Vacuum	mmHg	610	590	600	585	600	600	585	585	610	605	610	615
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.8	5.0	4.8	5.0	4.8	5.0	5.0	4.5	5.0	4.8	5.0
12	ATFD Feed Rate	KL/Hr	0.7	0.5	0.7	0.5	0.5	0.7	0.5	0.4	0.4	0.5	0.4	0.5
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.4	0.3	0.4
14	ATFD Salt	Kg/Hr	70	60	70	70	70	60	70	70	70	60	60	70
Temperature profile														
15	Stripper top	TT-1	85.1	84.2	85.1	84.2	85.1	84.2	84.0	85.1	84.2	85.1	84.2	85.1
16	Stripper bottom	TT-2	94.2	95.1	94.2	95.1	94.2	95.1	94.2	94.2	94.2	95.1	94.2	95.1
17	Col - I Vapour temp	TT-3	86.1	86.4	87.0	86.9	87.1	85.1	87.2	86.9	86.0	87.0	86.9	87.1
18	Col - I Vacuum In mm Hg	VP-1	-120	-115	-120	-120	-115	-120	-115	-120	-115	-120	-115	-120
19	Col - II Vapour temp	TT-4	84.2	82.1	84.1	84.0	83.2	84.1	84.2	84.1	82.4	83.0	82.1	82.4
20	Col - II Vacuum In mm Hg	VP-2	-315	-320	-315	-320	-315	-320	-320	-320	-350	-330	-350	-340
21	Col - III vapor temp	TT-5	62.1	61.8	62.2	61.5	62.2	61.8	62.2	62.4	61.2	62.2	61.8	62.2
22	Col - III Vacuum In mm Hg	VP-3	-540	-530	-540	-550	-555	-545	-560	-550	-560	-550	-560	-550
23	CT-inlet temp	TT-6	36.5	37.0	36.5	36.6	36.4	36.8	36.7	36.7	36.4	37.0	36.9	37.1
24	CT-outlet temp	TT-7	44.2	44.0	42.2	41.5	42.2	41.8	42.1	42.2	42.1	41.5	42.2	42.4
25	ATFD vapor temp	TT-8	81.2	82.1	81.8	83.0	82.2	81.9	83.2	82.4	81.8	82.1	83.1	82.8

Sl.No	Time		18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.6	3.4	3.6	3.4	3.2	3.3	3.3	3.4	3.3	3.4	3.2	3.3
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.4	1.5	1.6	1.3	1.4	1.5	1.4	1.5	1.4	1.5	1.4
3	Stripper Feed Rate	KL/Hr	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.0	3.2	3.2	3.2	3.3	3.2	3.1	3.2	3.3	3.2	3.3
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	610	615	610	610	610	610	600	610	600	600	610	600
11	ATFD Steam Pressure	Kg/Cm²	5.0	4.8	5.0	5.0	4.7	4.8	4.9	4.8	4.7	4.8	4.7	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.4	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile														
15	Stripper top	TT-1	84.2	85.1	84.2	85.1	84.7	84.8	84.6	84.7	84.8	84.7	84.8	84.7
16	Stripper bottom	TT-2	94.5	95.1	94.2	95.1	93.7	94.1	94.1	94.4	94.1	94.1	94.1	94.2
17	Col - I Vapour temp	TT-3	86.8	87.1	86.8	87.0	86.9	87.1	86.8	86.9	86.8	86.7	86.4	86.6
18	Col - I Vacuum In mm Hg	VP-1	-115	-120	-150	-145	-141	-142	-141	-142	-145	-146	-147	-148
19	Col - II Vapour temp	TT-4	81.8	82.1	82.2	82.1	82.1	82.1	82.2	82.3	82.1	82.4	82.6	82.7
20	Col - II Vacuum In mm Hg	VP-2	-350	-340	-350	-350	-331	-331	-341	-342	-341	-351	-352	-350
21	Col - III vapor temp	TT-5	61.8	62.1	62.1	61.5	61.8	61.7	61.8	61.7	61.7	61.8	61.6	61.7
22	Col - III Vacuum In mm Hg	VP-3	-560	-570	-560	-555	-550	-560	-570	-540	-550	-560	-540	-543
23	CT-inlet temp	TT-6	37.2	36.9	37.1	37.2	37.1	37.1	37.2	37.1	37.1	37.4	37.3	37.3
24	CT-outlet temp	TT-7	42.1	42.4	42.4	42.4	42.4	42.6	42.7	42.8	42.9	42.8	42.7	42.1
25	ATFD vapor temp	TT-8	83.1	82.8	83.1	82.8	83.1	83.3	83.4	83.6	83.7	82.8	83.9	84.1

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	61880.3	61898.5	18.2	61898.5	61917.0	18.5	61917		
MEE Feed totaliser	14613.5	14616.5	3.0	14616.5	14619.5	5.0	14619.5		
MEE condensate totaliser	22797.0	22814.4	17.4	22814.4	22832.0	17.5	22832		
MEE concentrate totaliser	11287.0	11290.1	3.0	11290.1	11293.3	3.2	11293.3		
Shift Incharge Sign		[signature]			[signature]				

Remarks
A => ATFD Washing done
B => ATFD NaOH Cleaning done

SOP/EHS/ENV/002/GEN/005/06/FT-01

Verified By [signature]

Date: 27.07.23

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.1	3.2	3.4	3.3	3.2	3.3	3.4	3.5	3.4	3.6	3.4	3.5	3.6	3.4	3.6	3.4	3.6	3.4	3.6	3.6	3.4	3.4	3.6	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.3	1.2	1.3	1.4	1.5	1.4	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.4	1.3	1.4	1.4	1.3	1.4	1.4	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.1	2.4	2.4	2.4	2.1	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.0	2.9	2.9	3.0	3.1	2.9	2.8	2.9	3.2	3.4	3.2	3.2	3.4	3.2	3.4	3.2	3.4	3.2	3.4	3.4	3.2	3.2	3.4	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.4
10	MEE Vaccum	mmHg	600	600	590	600	600	600	590	590	600	580	580	600	600	590	600	600	590	600	600	595	600	600	600	600
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.5	4.5	4	4.0	5.0	5.0	4.5	4.6	4.5	5.0	5.0	4.5	5.0	5.0	4.8	4.8	5.0	5.2	5.0	5.2	5.0	5.0	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85.1	85.0	85.1	85.2	85.1	85.2	85.3	85.1	84.2	83.2	84.1	83.2	84.1	83.2	84.1	83.1	84.1	83.5	84.1	83.1	83.9	86.1	86.2	86.0
16	Stripper bottom	TT-2	95.1	95.0	95.2	95.0	95.1	95.2	95.2	95.1	94.2	95.1	96.2	96.2	94.2	95.1	96.2	95.1	96.2	95.1	96.2	95.1	96.2	95.7	96.2	96.2
17	Col - I Vapour temp	TT-3	86.0	86.1	86.2	86.0	86.1	86.2	86.2	86.0	86.4	87.1	87.0	87.2	86.9	87.1	86.9	87.1	86.9	87.0	86.1	87.1	86.5	87.1	87.1	86.1
18	Col - I Vaccum In mm Hg	VP-1	-125	-120	-122	-124	-130	-128	-125	-124	-115	-125	-115	-130	-130	-115	-130	-132	-130	-115	-120	-130	-130	-115	-130	-130
19	Col - II Vapour temp	TT-4	84.3	84.1	84.2	84.2	84.1	84.2	84.2	84.2	84.2	83.9	84.0	84.1	83.1	83.8	83.1	82.8	82.1	81.8	82.1	82.4	81.2	82.1	82.0	81.8
20	Col - II Vaccum In mm Hg	VP-2	-320	-310	-315	-300	-305	-310	-310	-310	-350	-340	-350	-350	-350	-360	-350	-360	-350	-360	-350	-360	-350	-360	-360	-350
21	Col - III vapor temp	TT-5	82.0	82.1	82.2	82.3	82.3	82.4	82.5	82.2	82.1	82.2	82.2	82.4	82.1	81.8	82.1	82.4	82.1	81.8	82.1	81.8	81.9	82.1	81.8	82.1
22	Col - III Vaccum In mm Hg	VP-3	-570	-560	-565	-570	-570	-580	-580	-580	-550	-540	-550	-550	-550	-560	-550	-560	-550	-560	-560	-560	-550	-560	-560	-560
23	CT -Inlet temp	TT-6	35.1	35.2	35.2	35.1	35.2	35.2	35.2	35.1	36.4	36.9	36.4	36.9	36.2	36.9	36.4	36.5	36.1	36.1	36.2	36.5	35.3	36.2	36.2	36.1
24	CT -outlet temp	TT-7	39.5	39.6	39.6	39.4	39.5	39.6	39.6	39.7	42.1	41.9	42.2	42.1	42.1	41.8	42.1	42.1	42.2	40.9	41.2	42.1	41.8	42.2	41.8	42.2
25	ATFD vapor temp	TT-8	82.5	82.6	82.6	82.1	82.2	82.2	82.0	82.2	83.2	83.9	83.1	82.3	81.8	82.1	82.0	81.8	82.1	81.8	82.1	81.9	82.1	82.1	81.8	82.2

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	61934	61950.4	16.4	61950.4	61968.0	17.6	61968.0	61987.5	19.5	A Shift :- ATFD Run
MEE Feed totaliser	14622.5	14634.6	4.0	14634.6	14627.0	5.0	14627.0	14627.6	4.0	started.
MEE condensate totaliser	22849	22863	14.6	22863.0	22880.0	17.0	22880.0	22900.0	19.0	B ⇒ ATFD Washing started.
MEE concentrate totaliser	11296.3	11299.3	3.0	11299.3	11302.3	3.0	11302.3		3.0	
Shift incharge Sign										Verified By

SOP/EHS/ENV/U02/GEN/005/04/FT-01

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 28/07/23

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.3	3.4	3.5	3.4	3.3	3.2	3.3	3.2	3.1	3.2	3.3	3.3	3.2	3.4	3.3	3.2	3.2	3.3	3.0	3.4	3.2	3.4	3.3	3.5
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.4	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.5	1.7	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.6	2.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
5	MEE Steam Pressure	Kg/Cm²	2.6	2.7	2.9	2.8	3.0	2.9	2.8	2.9	2.8	2.9	2.8	2.8	2.8	2.7	2.7	2.8	2.8	2.7	2.5	2.4	2.6	2.4	2.4	2.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	600	600	600	590	600	605	600	600	605	600	605	610	600	600	605	612	617	612	615	617	614	612	617
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.5	5.0	4.0	4.5	4.9	4.5	4.5	4.0	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85.1	85.2	85.1	85.4	85.6	85.7	85.1	85.2	85.1	85.2	85.2	85.1	85.2	85.1	85.0	85.1	84.7	84.4	84.6	84.3	84.7	84.4	84.6	84.7
16	Stripper bottom	TT-2	95.0	95.1	95.1	95.2	95.1	95.1	95.1	95.2	95.1	95.2	95.3	95.1	95.2	95.1	95.0	94.6	94.3	94.3	94.2	94.6	94.5	94.6	94.6	94.7
17	Col - I Vapour temp	TT-3	86.0	86.1	85.5	85.1	85.6	85.7	85.6	85.7	85.6	85.7	85.5	85.2	85.2	85.1	85.1	85.0	88.0	87.6	87.1	90.2	90.5	90.7	90.2	90.7
18	Col - I Vaccum In mm Hg	VP-1	-128	-130	-129	-127	-127	-129	-130	-130	-130	-135	-130	-125	-130	-125	-128	-127	-178	-184	-179	-180	-152	-129	-133	-137
19	Col - II Vapour temp	TT-4	84.9	84.2	84.6	84.6	84.1	84.6	84.7	84.6	84.6	84.2	84.6	84.6	84.2	84.5	84.6	84.7	84.7	84.2	84.0	85.0	85.1	85.2	85.7	85.2
20	Col - II Vaccum In mm Hg	VP-2	-300	-300	-300	-305	-300	-310	-300	-310	-300	-328	-305	-300	-250	-310	-340	-300	-326	-329	-326	-300	-280	-235	-267	-278
21	Col - III vapor temp	TT-5	82.1	82.4	82.2	82.6	82.5	82.6	82.2	82.8	82.8	82.9	82.8	82.8	82.9	82.8	82.8	82.9	60.1	60.4	60.1	60.1	60.2	60.3	60.2	60.4
22	Col - III Vaccum In mm Hg	VP-3	-570	-570	-580	-550	-570	-570	-520	-525	-570	-525	-516	-580	-580	-580	-520	-580	-567	-564	-559	-560	-555	-551	-551	-554
23	CT -Inlet temp	TT-6	35.7	35.1	35.6	35.7	35.4	35.1	35.7	35.6	35.6	35.1	35.6	35.6	35.4	35.6	35.1	35.6	36.9	36.0	36.9	36.5	36.2	36.6	36.1	36.2
24	CT -outlet temp	TT-7	39.5	39.6	39.6	39.1	39.6	39.7	39.2	39.6	39.6	39.2	39.6	39.6	39.6	39.6	38.6	38.6	39.3	40.3	40.3	40.6	40.3	39.9	40.1	39.8
25	ATFD vapor temp	TT-8	83.1	83.1	83.2	83.3	83.1	83.1	83.2	83.2	83.4	83.2	83.2	83.1	83.2	83.1	83.1	83.4	83.9	83.8	83.1	83.8	83.6	82.7	83.6	83.7

SHIFT	A			B			C		
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total
Stripper Feed totaliser	619855	620025	17.0	620025	620195	17.0	620195	620377	18.2
MEE Feed totaliser	14627.6	14628.7	3.2	14628.7	14631	3.2	14630.6	14633.7	3.7
MEE condensate totaliser	22900.9	22913.0	15.4	22913.0	32928	14.4	22943.1	22959	15.9
MEE concentrate totaliser	11305.3	11308.3	3.0	11308.3	11311.3	3.0	11311.3	11314.3	3.0
Shift incharge Sign									

Remarks

"A" Shift :- ATFD Flushing

"B" Shift :- ATFD Flushing

SOP/EHS/ENV/U02/GEN/005/04/FT-01

Verified By

72

Mylan

Date: 29.07.23

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.3	3.2	3.3	3.4	3.3	3.2	3.3	3.2	3.4	3.3	3.4	3.5	3.6	3.6	3.7	3.6	3.4	3.6	3.4	3.6	3.4	3.4	3.0	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.6	1.5	1.4	1.5	1.6	1.6	1.5	1.4	1.5	1.4	1.4	1.4	1.2	1.4	1.4	1.2
3	Stripper Feed Rate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.7	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.3	3.2	3.3	3.2	3.3	3.2	3.3	3.3	3.4	3.3	3.2	3.3	3.1	3.2	3.2	3.2	3.4	3.2	3.4	3.2	3.2	3.0	3.0
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.7	0.7
8	MEE Condensate	KL/Hr	2.0	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.7	0.5	0.5
10	MEE Vacuum	mmHg	610	600	610	600	610	600	610	600	600	605	610	600	605	600	605	600	580	600	600	610	580	600	600	595
11	ATFD Steam Pressure	Kg/Cm²	5.1	4.7	5.1	5.2	5.3	4.8	5.1	5.2	4.5	4.0	5.0	4.5	4.6	4.5	4.6	4.5	4.6	4.8	4.8	4.8	5.0	5.0	4.8	5.2
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4
13	ATFD Condensate	KL/Hr	0.32	0.33	0.32	0.33	0.32	0.33	0.32	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.1	84.3	84.2	84.5	84.3	84.3	84.1	84.1	84.1	85.2	85.3	85.0	85.1	85.1	85.2	85.1	84.2	83.2	84.1	83.6	84.2	85.1	84.2	84.2
16	Stripper bottom	TT-2	93.1	94.1	93.6	94.1	93.7	94.1	93.8	94.7	94.1	94.2	94.2	94.2	94.1	94.1	94.2	94.3	94.2	95.1	94.2	94.2	93.6	94.2	95.1	94.2
17	Col - I Vapour temp	TT-3	86.1	86.2	86.1	86.2	86.1	86.2	86.1	86.2	86.1	86.2	86.2	86.2	86.2	86.1	86.2	86.3	86.2	84.8	85.1	86.1	85.9	86.2	85.9	86.1
18	Col - I Vaccum in mm Hg	VP-1	-122	-118	-124	-126	-127	-128	-119	-126	-130	-130	-120	-125	-126	-125	-127	-126	-115	-120	-115	-120	-115	-120	-120	-115
19	Col - II Vapour temp	TT-4	84.1	84.2	84.1	84.2	84.1	84.1	84.2	84.1	84.1	84.2	84.2	84.3	84.3	84.4	84.4	84.0	84.1	83.2	82.1	84.1	83.2	82.5	83.1	82.5
20	Col - II Vaccum in mm Hg	VP-2	-310	-312	-313	-312	-310	-311	-314	-316	-300	-320	-310	-320	-310	-300	305	-300	-330	-320	-350	-330	-350	-350	-350	-350
21	Col - III vapor temp	TT-5	64.1	64.3	64.1	64.2	64.7	64.2	64.1	63.2	64.1	64.2	64.2	64.3	64.7	64.6	64.6	64.7	62.2	61.8	62.2	61.2	62.2	62.0	61.8	62.2
22	Col - III Vaccum in mm Hg	VP-3	-570	-511	-520	-511	-520	-540	-526	-520	-560	-550	-580	-520	-550	-580	-520	-580	-550	-570	-550	-550	-565	-550	-560	-550
23	CT-inlet temp	TT-6	36.1	36.2	36.1	36.2	36.1	36.1	36.2	36.1	36.0	36.1	36.1	36.0	36.1	36.1	36.0	36.1	36.0	36.2	36.2	36.4	36.2	36.1	36.2	36.4
24	CT-outlet temp	TT-7	39.9	39.7	39.8	39.7	39.8	39.7	39.6	39.7	39.7	39.7	39.6	39.6	39.6	40.0	40.1	40.0	41.2	40.9	41.2	41.2	42.1	41.8	42.2	42.2
25	ATFD vapor temp	TT-8	81.2	81.4	81.6	81.7	81.8	81.9	81.8	81.7	81.4	81.5	81.4	81.5	81.6	81.7	83.0	82.9	83.9	82.4	82.1	83.1	82.2	81.8	82.2	82.4

SHIFT	A			B			C		
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total
Stripper Feed totaliser	62037.7	62054.7	17.0	62054.7	62071.7	17.0	62071.7	62089.7	18.0
MEE Feed totaliser	14633.7	14636	2.3	14636	14638	3.0	14638.0	14641.5	5.0
MEE condensate totaliser	22959	22972	13.0	22972	22985	13.0	22985.0	23002.6	17.7
MEE concentrate totaliser	11314.3	11317.3	3.0	11317.3	11320.3	3.0	11320.3	11323.5	3.2
Shift incharge Sign									

Remarks: [illegible] ATFD Flush

Verified By

SOP/EHS/ENV/U02/GEN/005/04/FT-01

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 30/07/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.6	3.4	3.6	3.4	3.6	3.4	3.6	3.5	3.4	3.6	3.5	3.6	3.5	3.5	3.4	3	3.5	3.4	3.8	8.2	3.1	3.2	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.4	1.6	1.5	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.4	1.5	16	15	16	15	1.4	1.5	1.4	1.5	1.5	1.4	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.4	2.7
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.0	3.4	3.2	3.4	3.2	3.4	3.2	3.4	32	31	32	32	3.1	32	3.1	32	31	3.2	3.1	3.2	3.2	3.2	3.1	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.7	0.6	0.7	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.3	2.2	2.1	2.2	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	610	602	605	610	605	606	608	610	610	610	600	600	610	612	602	600	603	600	600	600	600	600	605	600
11	ATFD Steam Pressure	Kg/Cm²	4.5	5.0	5.2	5.0	4.8	5.2	5.0	5.0	5.0	4.0	4.0	5.0	4.0	4.0	3.0	4.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.4	0.37	0.32	0.42	0.32	0.42	0.32	0.32	0.32	0.42	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	80	80	80	80	80	60	80	80	60	60	60	60	60	60	65	60
	Temperature profile																									
15	Stripper top	TT-1	83.2	82.1	83.2	84.1	83.2	84.1	84.1	84.2	84.1	84.2	84.6	84.3	84.2	83.8	83.5	84.1	84.8	85.6	85.2	85.2	85.1	85.6	85.2	85.0
16	Stripper bottom	TT-2	96.2	95.1	96.2	95.1	96.2	95.1	96.1	95.2	95.1	95.2	95.0	95.1	95.2	95.1	95.2	95.1	95.5	95.1	95.2	95.2	95.2	95.1	95.2	95.7
17	Col - I Vapour temp	TT-3	86.2	87.0	86.8	87.2	86.8	87.0	86.8	86.4	86.3	86.4	86.3	86.2	86.1	86.2	86.1	86.2	86.2	86.0	85.2	85.1	85.0	85.0	85.1	85.0
18	Col - I Vaccum In mm Hg	VP-1	-118	-120	-130	-115	-120	-130	-130	-120	-118	-119	-120	-119	-118	-119	-118	-119	-118	-112	-118	-120	-130	-130	-126	-130
19	Col - II Vapour temp	TT-4	82.4	83.1	82.4	84.0	81.2	82.0	82.1	81.6	82.9	82.3	82.4	82.1	82.4	82.6	82.8	82.8	82.9	83.0	82.9	82.7	82.8	82.8	82.9	82.7
20	Col - II Vaccum In mm Hg	VP-2	-315	-320	-330	-320	-315	-320	-320	-330	-320	-321	-330	-321	-321	-321	-320	-319	-320	-326	-328	-328	-328	-322	-322	-322
21	Col - III vapor temp	TT-5	62.1	63.1	62.8	63.1	62.8	63.1	62.8	63.1	62.1	62.4	62.6	62.1	62.3	62.1	62.8	62.6	62.2	62.2	62.8	62.8	62.1	62.2	62.8	62.1
22	Col - III Vaccum In mm Hg	VP-3	-550	-560	-550	-560	-560	-550	-560	-560	-560	-551	-552	-558	-559	-550	-538	-542	-548	-328	-328	-326	-324	-320	-324	-324
23	CT -Inlet temp	TT-6	36.2	35.9	36.2	36.4	36.2	36.1	36.4	36.8	36.1	36.2	36.1	36.2	36.3	36.2	36.1	36.2	36.2	35.1	35	35.0	35.1	35	35.0	35.0
24	CT -outlet temp	TT-7	41.2	42.1	42.1	41.5	42.2	42.1	42.4	42.9	42.8	42.1	42.8	42.9	42.8	42.9	42.9	42.8	42.0	41.9	41.0	41.9	41.8	41.2	41.8	41.7
25	ATFD vapor temp	TT-3	83.1	82.1	81.8	82.1	81.5	82.1	82.1	81.8	81.1	81.7	81.4	81.3	81.2	81.6	81.2	81.4	81.3	82.8	82.2	82.6	82.9	82.8	82.1	82.8

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62089.7	62107.7	18.0	62107.7	62123.7	16	62123.7	62140.7	17
MEE Feed totaliser	14641.2	14646.2	5.0	14644.2	14646.2	5	14646.2	14648.4	5.0
MEE condensate totaliser	23006.6	23020.3	17.7	23020.3	23031.3	15.2	23031.3	23034.7	16.2
MEE concentrate totaliser	11323.5	11326.5	3.0	11326.5	11329.5	3	11329.5	11332.3	3.0
Shift Incharge Sign	[signature]			[signature]			[signature]		

Remarks:
A → ATFD Washing given
B → ATFD Running given
C → ATFD Feeding given

Verified By [signature]

Date: 31/07/2023.

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.3	3.5	3.4	3.5	3.6	3.4	3.4	3.2	3.5	3.6	3.4	3.6	3.5	3.6	3.7	3.5	3.3	3.5	3.3	3.8	3.7	3.5	3.5	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.8	1.6	1.7	1.7	1.6	1.6	1.7	1.8	1.6	1.6	1.7	1.6	1.7	1.6	1.5	1.5	1.6	1.5	1.5	1.6	1.6	1.6	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.1	3.2	3.3	3.3	3.2	3.4	3.2	3.1	3.3	3.5	3.2	3.3	3.3	3.4	3.5	3.4	3.4	3.4	3.4	3.4	3.1	3.2	3.3	3.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	2.4	2.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
10	MEE Vacuum	mmHg	612	617	615	619	617	612	612	614	614	612	612	610	612	610	614	612	600	602	600	600	610	600	600	600
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.2	4.5	4.2	4.2	4.5	4.0	4.0	4.0	4.0	3.5	4.0	4.5	4.0	4.0	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.6	84.3	84.3	84.2	84.6	84.5	84.3	84.3	84.2	84.6	83.4	84.5	84.4	83.7	83.1	83.4	84.5	84.6	84.2	84.4	84.7	84.6	85.0	84.7
16	Stripper bottom	TT-2	94.3	94.6	94.0	94.3	94.3	94.6	94.3	94.3	94.6	94.2	94.3	94.3	94.3	94.6	94.5	94.3	94.1	94.2	94.1	94.2	94.2	94.1	94.2	94.2
17	Col - I Vapour temp	TT-3	91.4	92.3	91.4	92.3	91.7	92.0	91.2	91.0	91.3	91.8	91.4	91.2	91.8	92.0	92.4	90.7	90.8	90.9	90.9	91.0	90.8	90.3	90.1	90.2
18	Col - I Vaccum In mm Hg	VP-1	-124	-129	-134	-127	-121	-126	-123	-127	-124	-119	-126	-141	-130	-133	-134	-136	-130	-135	-136	-130	-132	-132	-132	-132
19	Col - II Vapour temp	TT-4	85.2	85.4	85.6	85.4	85.2	85.4	85.8	85.2	84.6	85.2	85.3	85.1	85.2	85.6	85.2	84.8	84.8	84.9	848	84.8	84.9	84.8	84.6	84.7
20	Col - II Vaccum In mm Hg	VP-2	-217	-269	-264	-301	-324	-312	-309	-317	-324	-316	-324	-317	-314	-305	-324	-319	-300	-310	-310	-312	-315	-317	-320	-330
21	Col - III vapor temp	TT-5	62.7	62.4	63.1	62.6	62.7	62.4	61.4	61.1	61.4	62.3	61.4	62.0	61.7	61.6	61.6	61.3	61.4	61.5	61.3	61.4	61.8	61.0	61.4	61.4
22	Col - III Vaccum In mm Hg	VP-3	-534	-536	-542	-529	-529	-532	-534	-534	-524	-523	-541	-536	-541	-534	-533	-534	-535	-526	-524	-535	-530	-55?	-530	-54
23	CT -Inlet temp	TT-6	39.2	39.5	39.8	38.1	38.3	38.1	39.5	39.9	39.6	39.2	39.0	38.8	38.6	38.7	38.5	37.6	38.6	38.2	38.1	38.8	38.9	38.9	38.6	38.4
24	CT -outlet temp	TT-7	40.0	40.1	40.5	40.8	40.4	40.7	41.9	42.0	42.7	42.2	42.0	41.4	41.6	41.7	40.3	40.5	40.6	40.7	40.8	40.7	40.8	40.8	40.9	40.6
25	ATFD vapor temp	TT-8	83.3	84.0	83.8	84.0	83.4	83.1	82.7	83.6	82.9	83.7	83.4	83.6	82.4	83.9	82.9	83.6	83.5	83.6	83.6	83.7	83.6	83.2	82.8	82.9

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	62140.7	62157.2	16.5	62157.2	62173.7	16.5	62173.7	62190.2	16.5	1st shift ATFD Rinsing given.
MEE Feed totaliser	14648.0	14651.4	3.4	14651.4	14654.8	3.4	14654.8	14657.9	3.1	
MEE condensate totaliser	23053.1	23067	13.9	23067.0	23080.9	13.9	23080.9	23094	13.8	
MEE concentrate totaliser	11332.3	11335.3	3.0	11335.3	11338.3	3.0	11338.3	11341.3	3.0	
Shift incharge Sign										Verified By

Effluent Generation Details for the Month August - 2023							
Date	High TDS Effluent (KL)			Low TDS Effluent (KL)			RO Reject
	FM Initial	FM Final	FM Deffere nce (KLD)	FM Initial	FM Final	FM Defference (KLD)	(KLD)
01-Aug-23	17889.0	17930.0	41.0	48056.0	48132.0	76.0	8.7
02-Aug-23	17930.0	17966.0	36.0	48132.0	48199.0	67.0	9.5
03-Aug-23	17966.0	18002.0	36.0	48199.0	48250.0	51.0	10.9
04-Aug-23	18002.0	18042.0	40.0	48250.0	48325.0	75.0	10
05-Aug-23	18042.0	18079.0	37.0	48325.0	48432.0	107.0	10.5
06-Aug-23	18079.0	18120.0	41.0	48432.0	48521.0	89.0	8.5
07-Aug-23	18120.0	18156.0	36.0	48521.0	48604.0	83.0	11.8
08-Aug-23	18156.0	18191.0	35.0	48604.0	48680.0	76.0	10.2
09-Aug-23	18191.0	18230.0	39.0	48680.0	48780.0	100.0	10
10-Aug-23	18230.0	18262.0	32.0	48780.0	48849.0	69.0	10.9
11-Aug-23	18262.0	18301.0	39.0	48849.0	48930.0	81.0	8.5
12-Aug-23	18301.0	18340.0	39.0	48930.0	48997.0	67.0	9.6
13-Aug-23	18340.0	18375.0	35.0	48997.0	49080.0	83.0	10.00
14-Aug-23	18375.0	18410.0	35.0	49080.0	49160.0	80.0	9.5
15-Aug-23	18410.0	18442.0	32.0	49160.0	49235.0	75.0	9
16-Aug-23	18442.0	18479.0	37.0	49235.0	49308.0	73.0	10
17-Aug-23	18479.0	18512.0	33.0	49308.0	49387.0	79.0	8.2
18-Aug-23	18512.0	18550.0	38.0	49387.0	49470.0	83.0	0
19-Aug-23	18550.0	18589.0	39.0	49470.0	49585.0	115.0	7
20-Aug-23	18589.0	18623.0	34.0	49585.0	49690.0	105.0	15.5
21-Aug-23	18623.0	18664.0	41.0	49690.0	49785.0	95.0	14.5
22-Aug-23	18664.0	18703.0	39.0	49785.0	49917.0	132.0	9.9
23-Aug-23	18703.0	18732.0	29.0	49917.0	50043.0	126.0	9.9
24-Aug-23	18732.0	18768.0	36.0	50043.0	50175.0	132.0	18.1

31.08.23	24	100835	100960.0	125.0	40354	40397.0	43.0	168.0

Tianish Laboratories Private Limited,Unit-2
(Formerly Mylan Laboratories Limited,Unit-2)

BIOLOGICAL TREATMENT PLANT OPERATION DETAILS AUG - 2023

Date	Total Running Hours	AERATION TANK-1 FEED Qty KLD			AERATION TANK-1A FEED Qty KLD			Total Feed(KLD)
		FM. In	FM. Fi	FM. Diff	FM. In	FM. Fi	FM. Diff	
01.08.23	24	97462	97574	112.0	39305	39324.0	19.0	131.0
02.08.23	24	97574	97676	102.0	39324	39340.0	16.0	118.0
03.08.23	24	97676	97766	90.0	39340	39368.0	28.0	118.0
04.08.23	24	97766	97861	95.0	39368	39389.0	21.0	116.0
05.08.23	24	97861	97971	110.0	39389	39405.0	16.0	126.0
06.08.23	24	97971	98072	101.0	39405	39430.0	25.0	126.0
07.08.23	24	98072	98179	107.0	39430	39445.0	15.0	122.0
08.08.23	24	98179	98285	106.0	39445	39456.0	11.0	117.0
09.08.23	24	98285	98390	105.0	39456	39456.0	0.0	105.0
10.08.23	24	98390	98504	114.0	39456	39494.0	38.0	152.0
11.08.23	24	98504	98612	108.0	39494	39546.0	52.0	160.0
12.08.23	24	98612	98727	115.0	39546	39583.0	37.0	152.0
13.08.23	24	98727	98843	116.0	39583	39634.0	51.0	167.0
14.08.23	24	98843	98959	116.0	39634	39680.0	46.0	162.0
15.08.23	24	98959	99079	120.0	39680	39728.0	48.0	168.0
16.08.23	24	99079	99205	126.0	39728	39775.0	47.0	173.0
17.08.23	24	99205	99310	105.0	39775	39837.0	62.0	167.0
18.08.23	24	99310	99414	104.0	39837	39899.0	62.0	166.0
19.08.23	24	99414	99534.0	120.0	39899	39934.0	35.0	155.0
20.08.23	24	99534	99649.0	115.0	39934	39987.0	53.0	168.0
21.08.23	24	99649	99769.0	120.0	39987	40035.0	48.0	168.0
22.08.23	24	99769	99889.0	120.0	40035	40035.0	0.0	120.0
23.08.23	24	99889	100013.0	124.0	40035	40073.0	38.0	162.0
24.08.23	24	100013	100138.0	125.0	40073	40128.0	55.0	180.0
25.08.23	24	100138	100273.0	135.0	40128	40135.0	7.0	142.0
26.08.23	24	100273	100390.0	117.0	40135	40196.0	61.0	178.0
27.08.23	24	100390	100506.0	116.0	40196	40250.0	54.0	170.0
28.08.23	24	100506	100614.0	108.0	40250	40297.0	47.0	155.0
29.08.23	24	100614	100726.0	112.0	40297	40343.0	46.0	158.0
30.08.23	24	100726	100835.0	109.0	40343	40354.0	11.0	120.0

25-Aug-23	18768.0	18806.0	38.0	50175.0	50250.0	75.0	14.2
26-Aug-23	18806.0	18845.0	39.0	50250.0	50378.0	128.0	23
27-Aug-23	18845.0	18878.0	33.0	50378.0	50525.0	147.0	16.6
28-Aug-23	18878.0	18910.0	32.0	50525.0	50637.0	112.0	17.7
29-Aug-23	18910.0	18949.0	39.0	50637.0	50759.0	122.0	17.5
30-Aug-23	18949.0	18979.0	30.0	50759.0	50877.0	118.0	14.8
31-Aug-23	18979.0	19018.0	39.0	50877.0	50962.0	85.0	0
Total (KL)			1129.0			2906.0	344.5
Avg (KLD)			36.4			93.7	11.1

Stripper & MEE Operation details for Aug-2023

	Stripper Feed			Stripper Bottom to MEE Feed	RO reject to New MEE Feed			Total New MEE Feed	RO reject to Old MEE Feed			Old MEE Feed	Remarks
Date	FM . In	FM. Fi	FM. Diff. Qty. KL/D	KLD	FM . In	FM. Fi	FM. Diff. Qty. KLD	KLD	FM . In	FM. Fi	FM. Diff. Qty. KLD	KLD	
01.08.23	62190.0	62246.7	56.7	48.2	14657.9	14666.6	8.7	56.9	52483.0	52483.0	0.0	0.0	
02.08.23	62246.7	62298.3	51.6	42.8	14666.6	14676.1	9.5	52.3	52483.0	52483.0	0.0	0.0	
03.08.23	62298.3	62345.0	46.7	39.7	14676.1	14687.0	10.9	50.6	52483.0	52483.0	0.0	0.0	
04.08.23	62345.0	62398.4	53.4	44.9	14687.0	14697.0	10.0	54.9	52483.0	52483.0	0.0	0.0	
05.08.23	62398.4	62450.1	51.7	43.2	14697.0	14707.5	10.5	53.7	52483.0	52483.0	0.0	0.0	
06.08.23	62450.1	62502.1	52.0	43.5	14707.5	14716.0	8.5	52.0	52483.0	52483.0	0.0	0.0	
07.08.23	62502.1	62554.4	52.3	43.5	14716.0	14727.8	11.8	55.3	52483.0	52483.0	0.0	0.0	
08.08.23	62554.4	62608.0	53.6	45.0	14727.8	14738.0	10.2	55.2	52483.0	52483.0	0.0	0.0	
09.08.23	62608.0	62661.0	53.0	44.2	14738.0	14748.0	10.0	54.2	52483.0	52483.0	0.0	0.0	
10.08.23	62661.0	62714.2	53.2	43.6	14748.0	14758.9	10.9	54.5	52483.0	52483.0	0.0	0.0	
11.08.23	62714.2	62765.3	51.1	43.7	14758.9	14767.4	8.5	52.2	52483.0	52483.0	0.0	0.0	

27.08.23	63514.2	63565.7	51.5	42.9	14823.7	14823.7	0.0	0.0	52594.0	52610.6	16.6	59.5	
28.08.23	63565.7	63617.0	51.3	42.5	14823.7	14823.7	0.0	0.0	52610.0	52627.7	17.7	60.2	
29.08.23	63617.0	63669.0	52.0	44.0	14823.7	14823.7	0.0	0.0	52627.7	52645.2	17.5	61.5	
30.08.23	63669.0	63714.5	45.5	37.7	14823.7	14823.7	0.0	0.0	52645.2	52660.0	14.8	52.5	
31.08.23	63714.5	63714.5	0.0	0.0	14823.7	14823.7	0.0	0.0	52660.0	52660.0	0.0	0.0	MEE Plant Chemical Cleaning & effuent Stored
			1524.5	1266.0			165.8	911.8			178.7	698.7	
			95.28	40.84			5.35	29.4			5.76	22.54	

Tianish Laboratories Pvt Ltd Unit-2					
Rian water Treated details - Aug'2023					
Date	First run off rain water collection in KL	First run off Rain water treatment			
		FM Initital(KL)	FM Final(KL)	Total (KL)	Remarks
01.08.2023	-	12351	12351	0	
02.08.2023	-	12351	12351	0	
03.08.2023	25	12351	12351	0	
04.08.2023	-	12351	12376	25	
05.08.2023	-	12376	12376	0	
06.08.2023	-	12376	12376	0	
07.08.2023	-	12376	12376	0	
08.08.2023	-	12376	12376	0	
09.08.2023	-	12376	12376	0	
10.08.2023	-	12376	12376	0	
11.08.2023	-	12376	12376	0	
12.08.2023	-	12376	12376	0	
13.08.2023	-	12376	12376	0	
14.08.2023	25	12376	12376	0	
15.08.2023	-	12376	12401	25	
16.08.2023	-	12401	12401	0	
17.08.2023	-	12401	12401	0	
18.08.2023	50	12401	12401	0	
19.08.2023	45	12401	12441	40	
20.08.2023	-	12441	12496	55	
21.08.2023	-	12496	12496	0	
22.08.2023	-	12496	12496	0	
23.08.2023	-	12496	12496	0	
24.08.2023	-	12496	12496	0	
25.08.2023	-	12496	12496	0	
26.08.2023	-	12496	12496	0	
27.08.2023	-	12496	12496	0	
28.08.2023	15	12496	12496	0	
29.08.2023	-	12496	12511	15	
30.08.2023	-	12511	12511	0	
31.08.2023	-	12511	12511	0	
	160		Total	160	

HTDS & LTDS EFFLUNT GENERATION DETAILS

Date	HTDS EFFLUENT (KLD)			LOWTDS EFFLUENT		
	F.M Initial	F.M Final	F.M Difference	F.M Initial	F.M Final	F.M Difference
01.08.23	17889.0	17930.0	41.0	48056.0	48132.0	76.0
02.08.23	17930.0	17966.0	36.0	48132.0	48199.0	67.0
03.08.23	17966.0	18002.0	36.0	48199.0	48250.0	51.0
04.08.23	18002.0	18042.0	40.0	48250.0	48325.0	75.0
05.08.23	18042.0	18079.0	37.0	48325.0	48432.0	107.0
06.08.23	18079.0	18120.0	41.0	48432.0	48521.0	89.0
07.08.23	18120.0	18156.0	36.0	48521.0	48604.0	83.0
08.08.23	18156.0	18191.0	35.0	48604.0	48680.0	76.0
09.08.23	18191.0	18230.0	39.0	48680.0	48780.0	100.0
10.08.23	18230.0	18262.0	32.0	48780.0	48849.0	69.0
11.08.23	18262.0	18301.0	39.0	48849.0	48930.0	81.0
12.08.23	18301.0	18340.0	39.0	48930.0	48997.0	67.0
13.08.23	18340.0	18375.0	35.0	48997.0	49080.0	83.0
14.08.23	18375.0	18410.0	35.0	49080.0	49160.0	80.0
15.08.23	18410.0	18442.0	32.0	49160.0	49235.0	75.0
16.08.23	18442.0	18479.0	37.0	49235.0	49308.0	73.0
17.08.23	18479.0	18512.0	33.0	49308.0	49387.0	79.0
18.08.23	18512.0	18550.0	38.0	49387.0	49470.0	83.0
19.08.23	18550.0	18589.0	39.0	49470.0	49585.0	115.0
20.08.23	18589.0	18623.0	34.0	49585.0	49690.0	105.0
21.08.23	18623.0	18664.0	41.0	49690.0	49785.0	95.0
22.08.23	18664.0	18703.0	39.0	49785.0	49917.0	132.0
23.08.23	18703.0	18732.0	29.0	49917.0	50043.0	126.0
24.08.23	18732.0	18768.0	36.0	50043.0	50175.0	132.0
25.08.23	18768.0	18806.0	38.0	50175.0	50250.0	75.0
26.08.23	18806.0	18845.0	39.0	50250.0	50378.0	128.0
27.08.23	18845.0	18878.0	33.0	50378.0	50525.0	147.0
28.08.23	18878.0	18910.0	32.0	50525.0	50637.0	112.0
29.08.23	18910.0	18949.0	39.0	50637.0	50759.0	122.0
30.08.23	18949.0	18979.0	30.0	50759.0	50877.0	118.0
31.08.23	18979.0	19018.0	39.0	50877.0	50962.0	85.0
TOTAL (KL)			1129			2906

Rain water treated details - Aug'23

Date	First run off rain water collection in KL	First run off rain water treatment. FM Initial (KL)	FM Final (KL)	Total (KL)	Remarks.
01.08.23	-	12351	12351	0	
02.08.23	-	12351	12351	0	
03.08.23	25	12351	12351	0	
04.08.23	-	12351	12376	25	
05.08.23	-	12376	12376	0	
06.08.23	-	12376	12376	0	
07.08.23	-	12376	12376	0	
08.08.23	-	12376	12376	0	
09.08.23	-	12376	12376	0	
10.08.23	-	12376	12376	0	
11.08.23	-	12376	12376	0	
12.08.23	-	12376	12376	0	
13.08.23	-	12376	12376	0	
14.08.23	25	12376	12376	0	
15.08.23	-	12376	12401	25	
16.08.23	-	12401	12401	0	
17.08.23	-	12401	12401	0	
18.08.23	50	12401	12401	0	
19.08.23	45	12401	12441	40	
20.08.23	-	12441	12496	55	
21.08.23	-	12496	12496	0	
22.08.23	-	12496	12496	0	
23.08.23	-	12496	12496	0	
24.08.23	-	12496	12496	0	
25.08.23	-	12496	12496	0	
26.08.23	-	12496	12496	0	
27.08.23	-	12496	12496	0	
28.08.23	15	12496	12496	0	
29.08.23	-	12496	12511	15	
30.08.23	-	12511	12511	0	
31.08.23	-	12511	12511	0	
	160		Total	160	KL

MYLAN LABORATORIES UNIT-2														
MANUFACTURING PRODUCTION DETAILS - CY'2023 IN TONS														
Name of the Product	Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Product wise TPA	As per Consented Qty. (TPA)
Nevirapine	0	0	0	0	0	0	0	0	0	0	0	0	0.00	12.00
Lamivudine	68.96	70.25	65.17	68.04	66.09	61.51	66.53	70.07	47.75	64.68	67.92	62.44	779.42	824.40
Emtricitabine	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.60
Fluindone	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.60
Validation Products	0	0	0	0	0	0	0	0	0	0	0	0	0.00	2.40
Total	68.96	70.25	65.17	68.04	66.09	61.51	66.53	70.07	47.75	64.68	67.92	62.44	779.42	840.00

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MYLAN LABORATORIES LIMITED, UNIT.- II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 01/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30kg	✓	–	–	✓	–	–	10	26	36	30kg	1.0	47	✓	–	–	✓	–	5KL	✓	–	–	✓	–	–		
B	170	20kg	✓	–	–	✓	–	–	200	150	350	20kg	2.0	37	✓	–	5HL	✓	–	–	✓	–	5HL	✓	–	–		
C	19	30kg	✓	–	–	✓	–	–	5	23	28	20kg	–	47	✓	–	5KL	✓	–	–	✓	–	5KL	✓	–	–		
Total	53	80	✓	–	–	✓	–	–	35	63	98	70	3.0	131	✓	–	10	–	–	–	✓	–	10	–	–	–	–	

Power Readings : Initial - 44085 Final - 44394

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 02/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~KoH~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~KoH~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30kg	✓	–	–	✓	–	–	10	26	36	30kg	1.0	46	✓	–	5Lt	✓	–	–	✓	–	5Lt	✓	–	–		
B	17.6	30lts	✓	–	–	✓	–	–	16.0	20.0	36.0	20lts	2.0	3x	✓	–	5lt	✓	–	–	✓	–	5lt	✓	–	–		
C	16.	30	✓	–	–	✓	–	–	5	22	27	20	1.0	40	✓	–	5lt	✓	–	–	✓	–	5Lt	✓	–	–		
Total	51.6	90	✓	–	–	✓	–	–	31	68	89	70	4.0	118	✓	✓	15	✓	–	–	✓	–	15	✓	–	–	–	

Power Readings: Initial - 4439 Final - 4470

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 03/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	16	30	V	—	—	V	—	—	10	25	85	20	1.0	40	V	—	Sh	V	—	—	V	—	Sh	V	—	—	Ch	
B	19	34	V	—	—	V	—	—	10	26	86	34	1.0	46	V	—	Sh	V	—	—	V	—	Sh	V	—	—		
C	17.8	30 Kgs	V	—	—	V	—	—	09.0	12.0	39	20 Kgs	2.0	37	V	—	5M	V	—	—	V	—	5M	V	—	—		
Total	51.8	90	V	—	—	V	—	—	27	63	90	70	4	118	V	—	15	V	—	—	V	—	15	V	—	—	—	

Power Readings : Initial - 4470 Final - 4492

Verified by

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MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 04/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous ruaning		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	36	✓	—	—	✓	—	—	8	28	36	20	1.0	40	✓	—	5HP	✓	—	—	✓	—	5HP	✓	—	—		
B	136	30Kg	✓	—	—	✓	—	—	04	26	30	50Kg	1.0	46	✓	—	5HP	✓	—	—	✓	—	5HP	✓	—	—		
C	18.7	30KGs	✓	—	—	✓	—	—	17.0	30.0	47.0	20KGs	2.0	30	✓	—	5HP	✓	—	—	✓	—	5HP	✓	—	—		
Total	54.7	90	✓	—	—	✓	—	—	29	84	113	90	4.0	116	✓	—	15	✓	—	—	✓	—	15	✓	—	—		

Power Readings : Initial - 4492 Final - 4519

Verified by ✓

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 05/08/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17	30	✓	–	–	✓	–	–	08	31	39	20	~~✓~~	40	✓	–	–	✓	–	–	✓	–	–	✓	–	–		
B	18	80	✓	–	–	✓	–	–	8	29	37	20	1-0	40				✓	–	÷	✓	–	–	✓	–	–		
C	196	80	✓	–	–	✓	–	–	04	25	29	30	1-0	46	✓	–	54	✓	–	–	✓	–	–	✓	–	–		
Total	53	90	✓	–	–	✓	–	–	20	85	105	70	20	126	–	–	5	✓	–	–	✓	–	–	✓	–	–	–	

Power Readings : Initial - 4519 Final - 4547

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 06/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	19	30Kgs	✓	–	–	✓	–	–	8	30	38	20Kgs	2.0	40	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
B	18	30	✓	–	–	✓	–	–	8	25	33	20	1.0	40	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
C	19	30	✓	–	–	✓	–	–	04	26	30	30	7.0	26	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
Total	55	8.0	–	–	–	✓	–	–	20	81	95	80	10.0	126	✓	–	15	✓	–	–	✓	–	18	✓	–	–	–	

Power Readings : Initial - 4547. Final - 4575

Verified by ✓

SOP/ERS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 07/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II					
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Hcl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~Hcl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Signature of operator / chemist	Remarks
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No				
A	18	30 kg	✓	–	–	✓	–	–	8	30	38	20 kg	2 V	42	✓	–	5 Hz	✓	–	–	✓	–	5 Hz	✓	–	–			
B	17	30 kg	✓	–	–	✓	–	–	7	32	38	20	–	42	✓	–	54	✓	–	–	✓	–	54	✓	–	–			
C	18	80	✓	–	–	✓	–	–	6	32	38	20 kg	4.0	40	✓	–	52	✓	–	–	✓	–	52	✓	–	–			
Total	53	90	✓	–	–	✓	–	–	21	94	11.5	60	6.0	122	–	–	15	✓	–	–	–	–	15	✓	–	–			

Power Readings : Initial - 4575.

Final - 4601

SOP/ERS/ENV/U02/GEN/002/08/FT-01

Verified by

MYLAN LABORATORIES LIMITED, UNIT - II

Mylan

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 08/8/23

Shift	E & N Tank High TDS effluent				Primary Clarifier				Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)				Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30kg	✓	-	-	✓	-	-	12	26	38	3kg	1.0	46	✓	-	5Hr	✓	-	-	✓	-	5Hr	✓	-	-		
B	19	20kg	✓	-	-	✓	-	1.0kl	12	32	44	3kg	2.0	36	✓	-	5Hr	✓	-	1.0kl	✓	-	5Hr	✓	-	-		
C	18	3kg	✓	-	-	✓	-	2.0kl	30	22	25	-	2	35	✓	-	2Hr	✓	-	2.0kl	✓	-	5Hr	✓	-	-		
Total																												

Power Readings : Initial - 4601 Final - 4625 Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date 09/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Set)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Set)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30	✓	-	-	✓	-	-	12	26	38	30	1.0	96	✓	-	54	✓	-	-	✓	-	-	✓	-	-		
B	18.0	30	✓	-	-	✓	-	-	8	25	31	30	2.0	36	✓	-	54	✓	-	-	✓	-	54	✓	-	-		
C	18	30	✓	-	-	✓	-	-	7	21	28	30	1.0	34	✓	-	54	✓	-	-	✓	-	54	✓	-	-		
Total	54	90	✓	-	-	✓	-	-	27	72	97	90	4.0	105			162						108					

Power Readings : Initial - 4628 Final - 4857 105

SOP/ETS/ENV/U01/GEN/002/08/FT-01

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 10/08/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17	—	✓	—	—	✓	—	—	12	25	85	20	1.0	40	✓	—	5L	✓	—	—	✓	—	5L	✓	—	—		
B	18KL	30kg	✓	—	—	✓	—	1.0	06	26	32	20kg	2KL	56	✓	—	5KL	✓	—	—	✓	—	5KL	✓	—	—		
C	18.0	30Kgs	✓	—	—	✓	—	—	5.0	37.0	42	20Kgs	2.0	5.6	✓	—	5 KL	✓	—	—	✓	—	5 KL	✓	—	—		
Total	53.0	60Kgs	✓	—	—	✓	—	—	23	88	109	60	5.0	152	—	—	15	—	—	—	—	—	15	—	—	—		

Power Readings : Initial - 4657 Final - 4685

Verified by ✓

SOP/ERS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 4/08/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Hcl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~Hcl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17	30	✓	–	–	✓	–	–	–	31	31	20	1.0	50	✓	–	5kl	✓	–	–	✓	–	8kl	✓	–	–	a	
B	18	20kg	✓	–	–	✓		1.0	10	27	37	20kg	1.0	57	✓	–	5kl	✓	–	–	✓	–	5kl	✓	–	–	[illegible]	
C	18-kl	20kg	✓	–	–	✓	–	–	29.0	9.0	38.0	20kgs	2.0	53	✓	–	5 kl	✓	–	–	✓	–	5 kl	✓	–	–	[illegible]	
Total	53	70	✓	–				1.0	39	67	106	60	4.0	160			15						15					

Power Readings : Initial - 4685 Final - 4712

SOP/EHS/ENV/U02/GEN/002/03/FT-01

Verified by ✓

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 12/08/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17	30	✓	–	–	✓	–	–	2	32	34	20	1.0	52 36	✓	–	54	✓	–	~~5~~	✓	–	54	✓	–	–		
B	17	30	✓	–	–	✓	–	–	8	30	38	20	1.0	40	✓	–	54	✓	–	–	✓	–	54	✓	–	–		
C	17.5	20	✓	–	–	✓	–	–	24	26	30	10 kg	1.0	60	✓	–	54	✓	–	–	✓	–	54	✓	–	–		
Total	51.5	–	–			–		–	1.9	88	102	50kg	3.0	152			154	–		–	–		154	–		–		

Power Readings : Initial - 4712 Final - 4740

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 13/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty. of Effluent feed to Primary clarifier (KL/shift)	Qty. of Chemical used for Neutralization (NaOH/ HCl)	Floating Mixer continuous running		Qty. of Poly used (kg)	Scrapper continuous running		Qty. of sludge wasted (K.L)	Qty. of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty. of Chemical used for Neutralization (NaOH/ HCl)	Qty. of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty. of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty. of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty. of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty. of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18.2	30 kg	✓	–	–	✓	–	–	16.0	10.0	26.0	20 kg	2.0	156	✓	–	5 kl	✓	–	–	✓	–	5 kl	✓	–	–		
B	18	30	✓	–	–	✓	–	–	5.0	28	33	20 kg	1.0	62	✓	–	5 kl	✓	–	–	✓	–	5 kl	✓	–	–		
C	18	20 kg	✓	–	–	✓	–	–	0.4	19	23	–	–	59	✓	–	5 kl	✓	–	–	✓	–	5 kl	✓	–	–		
Total	54.2	–	–	–	–	–	–	–	25	57	82	40 kg	3.0	167	–	–	15 kl	–	–	–	–	–	15 kl	–	–	–		

Power Readings: Initial - 4740 Final - 4766

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 14/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17.8	30Kgs	✓	–	–	✓	–	–	22.0	19.0	41.0	30Kgs	2.0	56	✓	–	5 Hr	✓	–	–	✓	–	5 Hr	✓	–	–		
B	18	30	✓	–	–	✓	–	–	7	28	35	20	1.0	50	✓	–	8 Hr	✓	–	–	✓	–	8 Hr	✓	–	–		
C	17	30	✓	–	–	✓	–	–	0	29	29	20	1.0	58	✓	–	8 Hr	✓	–	–	✓	–	8 Hr	✓	–	–		
Total	52.8	90							29.0	76	105	70	4.0	162			15						15					

Power Readings : Initial - 4766. Final - 4795

Verified by ✓

SOP/EHS/ENV/U01/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 15/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Holy~~	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~Holy~~	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	195	20kg	✓	-	-	✓	-	-	15	30	45	20kg	1·0	56	✓	-	51t	✓	-	-	✓	-	51t	✓	-	-		
B	18	20	✓	-	-	✓	-	-	15	38	53	20l	1·0	56	✓	-	54	✓	-	-	✓	-	51	✓	-	-		
C	18	30	✓	-	-	✓	-	-	-	31	50	20	1·0	58	✓	-	54	✓	-	-	✓	-	54	✓	-	-		
Total	54	60	- 1						30	99	148	60		168			15						15					

Power Readings : Initial - 4795 Final - 4820

SOP/EHS/ENV/U02/GEN/002/03/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 16/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier					E & N Tank Low TDS effluent			Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Lime)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Lime)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	3bag	✓	-	-	✓	-	-	12	26	38	3bag	1.0	57	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
B	17.0	30Kgs	✓	-	-	✓	-	-	24.0	8.0	32.0	30Kgs	2.0	58	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
C	17	20	✓	-	-	✓	-	-	-	22	22	20	1.0	58	✓	-	5kl	✓	-	-	✓	-	5kl	✓	-	-		
Total	52	80							36	56	92	80	4.0	173			15						15					

Power Readings : Initial - 4820 Final - 4848

Verified by

SOP/EHS/ENV/U02/CEN/002/08/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 17/08/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	80	✓	—	—	✓	—	—	12	32	42	30	1·0	55	✓	—	5H	✓	—	—	✓	—	5H	✓	—	—		
B	18	90kg	✓	—	—	✓	—	—	12	20	32	30kg	1·0	56	✓	—	5H	✓	—	—	✓	—	5H	✓	—	—		
C	22·1	30KGS	✓	—	—	✓	—	—	4·0	13·0	17·0	30KGS	2·0	56	✓	—	5HP	✓	—	—	✓	—	5HP	✓	—	—		
Total	58·1	90kg							28·0	65·0	91	90kg	4·0	167			15H						15H					

Power Readings: Initial - 4848 Final - 4879

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 18/07/23

Shift	E & N Tank High TDS effluent				Primary Clarifier				Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Poly~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)				Qty.of Chemical used for Neutralisation (NaOH/ ~~HCl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	—	—	✓	—	—	✓	—	—	11	30	41	30	1.0	50	✓	—	5K	V	—	—	V	—	5K	✓	—	—		
B	—	—	✓	—	—	✓	—	—	06	26	32	20kg	1.0	50	✓	—	5K	✓	—	—	✓	—	5K	✓	—	—		
C	—	—	✓	—	—	✓	—	—	29.0	21	55	20kg	2.0	56	✓	—	5Kg	✓	—	—	✓	—	5Kg	✓	—	—		
Total	—	—	—	—	—	—	—	—	41	77	128	70	4.0	166														

Power Readings : Initial - 4879 Final - 4899.

Verified by ✓

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 19/8/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	—	—	✓	—	—	✓	—	—	8	33	41	20	1.0	53	✓	—	54	✓	—	5	✓	—	54	✓	—	—	✓	
B	—	—	✓	—	—	✓	—	—	7	40	47	20	1.0	52	✓	—	54	✓	—	—	✓	—	54	✓	—	c	✓	
C	17	30	✓	—	—	✓	—	—	10	38	48	20	1.0	52	✓	—	54	✓	—	—	✓	—	52	✓	—	—	✓	
Total	17	30	✓	—	—	✓	—	—	25	120	146	60	3.0	155	—	—	15	—	—	—	—	—	15					

Power Readings : Initial - 4899 Final - 4930

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by ✓

104

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 20/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No			Yes	No		Yes	No			
A	23.7	30Kgs	✓	–	–	✓	–	–	20.0	19.0	39.0	20Kgs	2.0	56	✓	–	5HP	✓	–	–	✓	–	5HP	✓	–	–		
B	24	30	✓	–	–	✓	–	–	10	21	31	20	6.0	56	✓	–	5hp	✓	–	–	✓	–	5hp	✓	–	–		
C	23	3kg	✓		–	✓	–	–	04	26	30	10kg	1.0	56	✓	–	5HP	✓	–	–	✓	–	5HP	✓	–	–		
Total	~~50~~	90kg	–						34	56	100	50kg	3.0	168	–	–	15	–	–	–	–	–	15					

Power Readings : Initial - 4930 Final - 4948

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 21/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17.7	30kg	✓	-	-	✓	-	-	-	32.0	32.0	30kg	2.0	56	✓	-	5HL	✓	-	-	✓	-	5HL	✓	-	-		
B	18	20kg	✓	-	-	✓	-	-	10	28	38	80	2.0	56	✓	-	5HL	✓	-	-	✓	-	5HL	✓	-	-		
C	18	30	✓	-	-	✓	-	-	10	30	40	20	1.0	56	✓	-	5HL	✓	-	-	✓	-	5HL	✓	-	-		
Total	53.7	90kg							20	90	110	90	5.0	168			15						15					

Power Readings : Initial - 4948 Final - 4977

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by ✓

106

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 22/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Lime~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~Lime~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	20	30kg	✓	-	-	✓	-	-	10	27	37	20kg	1.0	60	✓	-	5Lr	✓	-	5Lr	✓	-	5Lr	✓	-	-		
B	20.7	30kg	✓	-	-	✓	-	-	19	20	39	20kg	2.0	60	✓	-	5Ltr	✓	-	-	✓	-	5Ltr	✓	-	-		
C	20	30	✓	-	-	✓	-	-	1.0	27	37	20	1.0	60	✓	-	5L	✓	-	-	✓	-	5L	✓	-	-		
Total	60.7	90kg	-	-					39	74	113	60	4.0	180			15Ltr						15Ltr					

Power Readings : Initial - 4977 Final - 5004

Verified by ✓

SOP/EHS/ENV/U02/GEN/002/03/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 23/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous renning		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	20Kg	20Kg	✓	-	-	✓	-	-	10	26	36	20Kg	1.0	80	✓	-	5Lt	✓	-	-	✓	-	5Lt	✓	-	-		
B	20	30Kgs	✓	-	-	✓	-	-	7	31	38	20Kgs	2.0	52	✓	-	5Lt	✓	-	-	✓	-	5Lt	✓	-	-		
C	17	30	✓	-	-	✓	-	-	7	25	32	20	2.0	50	✓	-	5Lt	✓	-	-	✓	-	5Lt	✓	-	-		
Total	57	90	✓	-	-	✓	-	-	24	82	106	60	5.0	162	-	-	15	-	-	-	-	-	15					

Power Readings : Initial - 5004 Final - 5032

SOP/EHS/ENV/U02/CEN/002/08/FT-01

Verified by:

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 24/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 10 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	21·1	30Kg	✓	–	–	✓	–	–	14·0	43·0	57·0	20Kg	2·0	60	✓	–	5Klt	✓	–	–	✓	–	5Klt	✓	–	–		
B	20	30	✓	–	–	✓	–	–	0 8	30	38	10kg	1·0	60	✓	–	5Klt	✓	–	–	✓	–	5Klt	✓	–	–		
C	20	29	✓	–	–	✓	–	–	0·4	26	30	–	1·0	60	✓	–	5Klt	✓	–	–	✓	–	5Klt	✓	–	–		
Total	61	89kg	–	–	–	–	–	–	26	99	125	30Kg	4	180	–	–	15Klt	–	–	–	–	–	15Klt	–	–	–		

Power Readings : Initial - 5036 Final - 5067

Verified by ✓

SOP/EHS/ENV/U02/GEN/002/00/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 25/08/23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralization (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralization (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	17	30	✓	–	–	✓	–	–	8	33	41	30	1.0	42	✓	–	5Kr	✓	–	–	✓	–	5Kr		✓	–	–	Ly	
B	17	30	✓	–	–	✓	–	–	9	33	42	30	1.0	43	✓	–	5Kr	✓	–	–	✓	–	5Kr	✓	–	–	L	
C	20.4	30Kg	✓	–	–	✓	–	–	9	35	44	20(Gs)	2.0	57	✓	–	5Kr	✓	–	–	✓	–	5Kr	✓	–	–	[illegible]	
Total	54.4	80Kg	–	–	–	–	–	–	26	101	127	80kg	4	142	–	–	15Kg	–	–	–	–	–	15Kg	–	–	–		

Power Readings : Initial - 5062 Final -

SOP/EHS/ENV/U02/CEN/002/08/FT-01

Verified by ✓

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 26-08-23

Shift	E & N Tank High TDS effluent				Primary Clarifier				Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)				Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	80	✓	–	–	✓	–	–	15	25	40	20	02	56	✓	–	05	✓	–	5	✓	–	5	✓	–	5	✓	
B	18	80	✓	–	–	✓	–	–	8	33	41	20	1-0	59	✓	–	5	✓	–	5	✓	–	–	✓	–	5	✓	
C	16	20kg	✓	–	–	✓	–	–	04	26	30	10kg	–	60	✓	–	5L	✓	–	–	✓	–	3L	✓	–	–	✓	
Total	52	80kg	–	–	–	–	–	–	27	84	111	50kg	–	178	–	–	15	–	–	–	–	–	10kg	–	–	–	–	

Power Readings : Initial - Final - 5112

Verified by

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 23/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralization (NaOH/ Ash)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralization (NaOH/ Ash)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running	Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18·0	3bkg	✓	–	–	✓	–	–	15·0	22·0	37·0	20kg	2·0	58·	✓	–	5HP	✓	–	–	✓	–	5HP	✓	–	–		
B	20	30	✓	–	–	✓	–	–	7	32	39	20	1.0	52	✓	–	5HP	✓	–	–	✓	–	5HP	✓	–	–		
C	18	25kg	✓	–	–	✓	–	–	04	26	30	10	1·0	60	✓	–	5HP	✓	–	–	✓	–	–	✓	–	–		
Total	5.6	80kg	–	–					26	80 ~~106~~ 100	106	5·0kg	4	170	–	–	15	–	–	–	–	–	15	–	–	–		

Power Readings : Initial - 5122

Final - 5151

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 28/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I				Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ ~~Hcl~~)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ ~~Hcl~~)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	30 Kg	✓	–	–	✓	–	–	10	38	48	30 Kg	2.0	52	✓	–	51	✓	–	–	✓	–	51	✓	–	–		
B	18	20	✓	–	–	✓	–	–	8	33	41	20 Kg	1.0	53	✓	–	51	✓	–	–	✓	–	51	✓	–	–		
C	17	20	✓	–	–	✓	–	–	7	32	39	20 Kg	1.0	52	✓	–	50	✓	–	–	✓	–	54	✓	–	–		
Total	53	80	–	–	–	–	–	–	25	103	128	70	4.0	155	–	–	15	–	–	–	–	–	15	–	–	–	–	

Power Readings : Initial - 5151 Final - 5180

Verified by ✓

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 29/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier				E & N Tank Low TDS effluent					Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	10	30kg	✓	–	–	✓	–	–	12	36	48	3kg	1.0	56	✓	–	5K	✓	–	–	✓	–	5K	✓	–	–		
B	17.4	30kgs	✓	–	–	✓	–	–	15.0	46.0	61	30kgs	2.0	43	✓	–	5K	✓	–	–	✓	–	5K	✓	–	–		
C	18	30	✓	–	–	✓	–	–	5	30	35	30	1.0	59	✓	–	5K	✓	–	–	✓	–	5K	✓	–	–		
Total	54.4	90kg	–	–	–	–	–	–	23	112	144	90kg	4	158	–	–	15	–	–	–	–	–	15	–	–	–		

Power Readings : Initial - 5180 Final - 5202

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by ✓

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date : 30/08/2023

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent		Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ Hcl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	18	20kg	✓	–	–	✓	–	1.0	12	28	40	20kg	1.0	60	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
B	17	20kg	✓	–	–	✓	–	–	10	31	41	20kg	2.0	60	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
C	18	24	✓	–	–	✓	–	1.0	2	25	32	20	1.0	60	✓	–	5Hr	✓	–	–	✓	–	5Hr	✓	–	–		
Total	53	60	–	–	–	–	–	2.0	29	84	113	60	4.0	120	–	–	15	–	–	–	–	–	15	–	–	–		

Power Readings : Initial - 5202 Final - 5229 Verified by

SOP/ERS/ENV/U02/GEN/002/08/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

LOG SHEET - EFFLUENT TREATMENT PLANT

Date: 31.8.23

Shift	E & N Tank High TDS effluent				Primary Clarifier							E & N Tank Low TDS effluent			Aeration Tank-I			Secondary Clarifier-I			Aeration Tank-II			Secondary Clarifier-II			Signature of operator / chemist	Remarks
	Qty.of Effluent feed to Primary clarifier (KL/shift)	Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Floating Mixer continuous running		Qty.of Poly used (kg)	Scrapper continuous running		Qty.of sludge wasted (K.L)	Qty.of Effluent pumped to collection tank-II followed by S.T.P (KL/shift)			Qty.of Chemical used for Neutralisation (NaOH/ HCl)	Qty.of sludge wasted (K.L)	Feed Qty (K.L/shift)	Operation of 30 HP Aerators		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)	Operation of 20 HP Blower No.		Qty.of De-foamer used	Sludge recirculation to aeration tank continuous running		Qty.of sludge wasted (K.L)		
			Yes	No		Yes	No		Domestic	Low TDS	TOTAL				Yes	No		Yes	No		Yes	No		Yes	No			
A	–	–	✓	–	–	✓	–	–	12	80	92	20	1.0	59	✓	–	5L	✓	–	–	✓	–	8L	✓	–	–		
B	–	–	✓	–	–	✓	–	–	10	22	32	3Kg	1.0	59	✓	–	5L	✓	–	–	✓	–	8L	✓	–	–		
C	–	–	✓	–	–	✓	–	–	2.0	12.0	14.0	20Kg	2.0	50	✓	–	5ML	✓	–	–	✓	–	5ML	✓	–	–		
Total	–	–	–	–	–	–	–	–	24	64	88	70Kg	4	168	–	–	15L	–	–	–	–	–	15	–	–	–		

Power Readings : Initial - 5229 Final - 5251

SOP/EHS/ENV/U02/GEN/002/08/FT-01

Verified by: ✓

116

Date: 01/08/2023

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.2	3.4	3.2	3.4	3.6	3.4	3.4	3.8	3.7	3.4	3.7	3.8	3.4	3.7	3.5	3.6	3.5	3.6	3.7	3.8	3.9	3.7	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.4	1.5	1.5	1.4	1.5	1.5	1.6	1.4	1.7	1.6	1.8	1.8	1.8	1.6	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.7
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.0	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.0	3.2	3.0	3.2	3.2	3.2	3.0	3.5	3.4	3.1	3.2	3.4	3.2	3.5	3.2	3.3	3.2	3.2	3.2	3.3	3.2	3.3	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.3	2.2	2.2	2.3	2.2	2.2	2.2	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	595	600	600	615	600	615	600	615	615	615	612	613	612	615	617	615	620	630	620	630	620	630	630
11	ATFD Steam Pressure	Kg/Cm²	4.8	5.0	4.8	5.0	5.0	4.8	5.0	5.0	4.5	4.4	4.4	5.0	4.5	4.4	4.5	4.5	4.2	4.3	4.2	4.3	4.2	4.3	4.2	4.3
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	80	80	80	80	80	80	80
Temperature profile																										
15	Stripper top	TT-1	84.1	83.1	84.1	83.2	84.1	83.2	84.1	83.2	84.9	84.6	83.5	83.8	83.3	84.4	84.3	84.1	84.2	84.1	84.2	84.1	83.1	84.3	83.9	84.1
16	Stripper bottom	TT-2	94.2	94.0	93.2	94.0	84.0	92.4	93.6	94.2	94.6	94.8	94.3	94.3	94.6	94.6	94.8	94.2	94.1	94.7	94.8	93.7	94.1	94.1	76.1	93.9
17	Col - I Vapour temp	TT-3	86.2	87.0	86.4	87.0	87.2	86.4	87.2	87.1	89.2	88.4	88.6	88.8	88.2	88.7	88.2	88.0	88.3	88.1	88.4	88.6	88.7	88.7	88.6	88.3
18	Col - I Vaccum in mm Hg	VP-1	-118	-130	-115	-130	-130	-125	-130	-135	-128	-134	-132	-136	-129	-134	-127	-121	-119	-122	-119	-118	-122	-123	-121	-119
19	Col - II Vapour temp	TT-4	81.2	82.0	81.8	82.2	82.4	81.8	82.2	81.8	82.7	84.1	83.7	83.2	83.6	83.4	83.2	83.1	83.1	83.2	83.1	83.2	83.4	83.6	83.7
20	Col - II Vaccum in mm Hg	VP-2	-330	-345	-320	-320	-320	-330	-320	-330	-311	-321	-319	-329	-351	-341	-340	-328	-320	-320	-310	-320	-330	-310	-320	-330
21	Col - III vapor temp	TT-5	62.4	61.2	62.0	61.8	61.5	62.2	60.9	61.2	62.9	64.2	63.6	62.8	63.1	63.8	62.6	63.1	62.2	62.1	63.1	62.8	63.1	62.1	63.3	62.9
22	Col - III Vaccum in mm Hg	VP-3	-595	-600	-595	-600	-595	-600	-585	-600	-529	-569	-584	-584	-542	-542	-561	-541	-541	-542	-541	-543	-542	-543	-542	-541
23	CT -inlet temp	TT-6	36.2	36.4	36.2	36.4	36.2	36.2	36.4	36.5	37.9	38.2	37.8	37.9	38.0	38.1	37.9	37.7	38.1	38.1	38.2	38.1	38.2	38.1	38.1	38.2
24	CT -outlet temp	TT-7	40.1	40.5	42.2	42.4	42.4	41.2	42.2	41.8	40.7	40.3	40.8	40.7	40.8	40.8	40.7	40.5	41.1	41.2	41.9	41.6	41.7	41.8	41.9	41.8
25	ATFD vapor temp	TT-8	83.2	83.1	82.2	83.1	83.1	82.2	83.1	82.2	83.1	83.1	82.8	82.9	83.4	84.1	83.4	82.7	83.4	83.6	83.7	84.1	83.6	84.1	83.6	84.1

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	A ⇒ ATFD Washing given
Stripper Feed totaliser	62190.2	62207.7	17.5	62207.7	62224.7	17.0	62224.7	62246.7	16	
MEE Feed totaliser	14657.9	14660.9	5.0	14660.9	14666.0	5.1	14666.4	14668.6	2.2	
MEE condensate totaliser	23094.0	23111.7	16.7	23112.1	23128.7	16.1	23128.2	23142.6	14.4	
MEE concentrate totaliser	11341.3	11343.3	3.0	11344.3	11347.3	3.0	11347.3	11350.3	3.0	
Shift incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

117

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Date: 02/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.2	3.6	3.4	3.6	3.4	3.6	3.5	3.4	3.5	3.4	3.3	3.5	3.4	3.7	3.4	3.3	3.2	3.3	3.4	3.2	3.4	3.3	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.4	1.5	1.4	1.5	1.5	1.6	1.5	1.7	1.6	1.8	1.7	1.8	1.8	1.7	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.6	1.7
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.0	3.4	3.2	3.4	3.2	3.4	3.2	3.1	3.2	3.1	3.1	3.3	3.2	3.4	3.1	3.1	3.2	3.1	3.2	3.2	3.2	3.3	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9	MEE Concentrate	KL/Hr	0.7	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	600	585	595	600	600	600	585	600	612	609	614	612	607	612	614	609	610	620	610	620	610	630	620	610
11	ATFD Steam Pressure	Kg/Cm²	6.5	5.4	5.0	5.4	5.5	5.4	5.6	5.5	4.5	5.0	4.0	4.0	4.2	4.5	4.0	4.5	4.3	4.7	0.8	4.7	4.8	4.7	4.8	4.9
12	ATFD Feed Rate	KL/Hr	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.32	0.33	0.33	0.32	0.33
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																									
15	Stripper top	TT-1	83.9	84.1	83.9	84.1	84.1	84.2	83.2	84.1	84.2	83.7	83.8	83.6	83.7	83.2	83.6	83.7	84.6	84.5	84.5	84.7	85.1	85.1	84.7	84.6
16	Stripper bottom	TT-3	94.1	93.9	94.1	94.1	93.9	94.0	94.1	83.2	94.2	94.7	94.3	94.4	94.6	94.7	94.8	94.9	95.1	95.3	95.2	95.1	95.4	94.7	95.1	94.8
17	Col - I Vapour temp	TT-3	86.2	87.0	86.9	87.0	87.2	87.4	87.7	86.8	91.2	89.7	90.3	90.7	89.2	90.7	88.8	90.6	87.7	87.8	81.6	87.6	87.7	87.6	87.7	87.5
18	Col - I Vacuum in mm Hg	VP-1	-130	-125	-130	-130	-140	-150	-155	-160	-124	-131	-129	-125	-137	-126	-124	-121	-122	-131	-122	-131	-126	-126	-127	-128
19	Col - II Vapour temp	TT-4	81.2	82.0	81.8	82.1	82.0	83.0	82.1	83.1	86.5	84.2	85.1	84.9	84.1	85.7	83.6	84.6	84.7	84.8	84.7	84.6	84.7	84.8	84.7	84.6
20	Col - II Vacuum in mm Hg	VP-2	-330	-350	-330	-350	-330	-350	-330	-330	-329	-324	-319	-326	-320	-349	-319	-324	-312	-324	-312	-313	-312	-316	-312	-319
21	Col - III vapor temp	TT-5	62.1	61.8	62.1	61.8	62.2	62.4	62.8	62.1	62.7	62.3	61.3	62.7	61.9	62.2	61.8	61.4	61.6	61.7	61.8	61.7	61.6	61.7	61.6	61.5
22	Col - III Vacuum in mm Hg	VP-3	-550	-550	-560	-560	-555	-560	-565	-575	-554	-561	-558	-549	-558	-561	-554	-549	-539	-542	-551	-548	-538	-547	-546	-547
23	CT -inlet temp	TT-6	36.0	36.2	36.1	36.2	36.1	36.2	36.1	36.2	37.1	36.8	36.9	37.4	37.5	37.8	38.1	38.4	38.1	38.1	38.1	38.2	38.1	38.1	38.2	38.1
24	CT -outlet temp	TT-7	41.2	42.1	41.8	42.2	41.8	42.0	41.1	42.2	42.0	41.8	41.4	42.3	41.4	41.9	42.4	41.3	41.4	41.6	41.6	42.7	41.5	41.6	41.7	41.8
25	ATFD vapor temp	TT-8	83.1	82.2	83.7	82.2	83.4	80.0	83.9	84.1	83.1	82.9	83.6	83.8	84.1	83.7	84.3	83.6	84.4	84.0	84.6	84.7	84.8	84.7	84.6	84.7

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62246.7	62264.7	18.0	62264.7	62282.3	17.6	62282.3	62298.3	16
MEE Feed totaliser	14666.6	14669.6	5.0	14669.6	14673.1	5.5	14673.1	14676.1	5
MEE condensate totaliser	23142.6	23159.8	17.2	23159.8	23176.9	17.1	23176.9	23192	15
MEE concentrate totaliser	11350.3	11353.3	3.0	11353.3	11356.3	3.0	11356.3	11359.3	3
Shift incharge Sign	[signature]			[signature]			[signature]		

Remarks: A ⇒ ATFD washing done

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

118

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Date: 03/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	3.3	3.4	3.3	3.5	3.3	3.4	3.5	3.6	3.5	3.6	3.4	3.4	3.5	3.6	3.4	3.4	3.6	3.4	3.4	3.6	3.4	3.4	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.5	1.6	1.6	1.5	1.6	1.5	1.6	1.4	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.6	1.6	1.5	1.6
3	Stripper Feed Rate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.0	2.9	3.0	3.0	3.0	3.1	3.2	3.0	3.2	3.0	3.2	3.2	3.2	3.4	3.4	3.2	3.2	3.4	3.1	3.2	3.4	3.3	3.2	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.6	0.6	0.7	0.2	0.2	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.1	2.2	2.2	2.3	2.2	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	590	600	600	600	605	600	600	600	600	595	600	600	590	600	600	590	612	607	612	607	612	612	614	614
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.5	4.5	4.0	4.5	4.5	4.0	4.0	4.5	4.6	4.6	5.0	5.0	4.5	5.0	5.0	5.0	4.0	4.5	4.5	5.0	4.0	4.0	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	40	70	70	40	40	40	40	40	40	40	40	30	30	30	30	30	30	30	30
Temperature profile																										
15	Stripper top	TT-1	85.1	85.2	85.2	85.1	85.0	85.1	85.1	85.0	85.5	85.1	85.9	85.2	85.2	85.1	85.2	85.1	84.6	84.7	84.8	84.9	84.6	84.4	84.7	84.9
16	Stripper bottom	TT-2	94.1	94.1	94.0	94.1	94.1	94.2	94.0	94.2	94.2	95.1	94.2	95.1	95.1	94.2	95.1	94.2	94.6	94.3	94.7	94.2	94.2	94.3	94.2	94.2
17	Col - I Vapour temp	TT-3	86.2	86.1	86.2	86.2	86.0	86.1	86.2	86.0	86.2	85.9	86.2	85.9	86.1	87.0	86.9	86.4	84.8	86.7	86.2	85.5	85.7	86.2	86.5	86.0
18	Col - I Vaccum In mm Hg	VP-1	-130	-130	-128	-130	-130	-125	-125	-130	-125	-130	-130	-115	-120	-115	-120	-120	-119	-125	-126	-124	-125	-121	-124	-126
19	Col - II Vapour temp	TT-4	81.3	81.4	81.3	81.4	81.5	81.6	81.2	81.6	81.2	80.9	81.2	81.5	80.9	81.2	80.9	81.2	80.7	81.6	81.7	81.4	80.4	81.0	81.2	80.7
20	Col - II Vaccum In mm Hg	VP-2	-330	-320	-330	-325	-320	-330	-325	-330	-330	-350	-330	-330	-315	-330	-335	-350	-317	-326	-321	-319	-329	-336	-334	-332
21	Col - III vapor temp	TT-5	62.1	62.1	62.2	62.3	62.4	62.1	62.2	62.2	62.1	61.8	62.2	61.8	61.2	62.0	61.6	61.5	64.7	64.6	64.8	65.0	61.4	61.6	61.7	61.9
22	Col - III Vaccum In mm Hg	VP-3	-590	-580	-590	-590	600	600	595	600	595	600	595	600	595	600	595	600	-519	-526	-521	-524	-542	-561	-558	-559
23	CT -inlet temp	TT-6	86.1	86.2	862	86.7	86.8	86.9	86.8	86.1	86.1	86.8	86.9	86.0	86.0	85.9	86.1	86.2	38.9	38.5	38.4	38.6	38.0	37.9	37.8	37.7
24	CT -outlet temp	TT-7	40.2	40.2	40.7	40.2	39.1	39.2	39.1	39.2	42.1	42.1	40.9	40.8	42.1	41.4	42.1	41.2	40.0	41.1	40.7	41.1	40.9	41.0	40.8	40.8
25	ATFD vapor temp	TT-8	83.1	83.0	83.1	83.2	82.0	82.1	82.2	82.1	81.8	82.1	82.1	81.4	83.0	82.8	83.1	82.2	82.7	83.0	83.2	83.6	82.6	83.4	82.1	83.6

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	622987	62312	13.7	62312.0	62330.0	18.0	62338.0	62345.0	17.0	"A" Shift :- ATFD Flushing
MEE Feed totaliser	14676.1	14678.7	4.6	14678.7	14682.0	5.0	14682.0	14687.0	5.0	B ⇒ ATFD Washing done
MEE condensate totaliser	23192	11362.3	18.3	2362.3	2365.3	3.0	23220.6	23237.6	17.0	
MEE concentrate totaliser	113593	11362.3	3.0	11362.3	11365.3	3.0	11365.3	11368.3	3.0	
Shift incharge Sign										

SOP/EHS/ENV/U03/GEN/005/06/FT-03

Verified By

Mylan

STRIPPERMEE & ATFD LOG SHEET

Date: 04/08/2023

SI.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	Steam shutdown	3.5	3.4	3.5	3.8	3.7	3.2	3.5	3.6	3.4	3.6	3.4	3.0	3.0	3.0	3.6	3.2	3.1	3.2	3.8	3.7	3.6	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.4	1.2	1.4	1.5	1.4	1.6	1.7	1.6	1.6	1.7	1.6
3	Stripper Feed Rate	KL/Hr	2.2		2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
4	Stripper Distillate Qty.	KL/Hr	0.4		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.0		3.1	3.2	3.2	3.1	3.2	3.2	3.3	3.4	3.2	3.4	3.2	2.8	2.8	2.6	2.7	2.8	2.6	2.7	3.2	3.4	3.2	2.7
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.8		1.8	1.8	1.8	1.8	1.1	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7		0.7	0.7	0.7	0.7	0.7	0.3	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.1		2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.2	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4		0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600		600	605	595	600	600	600	600	585	600	600	580	600	600	600	607	613	617	612	610	607	609	612
11	ATFD Steam Pressure	Kg/Cm²	5.0		4.5	4.0	4.5	4.0	4.5	4.0	6.8	6.6	6.8	5.0	6.8	5.0	6.0	4.0	4.0	3.0	3.0	4.0	4.0	5.0	5.0	4.5
12	ATFD Feed Rate	KL/Hr	0.4		0.4	0.4	0.4	0.4	0.4	6.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32		0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	20		70	20	70	70	20	70	70	70	70	70	60	60	60	60	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.8		84.1	84.8	84.2	84.6	84.1	84.1	83.2	84.1	84.1	83.9	84.1	83.9	84.1	83.9	84.2	84.7	84.6	83.4	84.4	84.6	84.5	84.5
16	Stripper bottom	TT-2	94.7		94.4	94.2	94.3	94.4	94.3	94.2	93.0	94.1	94.2	84.2	95.1	84.2	84.1	85.0	94.6	94.8	94.3	94.7	94.3	94.6	94.3	94.7
17	Col-I Vapour temp	TT-3	86.0		86.0	85.8	85.6	85.2	85.6	88.4	86.0	85.9	86.0	86.1	85.9	86.1	85.9	86.0	85.3	85.4	86.1	85.7	87.4	87.9	86.8	88.1
18	Col-I Vaccum In mm Hg	VP-1	-125		-130	-128	-130	-125	125	121.0	122.1	121.2	122.1	121.2	120.9	121.2	121.5	121.3	-320	-219	-231	-261	-194	-139	-169	-171
19	Col-II Vapour temp	TT-4	81.0		82.0	81.1	86.1	84.2	82.0	82.2	82.1	81.8	82.7	81.2	81.0	80.9	81.2	80.9	80.3	80.4	80.7	80.4	81.7	82.0	82.1	84.1
20	Col-II Vaccum In mm Hg	VP-2	-320		-300	-310	-340	-320	-320	-310	-330	-350	-330	-330	-350	-360	-350	-320	-364	-398	-391	-395	-341	-326	-341	-328
21	Col-III vapor temp	TT-5	61.8		61.2	61.8	61.2	61.8	61.2	61.8	62.0	61.8	62.0	62.1	61.8	61.2	61.4	61.5	62.6	62.9	62.4	62.8	63.1	64.2	63.8	63.2
22	Col-III Vaccum In mm Hg	VP-3	590		600	601	600	600	600	600	600	585	600	590	600	585	600	600	-549	-556	-547	559	-540	-536	-541	-528
23	CT-inlet temp	TT-6	37.8		38.8	38.1	38.8	38.4	38.6	37.7	36.2	37.0	36.6	35.9	36.1	36.2	36.0	35.9	36.2	36.5	36.9	37.3	37.8	38.0	38.4	38.7
24	CT-outlet temp	TT-7	39.8		41.2	38.2	41.2	42.2	42.3	40.8	41.2	42.1	42.1	42.1	01.8	42.1	01.8	42.7	40.2	40.0	40.2	40.4	40.7	41.1	41.4	41.4
25	ATFD vapor temp	TT-8	82.0		82.1	82.0	82.1	82.0	82.1	81.9	82.1	83.1	82.2	83.0	84.1	82.4	82.5	83.7	82.6	83.6	83.1	82.4	83.2	82.4	83.8	83.3

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62345	62361.7	16.7	62361.7	62379.7	18.0	62379.7	623984	18.7
MEE Feed totaliser	14684	14688.4	4.4	14688.0	14692.6	4.0	14692.6	14697.0	5.0
MEE condensate totaliser	23237	23252	15.4	23252.0	23270.0	19.2	23268.3	23287.6	17.7
MEE concentrate totaliser	11368.3	11369.8	3.0	11369.8	11372.8	3.0	11372.8	11375.8	3.0
Shift Incharge Sign		[signature]			[signature]			[signature]	

Remarks
"A" shift:- ATFD Flow given
B ⇒ ATFD washing given

Verified By [signature]

Date: 05/08/23

Mylan

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	3.7	3.2	3.1	3.2	3.2	3.4	3.2	3.3	3.4	3.4	3.4	3.5	3.4	3.4	3.5	3.4	3.6	3.5	3.6	3.4	3.6	3.6	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.3	1.4	1.2	1.4	1.3	1.4	1.3	1.4	1.4	1.4	1.3	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.5	1.5
3	Stripper Feed Rate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.1	2.8	3.9	3.8	3.1	3.5	3.2	3.3	3.3	3.1	3.6	3.1	3.1	3.2	3.1	3.0	3.2	3.4	3.2	3.4	3.0	3.4	3.4	3.5
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.3	2.2	2.2	2.1	2.2	2.1
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.5
10	MEE Vaccum	mmHg	610	600	610	600	610	600	610	600	600	595	600	600	600	600	601	600	600	595	600	600	600	590	600	600
11	ATFD Steam Pressure	Kg/Cm²	5.1	5.2	5.1	5.2	5.1	5.2	5.1	5.2	5.0	5.0	4.5	4.0	4.5	4.0	4.0	4.0	4.5	5.0	5.0	5.0	4.5	5.0	5.0	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.4
14	ATFD Salt	Kg/Hr	80	80	80	80	80	80	80	80	80	80	80	80	70	80	70	80	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.1	84.1	84.2	84.1	83.7	84.3	84.2	84.3	86.1	85.2	84.9	84.8	84.4	84.4	84.8	84.3	85.1	84.2	85.1	84.9	83.2	80.1	83.5	80.1
16	Stripper bottom	TT-2	93.8	94.1	94.1	94.1	94.2	94.4	94.1	94.7	94.1	94.4	94.3	94.7	94.4	94.5	94.6	94.2	94.2	85.4	94.2	95.1	84.2	95.1	96.2	95.1
17	Col - I Vapour temp	TT-3	86.1	86.3	86.4	86.5	86.6	86.1	86.3	86.1	86.3	86.2	86.1	86.2	86.1	86.2	86.0	86.1	86.2	85.9	86.2	86.4	86.1	85.9	86.1	85.9
18	Col - I Vaccum in mm Hg	VP-1	-122	-117	-118	-121	-131	-122	-114	-126	-122	-125	-123	-124	-124	-126	-126	-121	-115	-120	-130	-130	-135	-140	-135	-140
19	Col - II Vapour temp	TT-4	81.6	81.4	81.6	81.7	81.8	81.8	81.8	81.7	81.9	81.2	81.3	84	81.1	81.8	81.8	81.1	81.2	81.0	81.1	81.0	81.8	81.1	81.8	81.1
20	Col - II Vaccum in mm Hg	VP-2	-318	-314	-316	-317	-318	-316	-310	-314	-300	-310	-320	-330	-320	-330	-320	-320	-330	-330	-330	-330	-350	-360	-350	-360
21	Col - III vapor temp	TT-5	61.8	61.7	61.6	61.7	61.8	61.8	61.8	61.4	61.3	61.4	61.4	61.3	61.4	61.3	61.7	61.5	62.1	61.8	62.1	61.8	61.2	60.9	61.2	60.9
22	Col - III Vaccum in mm Hg	VP-3	-546	-531	-511	-541	-529	-518	-514	-516	-510	-520	-520	-520	-520	-550	-540	-570	-550	-540	-560	-550	-545	-550	-560	-570
23	CT -Inlet temp	TT-6	37.7	37.1	37.1	37.1	37.4	37.6	37.4	37.2	38.5	38.0	38.1	38.4	37.6	37.4	37.8	37.8	36.9	37.0	36.2	36.4	36.1	36.2	36.4	36.5
24	CT -outlet temp	TT-7	40.4	40.1	40.2	40.4	40.3	40.3	40.3	40.1	41.1	41.2	41.0	41.2	40.8	40.6	40.7	40.6	41.2	41.1	41.0	41.2	41.2	41.1	41.0	41.1
25	ATFD vapor temp	TT-8	83.7	83.1	83.6	83.7	83.9	83.8	83.9	84.1	82.5	82.9	82.9	82.8	82.9	82.8	82.9	81.7	81.9	82.1	81.8	82.1	81.8	82.1	82.2	82.1

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totalizer	62398.4	62415.4	17.0	62415.4	62432.1	17	62432.1	62450.1	18.0	"B" SLOP : ATFD
MEE Feed totalizer	14697	14760	5.0	14700	14703.5	5.0	14703.5	14707.5	5.0	From SLOP
MEE condensate totalizer	23043	23299	16.0	23283	23315	16.2	23313.0	23328.0	17.2	C ⇒ ATFD Washing from
MEE concentrate totalizer	11375.8	11378.8	3.0	11378.6	11381.8	3.0	11381.8	11384.4	3.0	
Shift Incharge Sign										

SOP/EHS/ESV/U02/GEN/003/06/FT-01

Verified By

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Date: 06/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3·8	3·4	3·7	3·5	3·6	3·5	3·7	3·8	3·7	3·8	3·7	3·7	3·8	3·7	3·8	3·7	3·8	3·6	3·8	3·6	3·6	3·4	3·6	3·6
2	Stripper Steam Pressure	Kg/Cm²	1·7	1·7	1·6	1·5	1·7	1·6	1·4	1·6	1·5	1·5	1·5	1·4	1·5	1·5	1·6	1·5	1·5	1·4	1·5	1·5	1·4	1·4	1·5	1·5
3	Stripper Feed Rate	KL/Hr	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·5	2·2	2·2	2·3	2·4	2·3	2·4	2·3	2·4	2·3	2·4
4	Stripper Distillate Qty.	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7
5	MEE Steam Pressure	Kg/Cm²	3·3	3·1	3·4	3·3	3·4	3·2	3·4	3·5	3·4	3·5	3·4	3·5	3·7	3·3	3·2	3·3	3·4	3·2	3·4	3·3	3·2	3·0	3·4	3·3
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	2·0	1·8	1·8	1·8	2·0	2·0	1·9	2·0	1·9	2·0	1·9	2·0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·6	0·6	0·6	0·6	0·6	0·6	0·6	0·6	0·6	0·6	0·6
8	MEE Condensate	KL/Hr	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·3	2·4	2·3	2·3	2·0	2·0	2·0	2·2	2·2	2·2	2·2	2·2	2·2	2·2	2·2
9	MEE Concentrate	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·5	0·5	0·4	0·4
10	MEE Vaccum	mmHg	607	612	614	609	607	604	612	614	600	600	612	612	612	603	608	620	600	590	600	600	590	600	600	600
11	ATFD Steam Pressure	Kg/Cm²	4·0	4·0	5·0	3·5	4·0	4·0	4·0	3·0	4·0	4·0	3·0	4·0	4·0	4·8	4·8	5·2	5·4	5·0	4·8	5·0	5·0	4·8	5·0	5·0
12	ATFD Feed Rate	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
13	ATFD Condensate	KL/Hr	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·33	0·33	0·33	0·3	0·3	0·3	0·3	0·4	0·3	0·4	0·4
14	ATFD Salt	Kg/Hr	80	80	70	70	80	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84·1	84·8	84·3	84·6	84·3	84·7	84·8	84·3	84·4	84·5	84·6	84·7	84·6	81·6	84·8	85·1	86·1	86·6	86·1	85·1	86·1	85·1	86·2	85·1
16	Stripper bottom	TT-2	94·7	94·6	94·3	94·8	94·4	94·7	94·7	94·7	94·7	94·8	94·7	94·7	94·0	93·8	94·2	94·3	95·1	94·8	95·1	94·8	95·1	94·8	95·2	95·1
17	Cal - I Vapour temp	TT-3	89·2	88·7	90·2	89·6	88·8	90·0	88·8	86·3	86·2	86·2	86·2	86·3	86·1	86·2	86·1	86·2	86·2	87·0	86·5	87·0	86·5	87·0	86·5	87·0
18	Cal - I Vaccum in mm Hg	VP-1	-139	-128	-131	-156	-134	-129	-114	-107	-130	-128	-127	-129	-128	-112	-124	-126	-115	-100	-150	-115	-120	-115	-120	-120
19	Cal - II Vapour temp	TT-4	84·3	84·6	85·2	84·8	84·3	85·3	84·1	84·0	84·1	84·2	84·2	84·2	84·2	84·2	84·8	84·6	85·1	86·1	85·1	86·1	85·4	86·1	85·4	86·1
20	Cal - II Vaccum in mm Hg	VP-2	-329	-328	-356	-326	-340	-312	-318	-312	-300	-310	-314	-310	-316	-318	-312	-314	-330	-350	-350	-350	-350	-350	-350	-350
21	Cal - III vapor temp	TT-5	64·6	65·1	64·7	65·6	65·8	65·4	66·1	59·8	64·7	64·8	64·7	64·2	64·8	65·7	65·6	66·1	66·2	62·1	61·5	62·1	61·8	62·2	61·5	62·1
22	Cal - III Vaccum in mm Hg	VP-3	-534	-531	-526	-529	-534	-525	-551	-538	-582	-585	-584	-580	-550	-550	-550	-548	-550	-550	-570	-550	-550	-550	-550	-550
23	CT -inlet temp	TT-6	37·8	38·0	38·1	37·9	38·1	38·3	38·1	38·0	38·5	39·6	39·0	38·4	38·2	39·1	39·1	39·2	36·2	36·4	36·5	36·2	36·1	36·4	36·2	36·4
24	CT -outlet temp	TT-7	39·8	40·0	40·1	40·0	40·2	40·4	40·5	40·8	42·1	42·1	42·1	42·1	42·1	41·6	42·1	41·8	41·2	40·9	41·2	41·2	41·3	41·2	40·9	41·2
25	ATFD vapor temp	TT-8	82·9	83·6	83·4	83·6	82·9	83·8	83·7	82·6	82·6	82·2	82·0	82·1	82·7	83·1	83·2	83·1	82·1	83·2	82·8	83·1	82·8	83·1	83·0	83·1

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	62450·1	62468·1	18·0	62467·1	62484·1	17	62484·1	62502·1	18·0	B's line ATFD flow given, C → ATFD reading given
MEE Feed totaliser	14707·0	14710·0	3·0	14710·0	14713	3	14713	14716·0	3·0	
MEE condensate totaliser	23328	23345	17·0	23345	23361	16	23361	23377·2	17·2	
MEE concentrate totaliser	11384·8	11387·8	3·0	11387·8	11390·8	3·0	11390·8	11393·8	3·0	
Shift incharge Sign										

Verified By

Date: 07/08/2023

Mylan

STRIPPERMEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.8	3.7	3.6	3.5	3.4	3.5	3.6	3.7	3.8	3.7	3.8	3.7	3.8	3.9	3.8	3.7	3.8	3.9	3.8	3.7	3.6	3.5	3.6
2	Stripper Steam Pressure	Kg/Cm²	1.7	1.8	1.4	1.7	1.6	1.6	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.7	1.8	1.9	1.4	1.5	1.4	1.5	1.4	1.5	1.5	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.9	3.4	3.2	3.6	3.2	3.2	3.3	3.2	3.1	3.3	3.4	3.3	3.5	3.6	3.7	3.8	3.8	3.8	3.4	3.5	3.0	3.2	3.3	3.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	2.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.7	0.9	0.4
10	MEE Vaccum	mmHg	612	610	614	612	607	612	614	612	621	622	621	622	623	621	622	621	600	600	590	600	600	600	600	600
11	ATFD Steam Pressure	Kg/Cm²	4.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.7	4.8	4.7	4.8	4.7	4.8	4.8	4.8	4.0	4.5	5.0	4.5	4.0	4.5	4.8	4.7
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	80	80	80	80	80	80	80	80	70	80	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.7	84.3	83.8	84.3	84.6	84.6	84.8	84.4	84.5	84.6	84.7	84.9	84.8	85.1	84.8	85.1	85.1	85.2	85.4	85.3	85.3	85.4	85.1	85.2
16	Stripper bottom	TT-2	94.9	94.1	94.1	94.3	94.7	94.4	94.3	94.6	93.9	94.1	94.2	93.9	94.2	94.2	94.1	94.2	94.1	94.2	94.0	94.1	94.1	94.2	94.1	94.3
17	Col-I Vapour temp	TT-3	89.2	88.4	89.0	89.3	86.6	88.1	89.1	89.2	87.3	87.8	88.3	87.9	88.4	87.8	88.1	88.2	88.0	88.1	88.2	88.0	88.1	88.0	87.5	88.0
18	Col-I Vaccum in mm Hg	VP-1	-224	-241	-261	-231	-197	-169	-191	-178	-220	-221	-231	-228	-231	-222	-140	-110	-200	-198	-200	-210	-190	-200	-190	-200
19	Col-II Vapour temp	TT-4	84.6	84.0	84.9	84.0	84.7	84.6	84.7	84.3	84.4	84.5	84.6	84.7	84.9	85.1	84.9	85.2	84.7	85.0	84.9	84.9	85.0	84.9	84.8	84.7
20	Col-II Vaccum in mm Hg	VP-2	-380	-369	-359	-386	-391	-361	-367	-359	-331	-320	-323	-324	-326	-311	-280	-290	-280	-280	-285	-290	-290	-280	-290	-300
21	Col-III vapor temp	TT-5	61.3	60.6	60.4	59.7	60.2	60.8	61.6	61.0	61.2	61.4	61.6	61.7	61.8	61.8	61.6	61.7	64.5	64.6	64.7	64.8	64.8	64.7	64.7	64.7
22	Col-III Vaccum in mm Hg	VP-3	-564	-558	-546	-559	-568	-542	-529	-541	-540	-561	-563	-561	-584	-560	-570	-570	-540	-530	-520	-550	-550	-550	-550	-556
23.	CT-inlet temp	TT-6	37.9	38.2	38.6	38.4	38.8	38.2	38.1	38.3	37.2	37.4	37.4	37.2	37.1	37.1	37.2	37.1	38.0	38.1	38.2	38.2	38.7	38.5	38.6	40.0
24	CT-outlet temp	TT-7	39.9	40.2	40.7	40.7	41.1	40.6	40.5	40.7	40.2	40.3	40.2	40.3	40.2	40.2	40.1	40.1	41.0	41.1	41.2	41.2	41.4	41.7	37.7	40.7
25	ATFD vapor temp	TT-8	82.9	83.2	83.7	82.9	83.6	83.6	83.7	82.6	83.1	83.3	83.4	83.6	83.7	83.1	83.3	83.2	83.0	83.1	83.2	83.0	82.6	82.7	82.1	82.2

SHIFT	A			B			C		
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total
Stripper Feed totaliser	62502.1	62520.4	18.3	62520.4	62537.4	17.0	62537.4	62554.4	17.0
MEE Feed totaliser	14716.0	14721.0	5.0	14721	14731.6	8.0	14731.6	14727.8	5
MEE condensate totaliser	23374.7	23392.0	17.3	23392	23408	16.0	23408	23424	16.2
MEE concentrate totaliser	11393.8	11396.8	3.0	11396.8	11399.8	3.0	11399.8	11402.8	3.0
Shift Incharge Sign	[signature]			[signature]			[signature]		

Remarks

"C" Shift:- ATFD Flush given.

Verified By [signature]

SOP/EHS/ENV/U02/CEN/005/06/FT-01

123

Mylan

STRIPPER MEE & ATFD LOG SHEET

Date: 08/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam @ Header	Kg/Cm²	3.6	3.4	3.5	3.6	3.4	3.6	3.4	3.4	3.7	3.8	3.8	3.6	3.8	3.7	3.8	3.7	3.6	3.7	3.6	3.7	3.6	3.5	3.6	3.5
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.6	1.6	1.4	1.6	1.5	1.5	1.8	1.7	1.8	1.7	1.6	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.5	1.5	1.5	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.4	3.2	3.2	3.4	3.2	3.2	3.0	3.2	3.5	3.6	3.7	3.3	3.5	3.5	3.6	3.5	3.3	3.3	3.2	3.2	3.3	3.2	3.2	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.7	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	600	595	600	600	595	595	600	600	617	612	614	606	607	612	613	614	600	600	608	600	600	600	600	600
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.8	5.0	4.4	5.0	5.0	4.4	5.0	3.8	4.0	4.2	4.0	4.5	4.8	5.0	4.5	4.0	4.5	4.5	4.0	4.5	4.5	4.5	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	70	60	70	70	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	80.2	82.2	80.1	82.2	80.1	83.2	80.1	80.6	84.7	84.6	84.7	84.6	84.4	84.7	84.3	84.7	84.2	84.6	84.2	84.8	84.6	84.6	84.8	84.5
16	Stripper bottom	TT-2	80.2	85.1	80.2	85.1	80.2	85.1	80.2	85.2	94.7	94.3	94.8	94.4	94.3	94.4	94.3	94.8	94.2	94.6	94.2	94.6	94.1	94.6	94.2	94.2
17	Col - I Vapour temp	TT-3	86.0	87.1	85.2	86.4	87.0	86.2	87.1	86.9	90.7	91.2	90.0	89.8	90.4	90.7	90.3	91.3	91.2	91.3	91.4	90.8	91.6	94.2	94.2	94.2
18	Col - I Vacuum In mm Hg	VP-1	-125	-125	-135	-140	-135	-140	-135	-135	-131	-109	-129	-132	-141	-138	-146	-129	-126	-124	-126	-128	-125	-128	-128	-127
19	Col - II Vapour temp	TT-4	81.2	82.0	82.1	81.8	82.0	81.8	82.1	82.0	85.2	85.4	84.9	84.6	85.8	85.4	85.9	85.2	85.1	85.2	85.0	85.2	85.2	85.0	85.1	85.2
20	Col - II Vacuum In mm Hg	VP-2	-330	-350	-330	-350	-330	-350	-340	-350	-354	-361	-334	-341	-326	-319	-329	-349	-342	-329	-342	-329	-327	-328	-330	-328
21	Col - III vapor temp	TT-5	61.2	62.1	61.8	62.4	61.8	62.1	61.8	62.1	62.9	63.6	63.0	62.7	64.1	63.8	62.9	62.6	62.6	62.7	62.8	62.4	62.8	62.0	62.1	62.2
22	Col - III Vacuum In mm Hg	VP-3	-550	-565	-550	-565	-570	-565	-570	-570	-549	-526	-554	-541	-534	-549	-536	-528	-530	-520	-530	-530	-528	-540	-536	-531
23	CT -inlet temp	TT-6	34.1	36.1	35.7	36.2	35.9	36.2	36.1	36.4	36.8	37.1	37.3	37.4	37.8	38.2	38.1	39.2	39.1	39.0	39.2	39.2	39.2	38.8	38.8	38.4
24	CT -outlet temp	TT-7	41.1	41.2	41.0	41.2	41.1	41.2	41.1	41.1	40.2	40.4	40.4	40.9	41.0	41.2	41.5	41.8	41.6	41.7	41.6	41.7	41.6	41.4	41.6	41.6
25	ATFD vapor temp	TT-8	81.8	82.1	81.8	82.1	82.4	82.4	83.0	82.4	83.7	82.9	82.6	83.8	82.4	83.0	82.5	83.5	88.8	88.6	88.4	88.9	88.8	88.2	88.6	88.2

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	62554.4	62572.4	18.0	62572.4	62590.4	18.0	62590.4	62608.	18.0	A ⇒ ATFD washing given
MEE Feed totaliser	140726.8	14730.8	4.0	14730.8	14734.6	4.6	14734.6	14738	4.4	C ⇒ ATFD washing given
MEE condensate totaliser	23422.0	23439.0	17.2	23439.0	23455.4	16.0	23455.6	23466	16.6	
MEE concentrate totaliser	11402.8	11405.8	3.0	11415.4	11418.8	3.0	11418.8	11421.8	3.0	
Shift Incharge Sign										

SOP/EMS/ENV/U02/GEN/005/06/FT-01

Verified By

124

Date: 09/08/2023

Mylan

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.6	3.4	3.6	3.6	3.5	3.6	3.5	3.6	3.7	3.6	3.8	3.7	3.8	3.6	3.7	3.4	3.5	3.4	3.4	3.3	3.1	3.2	3.1	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.3	1.4	1.4	1.5	1.5	1.4	1.5	1.7	1.6	1.4	1.5	1.7	1.5	1.6	1.7	1.7	1.6	1.7	1.6	1.6	1.5	1.6	1.6
3	Stripper Feed Rate	KL/Hr	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.4	3.2	3.4	3.4	3.2	3.4	3.2	3.3	3.4	3.3	3.5	3.4	3.6	3.4	3.5	3.3	3.2	3.3	3.2	3.3	3.2	3.3	3.2	3.3
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
9	MEE Concentrate	KL/Hr	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	595	600	600	595	600	595	600	617	612	615	612	610	614	607	609	610	620	610	620	622	624	622	622
11	ATFD Steam Pressure	Kg/Cm²	4.8	5.0	5.0	4.5	5.0	4.8	5.0	5.0	5.0	4.5	4.0	4.8	4.5	4.5	3.8	4.0	4.0	4.2	4.3	4.2	4.3	4.3	4.2	4.3
12	ATFD Feed Rate	KL/Hr	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	82.2	83.2	82.1	83.6	82.1	83.2	82.1	82.2	84.3	83.6	83.8	84.3	84.7	83.9	84.3	84.7	84.1	84.3	84.2	84.3	84.1	84.2	84.1	84.2
16	Stripper bottom	TT-2	94.2	95.1	94.2	95.1	94.2	94.1	94.2	93.5	94.7	94.3	94.5	94.2	94.6	94.4	94.6	94.3	93.1	93.2	93.1	93.2	93.1	93.3	93.6	93.8
17	Col - I Vapour temp	TT-3	86.2	85.9	86.2	85.9	86.4	86.1	85.9	86.1	85.7	86.2	86.7	85.9	85.3	84.9	85.2	85.4	85.7	89.1	88.3	88.7	88.1	89.1	89.2	89.2
18	Col - I Vaccum In mm Hg	VP-1	-115	-120	-105	-130	-135	-130	-145	-140	-178	-181	-184	-194	-176	-194	-164	-128	-131	-132	-131	-132	-123	-124	-120	-118
19	Col - II Vapour temp	TT-4	81.2	80.9	81.2	82.3	81.2	82.1	81.2	80.9	81.3	82.3	82.4	81.4	83.1	81.7	81.8	81.3	80.9	81.8	80.7	80.8	80.7	81.4	81.9	81.8
20	Col - II Vaccum In mm Hg	VP-2	-330	-350	-330	-350	-350	-335	-360	-350	-328	-361	-354	-391	-341	-364	-345	-342	-324	-322	-321	-323	-321	-341	-342	-342
21	Col - III vapor temp	TT-5	61.2	62.0	61.8	61.8	62.0	61.8	62.1	61.8	62.9	63.4	62.8	62.9	63.0	63.2	64.2	62.8	63.1	62.8	62.9	63.1	62.8	63.1	63.2	62.9
22	Col - III Vaccum In mm Hg	VP-3	-530	-550	-530	-530	-530	-530	-600	-595	-529	-535	-531	-524	-529	-546	-529	-543	-522	-521	-524	-523	-521	-529	-531	-528
23	CT -inlet temp	TT-6	36.2	36.5	36.1	36.2	36.4	36.1	36.2	36.4	37.1	37.4	38.0	37.8	38.1	37.8	38.0	38.4	38.1	38.2	38.1	38.2	38.7	38.2	38.1	38.2
24	CT -outlet temp	TT-7	41.1	41.8	42.2	41.9	42.2	41.2	42.1	42.2	40.1	40.3	40.1	40.2	40.0	40.2	40.5	40.7	41.1	41.2	41.1	41.2	41.3	41.2	41.1	41.2
25	ATFD vapor temp	TT-8	82.1	81.8	82.1	82.4	82.4	83.1	82.2	82.4	83.9	83.2	82.9	83.1	83.7	83.2	83.4	82.7	83.1	82.8	83.1	82.8	83.3	83.4	83.6	83.7

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	A ⇒ ATFD Washing Given
Stripper Feed totaliser	62603.0	62626.3	18.0	62626.0	62644.0	18.0	62644	62661	17	
MEE Feed totaliser	14736.9	14741.6	5.0	14741.5	14745.0	4.0	14745	14748	5	
MEE condensate totaliser	23466.0	23484.0	17.2	23478.0	23494.0	16.0	23484.0	23500	16	
MEE concentrate totaliser	11421.8	11424.8	3.0	11423.8	11426.8	3.0	11426.8	11428.8	3.0	
Shift Incharge Sign										

SOP/EHS/ENV/U02/GEN/005/00/FT-01

Verified By

125

Mylan

STRIPPER MEE & ATFD LOG SHEET

Date: 10/08/23

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.4	3.5	3.5	3.4	3.5	2.5	2.8	3.4	3.5	3.6	3.5	3.6	3.4	3.6	3.6	3.8	3.7	3.8	3.6	3.8	3.7	3.8	3.7
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.8	1.4	1.5	1.4	1.5	1.5	1.5	1.2	1.5	1.6	1.5	1.6	1.4	1.6	1.5	1.8	1.6	1.8	1.9	2.2	2.1	2.0	1.8
3	Stripper Feed Rate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.3	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.0	3.1	3.0	2.9	2.9	3.1	3.0	3.1	2.2	3.4	3.2	3.0	3.4	3.0	3.4	3.5	3.6	3.4	3.6	3.4	3.6	3.3	3.6	3.5
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.8	1.8	1.8	1.5	1.8	1.7	1.8	1.7	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.2	2.6	2.0	2.0	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	600	600	600	600	600	600	600	600	600	580	600	580	600	595	600	580	612	609	607	612	609	614	617	612
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.5	4.0	4.8	4.0	4.5	4.0	4.2	6.9	5.0	6.9	5.0	5.0	6.9	5.0	6.8	4.0	4.0	4.5	4.0	5.0	4.0	5.0	4.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	20	20	20	20	20	20	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																									
15	Stripper top	TT-1	84.2	84.0	84.1	84.0	84.2	84.2	84.2	84.2	83.2	86.2	86.1	85.1	86.2	83.9	86.2	85.1	84.3	84.4	84.3	84.3	84.6	84.3	84.6	84.3
16	Stripper bottom	TT-2	95.0	95.1	95.2	95.0	95.0	95.1	95.1	95.2	86.2	85.1	86.2	85.1	86.2	85.0	86.2	85.0	94.8	84.6	93.3	94.1	94.5	94.4	94.2	94.6
17	Col - I Vapour temp	TT-3	85.0	84.8	84.9	84.8	85.1	85.2	84.8	84.7	86.0	85.4	86.2	85.9	86.1	86.4	85.9	86.1	86.3	86.0	87.2	86.9	87.8	86.4	87.8	86.5
18	Col - I Vacuum in mm Hg	VP-1	-120	-115	-110	-118	-112	-116	-118	-120	-115	-120	-125	-115	-120	-120	-115	-120	-209	-231	-309	-200	-208	-211	-202	-204
19	Col - II Vapour temp	TT-4	81.0	80.9	81.2	81.0	80.9	80.8	80.8	80.9	81.2	80.9	81.2	80.6	81.2	81.4	81.5	81.4	81.2	80.7	81.6	81.0	82.3	81.7	82.4	81.6
20	Col - II Vacuum in mm Hg	VP-2	-350	-352	-353	-350	-300	-310	-310	-320	-330	-315	-330	-320	-330	-350	-350	-330	-334	-347	-329	-321	-342	-342	-338	-346
21	Col - III vapor temp	TT-5	61.2	61.2	61.3	61.4	61.4	61.3	66.8	66.6	60.2	61.1	61.2	60.9	61.2	60.6	61.2	60.9	62.8	64.1	63.3	64.7	63.9	64.4	64.2	65.2
22	Col - III Vacuum in mm Hg	VP-3	590	580	-590	-600	-600	-612	-612	618	-530	-600	595	-600	-595	600	-600	595	-531	-527	-525	-521	-526	-547	-538	-542
23	CT -inlet temp	TT-6	36.5	37.0	37.5	37.6	37.0	37.1	-36.8	36.7	36.0	35.9	36.0	35.9	36.2	36.1	36.0	36.2	37.3	37.1	37.4	37.1	36.9	37.1	37.0	36.9
24	CT -outlet temp	TT-7	40.6	40.2	40.6	41.7	41.8	42.7	41.5	41.7	41.2	42.1	40.8	40.0	40.5	42.1	41.6	42.2	40.5	40.0	40.3	40.2	40.1	40.2	40.0	40.1
25	ATFD vapor temp	TT-8	88.4	83.3	83.4	88.4	88.2	87.2	83.4	83.6	80.1	86.1	85.9	86.2	85.9	86.2	86.4	86.1	–	–	–	–	–	–	–	–

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total	Remarks
Stripper Feed totaliser	62661	62678	17	62678.0	62696.2	18.2	62696.2	62714.2	18.0	A shift:- ATFD running
MEE Feed totaliser	14748	14751	4 (3.4)	14751.0	14754.5	5.0	14754.5	14758.9	4.5	B => ATFD washing going
MEE condensate totaliser	23510	25323	15.2	25323.0	25339.0	17.0	23532.6	23549.0	16.4	
MEE concentrate totaliser	11429.8	11432.8	3.0	11432.8	11436.2	3.4	11436.2	11439.5	3.3	
Shift Incharge Sign		[signature]			[signature]			[signature]		

SOP/EHS/ENV/U03/GEN/005/06/FT-01

Verified By [signature]

Date: 11/08/23

Mylan

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.4	3.3	3.4	3.5	3.3	3.2	3.2	3.6	3.4	3.6	3.5	3.6	3.5	3.6	3.6	3.5	3.4	3.7	3.8	3.4	3.8	3.6	3.7
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.6	1.5	1.5	1.6	1.6	1.8	1.5	1.7	1.7	1.5	1.8	[illegible]
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.0	2.9	3.0	3.1	3.0	3.1	3.1	3.0	3.4	3.2	3.4	3.2	3.4	3.2	3.4	3.5	3.4	3.3	3.2	3.4	3.2	3.5	3.4	3.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	600	595	605	600	590	580	600	600	580	600	600	590	600	600	595	595	612	614	612	614	610	612	612
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.5	4.5	4.0	4.5	4.4	4.5	4.0	4.5	4.8	4.8	4.8	5.0	4.8	4.8	5.0	4.8	4.0	4.5	4.0	4.0	5.0	5.0	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																									
15	Stripper top	TT-1	85.1	85.0	85.1	85.0	85.0	84.9	84.8	84.7	83.2	84.2	85.1	86.2	85.1	86.2	83.6	86.2	83.2	84.7	84.3	84.6	84.4	84.6	84.7	84.2
16	Stripper bottom	TT-2	95.1	95.0	95.1	95.2	94.9	94.8	94.7	94.7	94.2	95.1	94.2	95.0	94.8	95.1	94.2	95.1	94.2	94.7	94.2	94.3	94.2	94.3	93.4	94.3
17	Col - I Vapour temp	TT-3	86.0	86.1	86.2	86.0	85.8	85.9	85.8	85.4	86.2	85.9	86.2	86.4	86.4	86.2	86.1	86.2	86.0	84.9	86.2	85.3	86.1	86.9	87.4	88.1
18	Col - I Vaccum In mm Hg	VP-1	-120	-120	-121	-123	-125	-123	-128	-127	-120	-125	-130	-125	-130	-138	-134	-135	-136	-254	-331	-238	-215	-210	-195	-175
19	Col - II Vapour temp	TT-4	81.2	81.3	81.4	81.5	81.6	80.9	80.9	80.7	81.2	80.5	81.2	80.9	81.0	80.6	81.0	80.5	81.0	80.6	81.8	81.0	82.1	83.1	83.4	84.0
20	Col - II Vaccum In mm Hg	VP-2	-310	-305	-312	-315	-300	-300	-310	-320	-330	-350	-360	-350	-345	-350	-325	-350	-360	-359	-364	-369	-340	-319	-300	-298
21	Col - III vapor temp	TT-5	61.2	61.0	61.2	61.3	61.0	60.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.2	60.9	61.0	60.9	61.0	64.1	64.0	64.2	65.1	64.7	65.6	66.2
22	Col - III Vaccum In mm Hg	VP-3	-600	-590	-595	-600	-600	-600	-593	-600	-595	-600	-600	-595	-595	-600	-595	-600	-595	-529	-536	-521	-526	-520	-524	-521
23	CT-inlet temp	TT-6	37.0	37.1	36.9	36.8	36.7	36.8	34.7	34.2	36.2	37.0	36.9	37.0	36.9	36.2	36.2	36.1	36.2	38.9	38.6	38.7	39.0	39.2	39.8	40.2
24	CT-outlet temp	TT-7	40.1	40.1	40.2	40.2	40.1	40.1	41.1	41.2	40.0	40.2	40.4	40.0	40.2	41.8	40.0	40.8	40.0	40.1	[illegible]	41.2	41.2	41.5	41.9	42.2
25	ATFD vapor temp	TT-8	83.8	83.8	83.7	83.8	83.7	83.6	83.5	83.6	83.1	82.8	83.1	83.2	82.5	83.1	82.9	83.1	83.2	83.6	83.7	83.6	82.9	83.7	83.2	83.7

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62714.2	62729.7	16.5	62729.7	62747.3	17.6	62747.3	62765.3	18.0
MEE Feed totaliser	14758.7	14761.0	4.2 (3.74)	14761.0	14765.0	5.0	14763.4	14767.4	4.0
MEE condensate totaliser	23549.0	23563	15.6	23503.0	23579.0	16.8	23574.0	23590.0	16.0
MEE concentrate totaliser	11439.5	11442.5	3.0	11442.5	11445.5	3.0	11445.5	11448.5	3.0
Shift Incharge Sign	(signature)			(signature)			(signature)		

11445.5 11445.5 11448.5

Remarks

'A' Shift – ATFD Flow gien
'B' Shift ⇒ ATFD Washing given

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By (signature)

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Mylan

STRIPPERMEE & ATFD LOG SHEET Date: 12.08.23

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00
1	Steam on Header	Kg/Cm²	3.3	3.4	3.3	3.4	3.3	3.4	3.3	3.4	3.5	3.4	3.5	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.3	1.4	1.3	1.4	1.3	1.4	1.3	1.4	1.4	1.5	1.4	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.1	3.2	3.1	3.2	3.1	3.2	3.1	3.2	3.1	3.0	3.0	3.1
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.1	2.0	2.0	2.2	2.0	2.0	2.0	2.4	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	610	620	610	620	610	620	611	620	600	605	600	601
11	ATFD Steam Pressure	Kg/Cm²	4.2	4.0	5.1	5.2	5.3	5.2	5.3	5.2	4.5	4.0	4.0	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	20	20
	Temperature profile													
15	Stripper top	TT-1	84.3	84.1	84.2	85.1	86.2	86.7	85.2	84.7	85.0	84.2	84.8	84.3
16	Stripper bottom	TT-2	94.3	94.1	94.3	94.2	94.3	94.2	94.1	94.2	94.1	94.2	94.0	94.1
17	Col - I Vapour temp	TT-3	86.1	86.2	86.1	86.2	86.1	86.2	86.1	86.2	84.1	86.2	86.2	86.0
18	Col - I Vacuum in mm Hg	VP-1	-121	-131	-184	-170	-167	-180	-182	-184	-190	-180	-190	-190
19	Col - II Vapour temp	TT-4	81.1	81.2	81.1	81.4	82.1	82.2	82.3	82.2	82.2	82.2	82.3	82.4
20	Col - II Vacuum in mm Hg	VP-2	-341	-347	-331	-362	-370	-360	-371	-357	-350	-340	-355	-360
21	Col - III vapor temp	TT-5	81.3	61.4	61.6	61.7	61.8	61.9	61.8	61.7	61.8	61.2	61.8	61.2
22	Col - III Vacuum in mm Hg	VP-3	-572	-574	-576	-582	-574	-582	-570	-581	-580	-570	-580	-570
23	CT -inlet temp	TT-6	37.1	37.2	37.1	37.2	37.1	37.2	37.1	37.-	38.0	38.1	38.1	38.2
24	CT -outlet temp	TT-7	41.1	41.2	41.2	41.3	41.2	41.3	41.2	41.4	41.4	41.5	41.4	41.7
25	ATFD vapor temp	TT-8	83.4	83.6	83.7	84.1	83.4	83.6	83.7	84.1	83.8	83.7	83.8	83.7

Sl.No	Time	Unit	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.5	3.4	2.3	3.3	3.2	3.4	3.5	3.6	3.7	3.5	3.5
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.5	1.4	1.5	1.4	1.5
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.2	3.2	3.3	3.2	3.0	3.2	3.2	3.4	3.4	3.2	3.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4
10	MEE Vacuum	mmHg	610	610	605	607	535	600	600	535	600	535	600	600
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.0	4.0	4.0	4.5	4.6	4.6	4.5	4.6	4.5	4.6	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	ATFD Salt	Kg/Hr	70	70	7-	20	70	70	70	70	70	70	70	70
	Temperature profile													
15	Stripper top	TT-1	84.8	84.2	84.8	84.9	84.2	83.6	84.2	84.5	84.2	85.1	84.2	84.2
16	Stripper bottom	TT-2	94.2	94.1	94.2	94.1	93.6	94.2	95.4	95.1	94.5	95.1	94.2	95.1
17	Col - I Vapour temp	TT-3	86.1	86.1	86.2	86.1	86.4	85.9	86.4	85.6	86.4	85.0	86.7	85.9
18	Col - I Vacuum in mm Hg	VP-1	-180	-190	195	-190	-150	-160	-150	-160	-170	-195	-195	-195
19	Col - II Vapour temp	TT-4	82.1	82.1	82.1	82.1	82.4	81.6	82.4	81.2	82.1	81.8	82.4	82.4
20	Col - II Vacuum in mm Hg	VP-2	-350	-341	342	-310	-310	-315	-315	-315	-314	-315	-340	-350
21	Col - III vapor temp	TT-5	61.8	61.9	61.8	61.8	61.2	60.9	61.2	60.9	61.2	60.9	61.8	61.8
22	Col - III Vacuum in mm Hg	VP-3	-580	-580	-585	-600	-595	-600	-585	-600	-585	-600	-600	-585
23	CT -inlet temp	TT-6	38.2	38.1	38.1	38.4	38.4	37.9	38.4	38.4	38.4	38.2	38.4	38.4
24	CT -outlet temp	TT-7	41.6	41.7	41.8	41.6	41.5	41.6	41.5	41.6	41.2	41.2	41.2	/
25	ATFD vapor temp	TT-8	83.8	83.5	83.6	83.2	82.4	83.4	84.1	85.1	84.2	85.1	84.2	85.1

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62765.3	62782.3	17.0	62782.3	62799.3	17.0	62799.3	62816.8	17.5
MEE Feed totaliser	14767.4	14770.4	3.0	1477.4	14773.5	5.1	14773.4	14777.0	5.0
MEE condensate totaliser	23590	23606	16	23609	23617	16.3	23617.0	23633.0	16.0
MEE concentrate totaliser	11448.5	11451.5	3	11451.5	11453.5	3.0	11453.5	11456.5	3.0
Shift incharge Sign	[signature]			[signature]			[signature]		

Remarks:
"B" shift :- ATFD Flushing given.
C → ATFD washing given

Verified by [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Date: 13/08/2023.

Mylan

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.8	2.5	2.6	2.8	2.7	2.8	2.8	2.8	2.8	2.9	2.8	2.9	2.9	2.8	2.9	3.0	3.4	3.6	3.6	3.5	3.4	3.8	3.6	3.8
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.7	1.8	1.6	1.8	1.8	1.7	1.6	1.4	1.3	1.3	1.3	1.3	1.4	1.3	1.4	1.4	1.6	1.6	1.6	1.4	1.5	1.5	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.6	2.4	2.3	2.5	2.6	2.5	2.7	2.7	2.7	2.8	2.9	2.8	2.9	2.8	2.8	3.0	3.2	3.2	3.2	3.0	3.1	3.2	3.2	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.7	0.6
8	MEE Condensate	KL/Hr	2.	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4
10	MEE Vaccum	mmHg	612	604	608	612	617	612	603	612	600	595	600	598	600	605	605	600	595	600	600	595	-595	-600	-595	-600
11	ATFD Steam Pressure	Kg/Cm²	4.0	3.5	4.5	3.8	3.9	4.2	4.5	4.2	4.0	4.5	4.0	4.0	4.5	5.0	4.5	4.0	4.5	4.5	4.5	4.4	5.0	5.0	4.5	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	60	70	70	60	70
Temperature profile																										
15	Stripper top	TT-1	84.7	84.6	84.8	84.3	84.3	84.6	84.3	84.3	84.4	84.2	84.2	84.2	84.5	84.4	84.6	84.7	83.9	83.2	83.5	83.6	83.2	83.2	83.1	83.6
16	Stripper bottom	TT-2	94.8	94.8	94.7	94.6	94.4	94.7	93.3	94.5	94.5	94.6	94.5	94.8	94.8	94.6	94.2	94.7	94.2	95.1	94.2	94.2	95.1	94.2	95.1	94.2
17	Col - I Vapour temp	TT-3	85.9	86.2	85.1	84.1	83.9	86.7	87.9	84.7	84.7	84.8	84.8	84.7	84.8	84.7	84.8	84.7	86.1	85.9	86.2	86.1	86.2	85.9	86.1	85.9
18	Col - I Vaccum in mm Hg	VP-1	-291	-299	-301	-294	-281	-286	-238	-281	-201	-250	-195	-197	-200	-195	-195	-198	-112	-120	-115	-115	-130	-115	-130	-130
19	Col - II Vapour temp	TT-4	81.4	81.6	81.7	80.2	81.0	81.8	83.8	80.1	80.1	80.2	80.2	80.2	80.2	80.4	80.3	80.4	80.3	80.2	81.2	80.3	81.2	80.3	81.2	80.3
20	Col - II Vaccum in mm Hg	VP-2	-394	-411	-402	-401	-390	-367	-351	-345	-280	-290	-280	-295	-300	-295	-295	-296	-315	-320	-330	-330	-320	-330	-340	-330
21	Col - III vapor temp	TT-5	61.4	61.0	61.4	61.3	62.7	62.4	63.0	62.0	63.0	61.8	61.8	61.8	61.7	61.8	61.7	61.7	61.2	60.9	61.2	60.2	61.2	60.3	61.2	60.3
22	Col - III Vaccum in mm Hg	VP-3	-548	-556	-550	-551	-546	-554	-550	-539	-530	-525	-530	-530	-530	-530	-525	-530	-555	-565	-595	-595	-600	-595	-600	-595
23	CT -inlet temp	TT-6	37.4	37.1	37.2	37.1	38.4	38.2	38.4	38.1	38.1	38.2	38.1	88.1	88.0	88.1	88.2	88.0	88.1	36.2	36.4	36.2	36.2	36.4	36.2	36.5
24	CT -outlet temp	TT-7	39.2	39.6	39.8	39.9	41.6	40.8	40.7	40.8	40.7	40.8	40.9	40.8	40.7	40.8	40.7	40.1	41.2	41.2	41.2	40.9	41.2	40.9	41.2	
25	ATFD vapor temp	TT-8	83.0	83.1	82.6	82.7	83.2	83.4	83.6	82.8	82.5	83.5	83.5	83.4	82.6	83.2	83.6	83.7	83.2	83.4	83.2	82.2	83.2	82.1	83.2	82.1

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	62816.8	62835.0	18.2	62835.2	62852.7	17.0	62852.2	62871.2	19.0	"A" Shift ATFD Flushing given.
MEE Feed totaliser	147777.0	147780.0	3.0	147781.0	147787.2	5.0	147787.2	147781.0	5.0	
MEE condensate totaliser	23633.0	23650.2	17.2	23656.2	23663	16.2	23663.0	23675.0	12.0	
MEE concentrate totaliser	11457.5	11460.5	3.0	11460.5	11463.5	3.0	11463.5	11466.5	3.0	
Shift Incharge Sign										

SOP/EHS/ENV/U02/CEN/005/04/FT-01

Verified By

124

Mylan

STRIPPERMEE & ATFD LOG SHEET

Date: 14/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.8	3.6	3.8	3.5	3.6	3.4	3.5	3.7	3.8	8.6	3.7	3.5	3.6	3.5	36	35	3.3	3.4	3.5	3.6	3.4	35	3.4	3.5
2	Stripper Steam Pressure	Kg/Cm²	1.8	1.6	1.6	1.8	1.5	1.6	1.6	1.8	1.6	1.5	1.6	1.6	1.5	1.5	1.6	1.6	1.7	1.8	1.7	1.6	1.3	1.4	1.3	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	2.9	3.2	3.4	3.2	3.4	3.2	3.4	3.6	3.4	3.8	3.7	3.5	3.4	3.3	3.7	3.7	3.4	3.4	3.3	3.4	3.3	3.4	3.3	3.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.8	2.8	1.8	1.8	1.8	1.8	1.8	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.2	0.2	0.7	0.2	0.2	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.3	2.3	2.8	2.3	2.3	2.8	2.3	2.3	0.3	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	610	607	612	609	610	607	612	607	600	602	604	600	600	605	601	600	610	610	610	610	620	610	620	610
11	ATFD Steam Pressure	Kg/Cm²	4.0	5.0	4.5	4.0	4.0	4.5	5.0	5.5	5.0	5.0	4.5	4.5	4.4	4.5	4.8	4.5	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.82	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	80	80	80	80	80	80
	Temperature profile																									
15	Stripper top	TT-1	84.6	84.5	84.8	84.6	84.3	84.5	84.6	84.3	84.4	84.6	84.7	84.8	84.7	84.8	84.7	84.8	84.1	84.2	84.1	84.2	83.8	84.1	84.2	83.7
16	Stripper bottom	TT-2	84.7	84.4	84.6	84.8	84.7	84.6	84.8	84.7	94.8	94.7	94.8	94.8	94.2	94.7	94.6	94.1	93.7	94.2	93.8	94.2	93.1	93.7	94.1	94.2
17	Col - I Vapour temp	TT-3	87.1	86.2	86.3	86.5	87.4	86.2	85.3	84.9	84.8	84.7	84.8	84.6	84.7	84.7	84.7	84.7	84.2	84.1	84.2	84.1	84.1	84.2	84.1	84.2
18	Col - I Vacuum in mm Hg	VP-1	-217	-214	-212	-204	-201	-212	-201	-190	-190	-195	-198	-200	-198	-195	-198	-197	-181	-184	-186	-152	-171	-182	-184	-172
19	Col - II Vapour temp	TT-4	82.1	81.6	81.4	81.3	82.7	81.9	81.0	80.8	80.8	80.7	80.8	80.8	80.8	88.1	80.8	80.7	80.9	82.8	80.9	80.8	81.1	81.2	81.1	81.2
20	Col - II Vacuum in mm Hg	VP-2	-339	-331	-336	-328	-314	-316	-328	-319	-315	-320	-319	-82.4	82.4	82.4	82.8	82.7	83.1	82.9	83.1	82.8	82.2	82.1	82.2	82.1
21	Col - III vapor temp	TT-5	64.2	63.9	64.1	64.6	61.9	62.6	62.4	62.7	62.6	62.2	62.4	62.8	62.8	62.6	62.1	62.8	63.1	63.2	62.8	63.1	62.8	63.1	62.7	63.1
22	Col - III Vacuum in mm Hg	VP-3	-528	-520	-514	-529	-531	-526	-519	-531	-530	-535	-536	530	-540	-530	-530	-525	-532	-520	-530	520	521	-532	-540	-542
23	CT-inlet temp	TT-6	37.9	38.2	38.0	38.1	37.9	38.0	37.8	37.7	38.4	38.8	38.7	38.4	38.4	38.2	38.2	38.2	38.1	38.2	38.1	38.2	38.1	38.2	38.1	38.2
24	CT-outlet temp	TT-7	40.0	40.6	40.5	40.6	40.4	40.5	40.6	40.3	41.2	41.3	41.4	41.9	41.8	41.2	41.8	41.7	41.1	41.2	41.3	41.2	41.1	41.2	41.1	41.2
25	ATFD vapor temp	TT-8	83.2	83.3	82.9	83.6	83.7	83.8	83.9	82.6	84.1	84.2	84.3	84.2	84.2	84.2	84.2	84.2	84.1	84.1	84.1	84.2	84.1	84.2	84.1	84.2

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62871.2	62889.0	17.8	62888.0	62906.4	17.4	62906.4	62923	16.6
MEE Feed totaliser	14787.0	14790.2	5.0	14790.2	14793.4	5.2	14793.4	14798.4	5.0
MEE condensate totaliser	23676.8	23687.0	16.2	23687.0	23707	16.8	23707	23716	15.6
MEE concentrate totaliser	11466.5	11469.5	3.0	11469.5	11472.5	3.0	11472.5	11475.5	3.0
Shift incharge Sign	(signature)			(signature)			(signature)		

Remarks: "B" shift :- ATFD Flushing given.

SOP/EBS/ENV/U02/CEN/005/06/FT-01

Verified By (signature)

Date: 15/08/2023

Mylan

STRIPPER,MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.6	3.6	3.4	3.4	3.6	3.6	3.4	3.4	3.3	3.2	3.1	3.2	3.1	3.2	3.1	3.0	3.2	3.1	3.2	3.4	3.4	3.4	3.4
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.6	1.5	1.6	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6
3	Stripper Feed Rate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.1	2.3	2.2	2.2	2.2	2.2	2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.4	3.2	3.2	3.2	3.4	3.4	3.2	3.2	3.1	3.2	3.1	3.2	3.1	3.2	3.1	3.2	3.2	3.1	3.2	3.1	3.2	3.1	3.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.9	1.8	1.9	1.8	1.9	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.1	2.2	2.0	2.0	2.0	2.0	2.1	2.1	2.0
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	595	600	595	600	600	610	615	600	600	595	590	595	590	595	596	555	598	595	560	585	585	580	585	
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.6	4.5	4.6	4.5	4.5	4.5	4.6	4.6	4.5	4.6	4.5	4.3	4.4	4.5	4.3	4.5	4.4	4.3	4.2	4.3	4.2	4.3	4.2
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.33	0.33	0.33	0.33	0.33	0.33	0.33
14	ATFD Salt	Kg/Hr	70	70	70	60	60	60	60	60	60	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.2	83.9	84.2	84.1	83.6	84.2	84.2	85.1	85.1	85.2	85.1	85.0	85.2	85.1	85.2	85.0	85.1	84.8	85.1	84.8	85.8	84.2	85.1	84.8
16	Stripper bottom	TT-2	93.4	94.2	95.4	94.2	94.5	94.6	94.2	95.7	95.7	95.8	95.7	95.6	95.5	95.4	95.5	95.4	95.4	94.8	94.1	94.2	94.1	94.2	94.2	94.3
17	Cal - I Vapour temp	TT-3	98.5	95.4	94.2	86.4	92.2	85.9	65.8	85.8	85.6	85.4	85.2	85.1	85.2	85.2	85.1	85.2	85.4	85.8	84.2	85.2	86.1	85.8	86.1	65.8
18	Cal - I Vaccum in mm Hg	VP-1	-130	-120	-130	-130	-138	-136	-138	-135	-130	-132	-136	-138	-139	-136	-138	-135	-137	-138	-141	-142	-137	-138	-138	-136
19	Cal - II Vapour temp	TT-4	80.5	80.8	80.5	80.8	80.6	80.4	80.5	80.3	80.4	80.5	80.4	80.8	80.4	80.7	80.9	80.6	80.7	81.1	81.2	81.3	81.2	81.3	81.2	81.4
20	Cal - II Vaccum in mm Hg	VP-2	-330	-332	-331	-330	-338	-336	-338	-332	-331	-332	-331	-332	-332	-338	-339	-338	-339	-340	-341	-342	-341	-342	-341	-342
21	Cal - III vapor temp	TT-5	81.2	81.4	81.4	81.2	81.0	81.2	81.4	81.3	81.4	81.6	81.4	84.8	84.9	84.2	84.4	84.6	84.3	84.4	84.4	84.3	84.4	84.3	84.4	84.3
22	Cal - III Vaccum in mm Hg	VP-3	-350	-350	-354	-350	-351	-350	-351	-352	-350	-351	-352	-351	-352	-351	-350	-351	-351	-360	-360	-360	-360	-360	-360	-360
23	CT -Inlet temp	TT-6	36.5	36.4	36.6	36.4	36.4	36.3	36.2	36.2	36.2	36.1	36.2	36.1	36.2	36.4	36.0	36.1	36.2	36.1	36.2	36.1	36.2	36.1	36.2	36.1
24	CT -outlet temp	TT-7	41.2	41.2	41.4	41.2	41.2	41.8	41.4	41.8	41.8	41.9	41.4	41.2	41.5	41.2	41.0	41.2	41.8	41.4	41.2	41.4	41.6	41.2	41.5	41.2
25	ATFD vapor temp	TT-8	84.1	84.2	84.6	84.2	84.1	84.2	84.1	84.3	84.1	84.2	84.0	84.2	84.1	84.2	84.9	84.3	84.2	84.1	84.1	84.1	84.1	84.2	84.2	84.2

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	62923.0	62941.0	18.0	62941.0	62959	18	62959	62976	17	A ⇒ ATFD washing & cleaning
MEE Feed totaliser	14796.5	14800.0	5.0	14800.0	14802.5	2.5	14802.5	14805.5	5.0	B ⇒ ATFD wetting & drying
MEE condensate totaliser	23716.0	23732.0	17.0	23732.0	23740	17	23740	23756	16	
MEE concentrate totaliser	11475.5	11478.5	3.0	11478.3	11481.3	3.0	11481.3	11484.3	3	
Shift Incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

131

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Date: 16/08/2023

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.5	3.4	3.6	3.4	3.6	3.4	3.5	3.4	3.4	3.6	3.7	3.4	3.6	3.8	3.6	3.8	3.2	3.3	3.2	3.3	3.2	3.3	3.2	3.3
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.5	1.6	1.5	1.6	1.4	1.5	1.4	1.6	1.7	1.8	1.6	1.7	1.4	1.6	1.7	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	3.2	3.1	3.2	3.2	3.2	3.2	3.3	3.2	3.3	3.5	3.6	3.2	3.5	3.4	3.5	3.6	3.5	3.6	3.5	3.6	3.5	3.6	3.5	3.6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	MEE Condensate	KL/Hr	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9	MEE Concentrate	KL/Hr	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	-595	-600	-595	-600	-595	-600	-595	-590	612	609	610	603	607	609	612	612	6.7	6.2	6.3	6.2	6.2	6.3	6.2	6.3
11	ATFD Steam Pressure	Kg/Cm²	6.8	4.5	6.8	5.0	4.8	5.5	5.0	5.2	3.8	4.2	4.3	4.7	4.0	4.0	4.5	4.0	4.7	4.8	4.7	5.1	4.8	5.1	4.8	5.2
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	60	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile																									
15	Stripper top	TT-1	83.2	84.1	84.5	84.2	83.6	84.1	83.2	84.1	84.3	83.7	84.6	84.3	84.7	84.3	83.6	84.4	84.1	84.2	84.1	84.2	84.1	84.7	84.2	84.3
16	Stripper bottom	TT-2	84.0	84.2	85.1	84.2	84.2	83.6	84.2	84.1	84.6	84.5	84.4	84.3	84.7	84.8	84.8	84.6	92.9	97.4	92.2	97.4	90.2	94.1	53.4	57.2
17	Col-I Vapour temp	TT-3	86.4	85.9	86.4	86.4	86.1	85.9	86.1	86.2	84.9	85.3	84.3	84.3	84.9	86.9	84.8	86.7	87.1	86.9	87.2	86.8	87.2	86.8	87.2	86.7
18	Col-I Vaccum in mm Hg	VP-1	-125	-130	-125	-130	-135	-130	-125	-125	-242	-231	-219	-226	-219	-224	-209	-212	-150	-182	-192	-180	-150	-180	-150	-180
19	Col-II Vapour temp	TT-4	80.9	81.2	80.9	81.2	81.2	80.9	81.2	80.9	80.6	81.1	80.0	80.1	80.4	81.6	80.7	82.1	83.1	82.2	83.1	82.8	83.1	82.8	83.1	82.8
20	Col-II Vaccum in mm Hg	VP-2	-395	-600	-395	-600	-335	-600	-595	-335	-361	-354	-361	-348	-352	-354	-341	-348	-340	-340	-341	-332	-340	-340	-340	-338
21	Col-III vapor temp	TT-5	61.2	62.0	61.8	61.5	61.2	60.9	61.2	60.6	61.6	61.0	61.2	61.7	60.0	61.2	60.7	61.9	61.2	61.2	61.1	60.2	61.1	60.2	61.1	60.2
22	Col-III Vaccum in mm Hg	VP-3	-595	-600	-595	-600	-595	-600	-595	-600	-581	-546	-552	-559	-556	-551	-543	-542	-550	-570	-570	-550	-570	-550	-572	-570
23	CT-inlet temp	TT-6	36.2	35.6	36.2	36.1	36.2	35.9	36.0	36.1	36.8	37.0	36.7	36.8	36.9	37.4	37.4	37.9	38.0	38.2	37.7	38.2	37.7	38.2	37.2	38.2
24	CT-outlet temp	TT-7	41.2	42.0	41.4	41.5	41.0	42.0	41.2	41.2	40.1	40.6	40.2	40.1	40.6	40.2	40.3	40.6	41.4	41.2	41.1	41.1	41.2	41.3	41.2	41.3
25	ATFD vapor temp	TT-8	82.6	83.2	82.8	83.1	82.1	81.8	82.2	82.4	83.1	82.9	82.6	83.0	82.7	82.4	83.2	83.7	84.1	84.2	83.8	84.1	83.8	84.1	83.8	84.4

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	62976.0	62994.0	18.0	62994.0	63011.0	17.0	63011	63028	17
MEE Feed totaliser	14805.0	14809.0	5.0	14809.0	14812.5	3.5+2=5.5	14812.5	14815.5	3
MEE condensate totaliser	23761	23775.5	17.0	23768.3	23785.0	16.7	23785	23801	16
MEE concentrate totaliser	14484.3	14487.5	3.0	14487.3	14490.3	3.0	14490.3	14493.3	3
Shift incharge Sign		[signature]			[signature]			[signature]	

Remarks: A → ATFD Washing given

Verified By [signature]

Date: 17/08/23

Mylan

STRIPPER MEE & ATFD LOG SHEET

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3·5	3.6	3.4	3.5	3.4	2.8	2.5	2.6	3.5	3.6	3.4	3.6	3.9	3.5	3.6	3.6	3.8	3.6	3·8	3·4	3·4	3·5	3·6	3·8
2	Stripper Steam Pressure	Kg/Cm²	1·4	1·5	1·4	1·4	1·4	1·5	1·5	1·5	1·4	1·5	1·4	1·5	1·6	1·4	1·5	1·6	1·6	1·7	1·6	1·7	1·6	1·5	1·4	1·6
3	Stripper Feed Rate	KL/Hr	2·4	2·4	2·4	2·4	2·4	2·4	3·4	3·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4
4	Stripper Distillate Qty.	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
5	MEE Steam Pressure	Kg/Cm²	3.1	3.2	3·1	3.0	3·0	2.9	3·0	3.2	3.2	3.4	3.2	3.4	3.2	3.2	3.4	3.4	3·4	3·3	3·5	3·2	3·2	3·4	3·5	3·6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0·6	0·6	0.6	0.6	0·6	0.6	0·6	0.6	0.6	0.7	0·6	0·7	0·6	0·6	0·7	0·6	0·7	0·7	0·7	0·7	0·7	0·7	0·7	0·7
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0·4	0.4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·5	0·4	0·5	0·5	0·5	0·4	0·5	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
10	MEE Vacuum	mmHg	600	595	595	600	598	600	600	600	595	600	595	600	600	595	600	600	602	605	609	609	618	614	617	612
11	ATFD Steam Pressure	Kg/Cm²	4·0	4·5	4·0	4·5	4·5	4·0	5·0	4·5	4·6	4·5	4·6	4·7	4·5	4·6	4·5	4·6	4·5	4·2	4·5	4·5	4·0	4·2	4·8	4·5
12	ATFD Feed Rate	KL/Hr	0.4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·5	0·4	0·5	0·5	0·5	0·4	0·5	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
13	ATFD Condensate	KL/Hr	0.32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·3	0·4	0·3	0·4	0·4	0·3	0·3	0·4	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	60	70	60	60	70	60	60	60	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	85·1	85·2	85·0	85·1	85·1	85·2	85·3	85·7	85·1	84·2	83·9	84·2	84·2	85·1	84·2	84·2	84·3	84·7	84·7	84·6	84·8	84·5	84·8	84·6
16	Stripper bottom	TT-2	95·1	95·1	95·2	95·3	95·2	95·3	95·0	95·2	94·2	95·1	94·2	95·1	96·5	96·6	95·1	94·2	84·6	84·4	84·7	84·6	84·6	84·3	84·6	84·9
17	Col - I Vapour temp	TT-3	86·1	86·0	85·9	86·0	86·0	86·1	86·1	86·2	86·1	85·9	85·0	86·2	85·6	86·2	86·4	86·5	85·9	86·4	86·8	87·6	87·0	86·9	87·2	86·4
18	Col - I Vacuum in mm Hg	VP-1	-126	-125	-126	-127	-125	-122	-128	-125	-130	-135	-134	-136	-135	-134	-136	-137	-137	-136	-134	-129	-228	-244	-221	-205
19	Col - II Vapour temp	TT-4	80·9	80·8	80·6	80·7	80·8	80·7	80·2	80·2	81·2	80·9	81·2	80·9	81·2	81·2	81·5	81·7	82·0	82·6	82·8	82·9	83·6	82·4	82·0	
20	Col - II Vacuum in mm Hg	VP-2	-330	-326	-330	-325	-315	-320	-325	-320	-330	-330	-330	-340	-330	-340	-330	-340	-318	-318	-312	-298	-342	-346	-348	-326
21	Col - III vapor temp	TT-5	61.2	61.2	61.4	61.3	61.2	61.4	60·3	61·2	61·2	61·9	61·2	60·6	61·2	60·5	61·2	60·5	61·6	61·7	62·4	61·6	62·7	64·1	63·8	64·2
22	Col - III Vacuum in mm Hg	VP-3	-595	-590	-595	-596	-595	-600	-601	-600	-555	-600	-595	-600	-600	-591	-600	-600	-549	-546	-548	-546	-541	-535	-529	-529
23	CT -inlet temp	TT-6	39·0	39·0	39·1	35·2	39·1	39·2	39·1	39·0	38·2	38·9	38·2	38·9	36·1	36·2	36·2	36·4	39·8	39·7	39·9	39·8	39·6	39·7	39·8	39·8
24	CT -outlet temp	TT-7	41·3	41·2	41·3	41·2	41·2	41·4	41·3	40·8	41·2	40·9	41·2	40·6	41·2	40·5	41·2	41·8	41·3	41·5	41·7	41·5	42·0	42·1	41·0	41·9
25	ATFD vapor temp	TT-8	83·9	83·8	83·7	83·6	83·7	83·8	83·7	83·5	83·2	82·2	82·1	82·2	81·9	82·1	82·5	82·1	83·6	83·4	83·1	83·2	82·7	84·8	82·0	83·8

SHIFT	A			B			C		
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total
Stripper Feed totaliser	63028	63045	17	63045.0	63062.6	17.6	63082.8	63084.7	22.1
MEE Feed totaliser	14815.5	14819.4	5.0	14818.4	14821.4	5.0	14821.4	14823.7	2.3+2=4.3
MEE condensate totaliser	23801	23814	16.2	23814.0	23830.0	17.0	22830.6	23839.0	18.4
MEE concentrate totaliser	144933	144963	3.0	144963	144993	3.0	144993	145023	3.0
Shift Incharge Sign									

Remarks

A' shift - ATFD Flow given

B ⇒ ATFD washing given

Verified By

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Mylan

STRIPPER/MEE & ATFD LOG SHEET

Date: 18/08/23

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam at Header	Kg/Cm²																								
2	Stripper Steam Pressure	Kg/Cm²																								
3	Stripper Feed Rate	KL/Hr																								
4	Stripper Distillate Qty.	KL/Hr																								
5	MEE Steam Pressure	Kg/Cm²																								
6	MEE Feed Rate (Stripper Bottom)	KL/Hr																								
7	MEE Feed Rate (RO Rejects)	KL/Hr																								
8	MEE Condensate	KL/Hr																								
9	MEE Concentrate	KL/Hr																								
10	MEE Vaccum	mmHg																								
11	ATFD Steam Pressure	Kg/Cm²																								
12	ATFD Feed Rate	KL/Hr																								
13	ATFD Condensate	KL/Hr																								
14	ATFD Salt	Kg/Hr																								
Temperature profile																										
15	Stripper top	TT - 1																								
16	Stripper bottom	TT - 2																								
17	Cal - I Vapour temp	TT - 3																								
18	Cal - I Vaccum in mm Hg	VP - 1																								
19	Cal - II Vapour temp	TT - 4																								
20	Cal - II Vaccum in mm Hg	VP - 2																								
21	Cal - III vapor temp	TT - 5																								
22	Cal - III Vaccum in mm Hg	VP - 3																								
23	CT -inlet temp	TT - 6																								
24	CT -outlet temp	TT - 7																								
25	ATFD vapor temp	TT - 8																								

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser										
MEE Feed totaliser										
MEE condensate totaliser										
MEE concentrate totaliser										
Shift Incharge Sign										

Verified By

MYLAN LABORATORIES LIMITED, UNIT - II

Mylan

STRIPPER, MEE & ATFD LOG SHEET

Date: 19.08.2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²																				2.5	2.4	2.5	2.4	2.4
2	Stripper Steam Pressure	Kg/Cm²																				1.1	1.2	1.1	1.2	1.1
3	Stripper Feed Rate	KL/Hr																				2.7	2.8	2.7	2.7	2.7
4	Stripper Distillate Qty.	KL/Hr																				0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²																				1.2	1.2	1.1	1.0	1.0
6	MEE Feed Rate (Stripper Bottom)	KL/Hr																				2.3	2.3	2.3	2.3	2.3
7	MEE Feed Rate (RO Rejects)	KL/Hr																				0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr																				2.7	2.7	2.7	2.7	2.7
9	MEE Concentrate	KL/Hr																				0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg																				-582	-584	-578	-583	-576
11	ATFD Steam Pressure	Kg/Cm²																				4.2	4.3	4.2	4.2	4.3
12	ATFD Feed Rate	KL/Hr																				0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr																				0.33	0.33	0.33	0.33	0.33
14	ATFD Salt	Kg/Hr																				70	70	70	70	70
Temperature profile																										
15	Stripper top	TT - 1																				84.2	84.1	84.2	84.1	83.8
16	Stripper bottom	TT - 2																				92.8	93.1	92.8	93.1	92.8
17	Cal - I liquid temp	TT - 3																				127.2	127.8	126.4	127.1	126.9
18	Cal - I shell temp	TT - 4																				114	115	114	113	112
19	Cal - I vapor temp	TT - 5																				94.2	94.1	94.2	94.1	94.2
20	Cal - II A liquid temp	TT - 6																				86.1	86.2	86.2	86.1	86.2
21	Cal - II A & B vapor temp	TT - 7																				90.2	90.2	90.1	90.2	90.1
22	Cal - II B liquid temp	TT - 8																				74.2	74.1	74.2	74.1	74.2
23	Cal - III vapor temp	TT - 9																				76.2	76.2	76.2	76.1	76.2
24	Cal - III liquid temp	TT - 10																				31.2	70.2	70.2	69.8	69.2
25	CT -inlet temp	TT - 11																				37.8	31.2	31.3	31.2	31.3
26	CT -outlet temp	TT - 12																				37.2	37.8	38.1	37.9	38.2
27	ATFD vapor temp	TT - 13																				81.1	81.2	82.2	82.3	82.2

Plant Stopped MEE Set Cleaning

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser							63084.7	63110.3	25.6	
MEE Feed totaliser							52483 ~~54823.7~~	52490	7.0	
MEE condensate totaliser							65582	65598.6	16.6	
MEE concentrate totaliser									4.0	
Shift Incharge Sign								[signature]		

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

136

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 20/08/2023

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.5	2.4	2.5	2.5	2.3	2.5	2.6	2.4	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.5	2.6	2.6	2.5	2.6	2.6
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.7	1.6	1.6	1.5	1.7	1.6	1.8	1.0	1.0	[illegible]	0.9	1.0	1.0	0.9	0.9	1.0	1.2	1.0	1.2	1.2	1.2	1.2	1.2
3	Stripper Feed Rate	KL/Hr	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.1	0.9	1.0	1.1	1.0	0.9	1.0	0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.2	1.1	1.0	1.2	1.1
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	2.7	2.7	2.7	2.8	2.7	2.6	2.7	2.7
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
10	MEE Vacuum	mmHg	602	602	602	600	602	600	602	601	600	600	590	600	600	600	600	600	-595	-600	-595	600	-595	-600	-600	-600
11	ATFD Steam Pressure	Kg/Cm²	4.0	5.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	4.5	5.0	4.5	4.8	4.5	4.5	4.6	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.8	84.3	84.6	84.5	84.6	84.3	84.4	84.3	85.2	85.4	85.0	85.2	85.2	85.1	85.2	85.3	86.2	85.1	86.2	85.1	86.2	83.2	86.1	86.2
16	Stripper bottom	TT-2	94.7	94.3	94.8	94.6	94.7	94.6	94.3	94.8	94.7	94.8	94.7	94.5	94.1	94.1	94.2	94.0	86.2	85.1	86.1	85.1	86.2	83.5	94.2	94.2
17	Cal - I liquid temp	TT-3	107.4	109.2	109.6	101.7	107.4	101.9	106.7	107.7	101.4	101.2	104.8	101.6	101.7	101.6	101.2	101.7	112.2	102.1	101.3	101.5	102.7	102.1	101.8	102.2
18	Cal - I shell temp	TT-4	118.9	116.9	117.4	117.9	117.4	115.7	117.1	115.4	118.[illegible]	118.4	118.7	118.6	118.7	118.1	118.2	11[illegible]	110.2	117.0	118.1	115.6	116.7	115.4	116.1	115.6
19	Cal - I vapor temp	TT-5	98.3	98.8	98.6	99.4	98.7	97.9	93.9	94.6	94.7	94.8	94.7	94.3	94.0	94.1	94.7	94.3	94.2	96.2	96.4	99.2	99.4	99.8	95.6	89.2
20	Cal - II A liquid temp	TT-6	96.4	95.2	96.2	96.7	96.1	90.2	91.3	92.8	92.8	92.7	92.7	92.8	92.7	92.1	92.2	92.3	92.0	91.8	92.2	91.8	92.2	92.1	91.8	92.2
21	Cal - II A & B vapor temp	TT-7	85.2	84.7	84.6	84.8	84.7	82.6	83.9	87.3	87.2	87.5	87.6	87.7	87.4	87.0	82.2	81.2	86.2	85.9	86.2	85.6	86.1	86.0	85.9	86.1
22	Cal - II B liquid temp	TT-8	80.3	80.6	80.8	80.7	80.1	79.4	80.0	81.1	81.0	80.9	80.8	80.7	80.8	80.7	80.8	80.8	80.1	81.2	80.6	80.5	80.2	81.0	80.9	80.2
23	Cal - III vapor temp	TT-9	77.9	78.4	78.0	78.2	78.7	74.6	74.5	74.4	74.4	74.6	74.7	74.6	74.1	74.1	74.2	74.2	74.2	75.6	76.1	75.2	76.4	70.2	73.5	74.1
24	Cal - III liquid temp	TT-10	72.6	74.7	73.1	72.9	72.6	70.7	70.6	70.3	72.1	72.2	72.4	72.4	70.7	72.1	72.2	72.[illegible]	76.2	75.2	77.4	77.5	77.7	77.0	76.2	76.4
25	CT -inlet temp	TT-11	29.7	29.9	30.1	30.4	30.2	30.8	30.9	30.8	30.8	30.7	30.8	30.7	30.8	30.8	30.7	30.8	30.9	31.2	30.2	31.2	31.7	31.5	31.6	31.7
26	CT -outlet temp	TT-12	36.7	36.7	36.8	37.1	36.9	37.4	37.9	37.3	36.6	36.7	36.6	36.6	36.6	36.6	36.2	36.[illegible]	37.8	38.1	37.7	36.9	37.[illegible]	37.3	38.1	38.0
27	ATFD vapor temp	TT-13	83.1	82.7	82.7	82.4	82.9	83.6	84.6	84.8	91.2	91.2	91.3	91.7	94.3	91.2	91.3	91.4	81.2	82.1	82.2	83.1	83.1	83.7	80.9	83.1

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	63110.3	63133.5	23.2	63133.5	631526	22.1	63152.6	63174.1	21.5
MEE Feed totaliser	524880	524947	7.7	524947	525000	5.2	525000	525055	5.5
MEE condensate totaliser	65108.2	151881	24.9	651281	651476	22.1	651476	651646	21.0
MEE concentrate totaliser	14505.3	14508.3	3.0	14508.3	14511.3	3.0	14511.3	14514.3	3.0
Shift incharge Sign	[signature]			[signature]			[signature]		

Remarks: "B" shift - ATFD flows given

Verified By [signature]

SOP/SHS/ENV/U02/GEN/003/06/FT-01

MYLAN LABORATORIES LIMITED, UNIT - II

Mylan

STRIPPER, MEE & ATFD LOG SHEET

Date: 21/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3·2	2·8	3·1	3·2	3·0	3·2	3·0	3·4	2·5	2·4	2·3	2·4	2·3	2·2	2·4	2·2	2·3	2·4	2·3	2·3	2·4	2·4	2·8	2·4
2	Stripper Steam Pressure	Kg/Cm²	1·7	1·6	1·7	1·6	1·5	1·6	1·3	1·8	1·5	1·4	1·5	1·6	1·5	1·6	1·7	1·6	1·5	1·4	1·3	1·4	1·3	1·2	1·3	1·2
3	Stripper Feed Rate	KL/Hr	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·7	2·8	2·8	2·8	2·7	2·8
4	Stripper Distillate Qty.	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
5	MEE Steam Pressure	Kg/Cm²	0·9	1·0	0·9	1·0	1·2	1·1	0·9	1·0	1·1	1·0	1·2	1·1	1·2	1·1	1·1	1·0	1·1	1·1	1·2	1·1	1·2	1·1	1·2	1·2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·4	2·3	2·4	2·4	2·4	2·4	2·3	2·4	2·4	2·4	2·4	2·4
7	MEE Feed Rate (RO Rejects)	KL/Hr	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8	0·8
8	MEE Condensate	KL/Hr	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·8	2·7	2·8	2·8	2·8	2·7	2·8
9	MEE Concentrate	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
10	MEE Vaccum	mmHg	601	602	602	604	608	604	602	602	600	601	600	600	600	600	601	602	601	600	600	605	595	600	595	600
11	ATFD Steam Pressure	Kg/Cm²	4·0	3·5	4·0	3·8	4·0	4·2	4·5	4·5	4·0	3·5	3·5	3·8	3·6	3·5	3·6	3·8	3·8	4·0	4·5	4·0	4·8	4·8	4·0	4·5
12	ATFD Feed Rate	KL/Hr	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4	0·4
13	ATFD Condensate	KL/Hr	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32	0·32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84·8	84·6	84·7	84·6	84·7	84·3	84·5	84·9	84·8	84·6	84·7	84·8	84·7	84·6	84·5	84·5	84·7	84·1	84·2	84·0	84·1	84·1	84·2	84·2
16	Stripper bottom	TT-2	94·3	94·7	94·6	94·7	94·5	94·6	94·8	94·3	94·1	94·2	94·1	94·0	94·2	94·1	94·2	94·3	94·6	94·7	94·6	94·7	94·6	94·7	94·6	94·7
17	Col - I liquid temp	TT-3	103·4	101·6	104·4	103·2	103·0	105·6	104·3	104·9	103·8	103·6	103·7	103·7	103·7	103·6	103·6	103·7	103·8	103·4	103·7	103·6	103·7	103·6	103·7	103·8
18	Col - I shell temp	TT-4	112·5	112·4	112·8	113·4	113·6	112·9	113·2	112·3	112·2	112·1	112·1	113·0	112·1	112·3	112·6	113·8	114·6	114·7	114·6	114·6	114·7	114·2	114·5	114·2
19	Col - I vapor temp	TT-5	98·4	98·7	98·4	99·2	98·2	98·7	98·6	98·2	98·1	98·2	98·1	98·0	98·1	98·2	98·0	98·7	98·6	99·1	98·2	98·3	98·5	99·2	98·3	99·2
20	Col - II A liquid temp	TT-6	92·9	92·6	93·4	93·8	93·1	93·6	94·0	93·7	93·6	93·4	93·5	93·8	93·9	93·6	93·8	93·7	93·8	94·1	94·2	94·3	94·4	94·5	94·3	94·1
21	Col - II A & B vapor temp	TT-7	87·4	86·9	88·2	87·1	87·8	88·0	87·4	87·3	87·1	87·1	87·4	87·6	87·1	87·2	87·1	87·2	87·2	87·2	87·2	87·4	87·3	81·2	81·4	81·5
22	Col - II B liquid temp	TT-8	87·1	87·0	87·4	86·3	87·1	86·7	84·9	84·3	84·4	84·6	84·8	84·4	84·5	84·8	84·7	84·8	84·5	84·9	85·0	85·1	85·2	85·0	85·1	85·1
23	Col - III vapor temp	TT-9	77·4	77·8	77·4	77·4	76·9	77·4	76·9	77·8	76·5	76·9	77·0	77·1	77·2	77·8	77·8	77·9	77·8	79·3	79·8	79·5	79·8	79·2	79·8	79·8
24	Col - III liquid temp	TT-10	74·9	75·6	75·2	75·8	75·1	74·6	74·9	74·5	74·8	74·6	74·3	74·2	74·3	74·8	74·9	74·8	74·5	88·1	88·2	88·3	88·4	88·2	88·1	88·1
25	CT -inlet temp	TT-11	32·2	32·3	32·1	32·6	32·5	33·0	33·4	34·0	34·1	34·2	34·8	34·1	34·2	34·2	34·1	34·2	34·2	34·2	34·3	32·1	32·2	34·0	33·2	33·2
26	CT -outlet temp	TT-12	38·7	38·0	38·8	42·3	42·5	42·9	43·1	43·6	43·8	43·6	43·5	43·4	43·5	43·8	43·7	43·8	43·9	42·2	42·3	42·2	42·4	41·8	41·6	41·8
27	ATFD vapor temp	TT-13	83·3	82·9	83·6	82·7	82·6	83·1	83·4	82·9	82·6	82·9	82·8	82·9	82·9	82·8	82·9	82·8	82·5	82·6	82·2	82·8	82·7	82·8	81·9	82·0

SHIFT	A			B			C		
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total
Stripper Feed totaliser	631731	631903	17·2	631903	632073	17·0	632023	632253	18·0
MEE Feed totaliser	525055	525106	5·1	525106	525136	15·0	525146	52520	5·4
MEE condensate totaliser	651574	651742	16·8	651742	651850	15·0	651850	612000	17·4
MEE concentrate totaliser	145143	145173	3·0	145173	145203	3·0	145263	145233	3·0
Shift incharge Sign									

Remarks

"C" shift :- ATFD Fusky given.

Verified By

SOP/EHS/ENV/U02/GEN/005/06/FT-01

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 22/08/2023

SI.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00
1	Steam on Header	Kg/Cm²	2.0	2.4	2.2	2.4	2.5	2.6	2.4	2.6	2.8	2.5	2.6	3.0
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.4	1.5	1.4	1.5	1.4	1.5	1.5	1.8	1.6	1.7	1.6
3	Stripper Feed Rate	KL/Hr	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.0	1.2	1.0	1.1	1.2	1.2	1.0	1.0	1.2	1.0	1.2	1.2
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	-590	-550	-600	-550	-560	-550	-560	-560	586	583	591	575
11	ATFD Steam Pressure	Kg/Cm²	4.8	5.0	4.8	4.5	4.0	4.5	4.0	4.0	4.5	4.0	4.2	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.3	0.3	.04	0.3	0.4	0.3	0.3	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70
	Temperature profile													
15	Stripper top	TT-1	84.2	83.6	84.2	85.1	84.2	85.1	84.2	85.1	83.9	83.5	83.7	83.8
16	Stripper bottom	TT-2	93.2	94.2	94.5	95.1	94.2	94.5	95.1	94.2	94.3	94.6	94.7	94.3
17	Cal - I liquid temp	TT-3	107.1	105.6	106.5	106.1	105.1	104.2	100.2	104.8	103.2	103.8	102.9	103.3
18	Cal - I shell temp	TT-4	118.6	116.1	115.1	116.1	115.4	116.2	115.6	116.2	114.3	112.6	113.7	112.9
19	Cal - I vapor temp	TT-5	100.1	99.2	98.5	99.6	98.6	99.1	99.8	100.1	88.4	97.9	98.2	98.4
20	Cal - II A liquid temp	TT-6	96.2	95.1	94.2	92.0	92.4	91.8	92.2	92.0	82.1	91.3	92.4	92.1
21	Cal - II A & B vapor temp	TT-7	86.2	85.6	86.2	85.5	86.1	85.9	86.1	85.4	84.9	85.3	84.8	84.6
22	Cal - II B liquid temp	TT-8	84.2	83.2	82.1	81.2	82.0	81.8	82.0	82.0	81.9	82.6	82.3	82.9
23	Cal - III vapor temp	TT-9	78.1	80.1	79.2	79.6	78.9	79.1	79.2	79.4	79.3	78.8	79.4	79.6
24	Cal - III liquid temp	TT-10	80.0	78.1	77.4	78.1	79.1	79.2	80.1	80.2	75.2	74.1	72.9	72.9
25	CT -inlet temp	TT-11	36.2	35.9	36.2	36.2	36.5	35.9	36.1	36.2	36.7	36.5	36.7	36.2
26	CT -outlet temp	TT-12	42.1	41.5	42.2	42.1	44.1	43.1	42.8	43.1	43.9	43.2	43.7	43.7
27	ATFD vapor temp	TT-13	83.7	84.1	83.1	84.1	83.6	84.1	83.4	84.1	83.3	83.9	83.2	84.2

SI.No	Time	Unit	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.8	2.6	2.8	2.5	2.4	2.8	2.4	2.5	2.4	2.5	2.4	2.6
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.6	1.8	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4
3	Stripper Feed Rate	KL/Hr	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.8	2.5	2.5
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.1	1.0	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.0	1.1	1.0
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.4	2.4	2.7
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	580	590	584	-590	-595	-590	-595	-592	-598	-600	-598	-598
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.0	4.0	4.8	4.0	4.5	4.6	4.0	4.8	4.6	4.0	4.6
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.31	0.31	0.32	0.32	0.32	0.34	0.32	0.32	0.3
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile													
15	Stripper top	TT-1	84.6	84.3	84.7	84.2	84.8	84.2	84.8	84.7	84.8	84.2	84.8	84.7
16	Stripper bottom	TT-2	94.7	94.5	94.4	92.4	92.7	92.6	92.7	92.6	92.7	92.2	92.1	92.7
17	Cal - I liquid temp	TT-3	104.7	103.6	102.9	102.8	102.7	102.6	102.7	102.9	102.9	102.2	102.6	102.7
18	Cal - I shell temp	TT-4	113.7	113.8	113.3	113.2	113.4	113.7	113.6	113.7	113.2	113.0	113.1	113.2
19	Cal - I vapor temp	TT-5	97.9	97.0	98.7	99.6	99.8	99.2	99.8	99.6	99.7	99.8	99.6	99.5
20	Cal - II A liquid temp	TT-6	92.0	91.9	91.7	91.7	91.6	91.7	91.6	91.7	91.6	91.7	91.6	91.7
21	Cal - II A & B vapor temp	TT-7	84.9	85.2	85.7	85.6	85.2	85.4	85.8	85.2	85.1	85.6	85.2	85.1
22	Cal - II B liquid temp	TT-8	82.3	82.0	82.4	82.3	82.4	82.1	82.6	82.2	82.7	82.6	82.2	82.0
23	Cal - III vapor temp	TT-9	79.7	79.4	78.7	78.2	78.8	78.8	78.8	78.6	78.7	78.6	78.2	78.7
24	Cal - III liquid temp	TT-10	72.2	71.9	72.6	72.8	72.2	72.4	72.6	72.9	72.9	72.4	72.8	72.1
25	CT -inlet temp	TT-11	36.8	36.5	36.9	36.8	36.2	36.8	36.7	36.8	36.7	36.6	36.6	36.7
26	CT -outlet temp	TT-12	43.8	43.1	43.4	43.4	43.8	43.6	43.7	43.2	43.6	43.2	43.2	43.2
27	ATFD vapor temp	TT-13	83.6	83.8	83.6	83.6	83.2	83.2	83.6	83.2	83.8	82.2	82.3	82.7

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	63225.3	63225.3	20.0	63245.3	63266.0	20.7	63266.0	63286.6	20.6
MEE Feed totaliser	52520.0	52524.0	4.0	52524.0	52526.7	2.7	52526.7	52529.9	3.2
MEE condensate totaliser	61200.0	61216.0	18.0	65210.6	65228.2	17.6	65225.2	652240	17.3
MEE concentrate totaliser	14523.3	14526.3	3.0	14526.3	14529.3	3.0	14529.3	14532.3	3.0
Shift Incharge Sign	(signature)			(signature)			(signature)		

Remarks:
A ⇒ ATFD washing given
C shift:- ATFD Flushing given.

Verified By (signature)

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 23/08/2023

SLNo	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.4	3.6	2.8	3.0	2.8	3.0	2.5	3.0	3.2	3.0	3.2	3.6	3.4	3.4	3.2	3.4	3.3	3.4	3.3	3.4	3.3	3.4	3.3	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.2	1.4	1.4	1.5	1.4	1.2	1.4	1.2	1.5	1.6	1.5	1.8	1.6	1.7	1.6	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.4	1.3	1.4	1.3	1.4	1.3	1.4	1.4	1.3	1.4	1.3	1.4	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	1.3
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.2	2.2	2.3	2.3	2.3	2.2	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
9	MEE Concentrate	KL/Hr	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vacuum	mmHg	535	550	560	560	560	550	560	560	598	601	595	591	596	594	589	594	572	572	572	573	572	574	576	572
11	ATFD Steam Pressure	Kg/Cm²	6.8	5.5	5.0	6.8	5.0	6.5	6.8	5.0	4.0	4.5	4.0	4.0	4.2	4.4	4.5	4.2	4.3	4.2	4.7	4.8	4.7	4.8	4.7	4.8
12	ATFD Feed Rate	KL/Hr	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
13	ATFD Condensate	KL/Hr	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.8	85.6	84.8	86.0	84.8	84.5	85.1	84.6	84.7	84.7	84.6	84.3	84.4	84.7	84.3	84.6	84.1	84.2	84.1	84.2	84.1	84.2	84.0	84.2
16	Stripper bottom	TT-2	95.1	94.2	95.1	94.6	96.0	95.1	94.5	95.1	94.8	94.4	94.7	94.5	94.7	94.4	93.6	94.3	93.9	94.1	94.2	94.1	94.2	94.1	94.2	94.1
17	Col - I liquid temp	TT-3	99.2	100.1	101.2	100.6	102.1	101.8	102.0	102.0	102.6	102.9	102.8	102.4	101.9	102.6	102.4	102.4	102	103	102	103	102	103	102	103
18	Col - I shell temp	TT-4	115.6	114.2	115.0	114.6	115.4	114.2	115.6	114.5	112.7	113.0	112.6	112.4	112.8	112.6	113.4	112.1	113	112	113	112	113	112	113	112
19	Col - I vapor temp	TT-5	96.2	97.8	96.5	97.0	98.0	97.2	98.1	98.4	98.7	98.2	98.7	98.2	97.9	98.4	98.2	98.7	98.7	98.2	98.4	98.6	98.7	98.8	98.9	98.2
20	Col - II A liquid temp	TT-6	90.2	90.2	90.6	90.2	91.2	91.5	90.6	91.2	92.7	91.8	92.7	92.4	92.3	92.8	92.6	93.1	93.1	93.2	93.1	93.2	93.1	93.2	93.1	93.2
21	Col - II A & B vapor temp	TT-7	86.2	85.1	86.0	85.9	86.1	85.6	86.2	85.9	85.4	85.8	86.7	86.7	86.4	87.1	86.8	86.4	86.6	86.7	86.9	86.6	86.7	86.8	86.9	87.1
22	Col - II B liquid temp	TT-8	80.2	80.4	81.2	80.6	81.2	80.5	81.2	80.6	80.0	81.0	81.2	81.4	81.0	81.9	81.3	80.9	81.1	81.2	81.1	81.2	81.4	81.6	81.7	81.8
23	Col - III vapor temp	TT-9	75.6	76.2	76.8	78.1	79.8	78.5	79.0	79.0	78.2	78.4	78.5	78.6	78.4	78.7	78.9	78.8	78.5	79	79.1	78.8	78.9	79.1	79.2	79.1
24	Col - III liquid temp	TT-10	76.2	78.1	79.0	78.1	78.2	79.2	79.8	79.6	75.3	75.4	75.3	75.0	74.3	74.3	74.9	75.1	75.7	75.2	75.2	75.7	75.2	75.7	75.2	75.0
25	CT -Inlet temp	TT-11	36.2	37.0	36.2	37.1	36.5	37.0	36.8	37.0	36.7	36.5	36.7	36.7	36.4	36.2	36.4	36.5	36.8	36.8	36.7	36.7	37.1	36.2	37.1	36.5
26	CT -outlet temp	TT-12	42.1	41.8	42.1	41.0	41.5	42.0	42.0	43.0	42.6	42.8	42.9	42.4	42.0	42.1	42.0	42.8	42.1	42.1	42.2	42.1	42.1	42.2	42.4	42.1
27	ATFD vapor temp	TT-13	84.2	85.6	84.2	83.5	84.2	85.1	84.2	84.5	83.6	83.1	83.3	82.9	83.4	83.6	82.9	82.7	83.1	82.7	83.1	82.8	83.1	82.8	83.1	82.8

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	63286.6	63307.6	21.0	63307.6	63328.7	21.1	63328.7	63348.7	20.0
MEE Feed totaliser	52529.9	52533.9	4.0	52533.9	52537.8	4.0	52537.8	52539.8	2.0
MEE condensate totaliser	65240.0	65257.0	17.0	65251.8	65269.9	18.1	65269.9		
MEE concentrate totaliser	14532.3	14535.3	3.0	14535.3	14539.3	4.0	14539.3		3.0
Shift Incharge Sign	[signature]			[signature]			[signature]		

Remarks: [illegible] ATFD washing going
52539.8

SDP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By [signature]

140

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 24/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.4	3.3	3.4	3.2	3.4	3.6	3.4	3.3	3.0	3.2	3.4	3.2	3.4	3.2	3.0	3.2	3.4	3.5	3.4	3.6	3.4	3.0	3.2	3.0
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.4	1.6	1.7	1.4	1.5	1.4	1.6	1.4	1.5	1.6	1.5	1.6	1.5	1.4	1.5	1.4	1.5	1.6	1.4	1.5	1.2	1.2	1.2
3	Stripper Feed Rate	KL/Hr	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.5	2.6	2.5	2.6	2.5	2.6	2.5	2.6	2.5	2.6	2.5	2.6	2.6	2.5	2.6	2.5
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.5	1.4	1.2	1.2	1.2	1.2	1.1	1.3	1.4	1.2	1.3	1.4	1.4	1.3	1.3	1.4	1.2	1.1	1.2	1.4	1.5	1.4	1.5	1.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	2.2	2.1	2.2	2.1	2.2	2.1	2.2	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.4	2.5	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.5	2.4	2.4
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.7	0.5	0.4	0.3
10	MEE Vacuum	mmHg	596	600	602	595	591	596	589	584	590	600	595	600	595	595	600	595	565	555	595	600	595	595	595	555
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.0	3.5	4.0	4.5	5.0	4.5	4.0	0.8	0.5	0.6	0.5	0.6	0.8	0.5	0.8	0.6	0.7	0.6	0.5	0.6	0.2	0.6	0.2
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	60	70	60	60	70	60	60	70	60	60	60	60	60	60	60	60
	Temperature profile																									
15	Stripper top	TT-1	84.6	84.4	84.7	84.5	84.3	84.8	84.7	84.6	83.6	84.2	84.8	85.1	84.2	85.1	84.2	84.9	83.2	84.1	83.9	84.2	84.5	84.1	83.9	84.1
16	Stripper bottom	TT-2	94.7	94.3	94.7	94.6	94.7	94.9	94.6	84.7	84.7	85.1	90.2	85.1	94.2	85.1	84.2	95.1	94.2	95.1	84.2	95.1	84.2	95.1	94.2	84.4
17	Cal - I liquid temp	TT-3	102.7	102.6	12.4	102.7	103.4	104.1	102.6	101.8	102.1	101.8	102.1	101.8	102.1	102.1	101.8	102.3	101.2	100.9	100.6	101.2	100.6	101.2	101.2	100.7
18	Cal - I shell temp	TT-4	112.1	111.6	110.7	112.1	111.8	113.9	113.7	112.4	114.2	115.1	114.2	115.4	115.4	114.2	115.4	115.6	114.2	115.2	114.5	115.1	114.2	115.4	115.1	114.1
19	Cal - I vapor temp	TT-5	98.7	98.6	88.2	98.5	98.7	98.4	98.6	97.4	97.2	96.8	97.1	96.8	97.1	96.8	97.2	97.4	96.8	97.0	96.2	97.0	88.7	97.1	96.8	97.0
20	Cal - II A liquid temp	TT-6	95.3	94.7	94.0	94.6	94.3	94.6	94.7	94.3	90.2	93.2	94.2	94.1	93.2	94.1	93.9	94.2	94.1	84.1	83.2	94.1	93.5	84.2	93.2	84.1
21	Cal - II A & B vapor temp	TT-7	89.5	89.2	89.5	88.6	87.7	89.1	89.3	88.7	90.0	88.1	89.2	89.0	88.1	89.2	88.6	89.2	88.9	89.2	85.0	88.1	88.2	83.1	88.4	88.2
22	Cal - II B liquid temp	TT-8	80.2	87.7	80.4	80.8	82.4	83.7	83.6	83.8	86.2	84.2	85.1	84.2	85.1	84.2	85.1	84.8	84.2	83.2	84.1	83.6	84.2	85.1	84.2	84.1
23	Cal - III vapor temp	TT-9	75.9	79.4	76.2	78.4	79.1	78.4	77.9	78.3	75.9	76.2	78.1	78.4	77.9	78.1	77.9	78.1	78.1	77.4	78.9	77.1	76.9	77.1	78.1	75.0
24	Cal - III liquid temp	TT-10	74.7	73.9	74.1	74.7	74.5	75.6	75.4	74.9	76.2	77.1	75.6	76.1	76.4	75.1	74.8	75.1	74.2	75.1	74.2	75.1	74.2	75.1	74.2	75.0
25	CT-inlet temp	TT-11	32.3	32.2	32.0	32.1	33.4	33.8	34.0	34.2	34.2	34.8	36.0	35.6	36.2	36.4	36.7	36.5	34.9	36.0	35.9	36.2	36.4	36.5	36.4	36.0
26	CT-outlet temp	TT-12	41.7	41.3	42.4	41.6	43.7	42.6	42.7	42.9	42.1	41.8	42.2	43.0	42.2	41.8	42.1	42.2	42.2	41.2	42.2	40.9	42.2	42.4	42.1	42
27	ATFD vapor temp	TT-13	83.9	83.7	83.2	84.2	84.7	84.3	83.9	83.7	83.2	84.1	83.9	84.1	83.9	84.1	83.9	84.1	83.9	84.1	83.9	86.0	84.1	84.2	84.1	84

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	63348.7	63368.7	20.0	63368.7	63388.7	20.0	63388.7	63406.7	18.0
MEE Feed totaliser	52536.1	52546.1	10.0	52546.1	52552.1	6.0	52552.1	52557.1	5.0
MEE condensate totaliser	65268.8	65288.4	21.6	65288.4	65308.0	19.5	65308.0	65325.0	17.2
MEE concentrate totaliser	14542.3	14546.3	4.0	14546.3	14548.8	3.5	14548.8	14551.8	3.0
Shift incharge Sign	[signature]			[signature]					

Remarks:
B => ATFD washing going
C => ATFD washing going

Verified By [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 25.08.23

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	3.3	3.2	3.3	2.2	3.3	3.4	3.3	3.2	3.3	3.2	3.1	3.2	3.3	3.2	3.3	3.4	3.2	3.5	3.1	3.4	3.4	3.2	3.3
2	Stripper Steam Pressure	Kg/Cm²	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6	1.5	1.6	1.5	1.6	1.7	1.5	1.6	1.7	1.5	1.8
3	Stripper Feed Rate	KL/Hr	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.5	1.6	1.5	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.2	1.5	1.3	1.4	1.5	1.5	1.6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
10	MEE Vacuum	mmHg	620	610	620	610	620	610	620	630	620	610	600	630	620	630	630	630	607	601	604	604	602	607	595	600
11	ATFD Steam Pressure	Kg/Cm²	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.7	4.8	4.7	4.8	4.9	4.8	4.7	4.8	4.7	-	-	-	-	-	-	-	-
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	-	-	-	-	-	-	-	-
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	-	-	-	-	-	-	-	-
14	ATFD Salt	Kg/Hr	70	80	70	84	70	80	70	70	70	84	70	70	70	70	70	70	-	-	-	-	-	-	-	-
Temperature profile																										
15	Stripper top	TT-1	84.6	84.5	85.1	84.8	85.3	84.2	84.3	84.1	84.3	84.4	84.2	84.2	84.1	84.3	84.2	84.3	84.3	84.4	84.2	84.3	84.3	84.2	84.4	84.5
16	Stripper bottom	TT-2	95.1	94.8	95.8	95.2	94.8	95.1	94.8	95.2	95.5	94.8	95.1	94.8	95.1	95.2	95.8	95.2	94.8	94.6	94.7	94.2	94.6	94.6	94.4	94.8
17	Col - I liquid temp	TT-3	103.1	102.1	103.1	102.1	103.1	102.1	103.1	102.1	103.1	103.1	102.1	103.1	102.1	103.1	102.1	103.1	102.1	103.1	103.1	102.1	101.1	102.1	102.1	103.1
18	Col - I shell temp	TT-4	112.1	111.1	112.1	111.1	112.1	111.1	112.1	111.1	112.1	111.1	112.1	111.1	112.1	111.1	112.1	111.1	113.1	113.1	113.1	113.1	113.1	114.1	113.1	112.1
19	Col - I vapor temp	TT-5	98.6	98.1	98.8	98.1	98.8	98.8	98.7	98.7	98.8	98.3	98.2	98.3	98.4	98.1	98.7	98.6	98.7	98.4	98.7	98.7	98.7	98.2	98.6	98.2
20	Col - II A liquid temp	TT-6	95.1	95.3	95.2	95.1	95.2	95.5	95.4	95.4	95.2	95.3	95.2	95.1	95.2	95.3	95.2	95.3	95.2	94.7	94.3	94.9	94.6	94.4	93.9	94.0
21	Col - II A & B vapor temp	TT-7	89.5	89.4	89.5	89.4	89.5	89.2	89.4	89.1	89.1	89.1	89.1	89.1	89.2	89.3	89.2	89.3	89.2	89.2	89.2	89.4	89.6	89.5	89.3	89.1
22	Col - II B liquid temp	TT-8	80.3	80.2	80.3	80.2	80.3	80.2	80.2	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.2	82.4	82.1	82.2	82.4	82.4	82.8	82.4	82.6	82.6
23	Col - III vapor temp	TT-9	76.1	76.2	76.2	76.1	76.2	76.1	76.2	76.1	76.1	76.1	76.2	76.1	76.1	76.2	76.4	78.2	78.8	78.2	78.6	78.4	78.2	78.4	78.2	78.2
24	Col - III liquid temp	TT-10	84.1	84.2	84.1	84.2	84.3	84.2	84.1	84.2	84.2	84.2	84.1	84.2	84.1	84.2	84.1	84.2	75.8	74.7	74.6	74.3	74.9	74.8	74.2	74.4
25	CT -inlet temp	TT-11	33.1	33.1	33.2	33.1	33.2	33.2	33.2	33.1	33.2	33.1	33.1	33.2	33.1	33.1	33.1	33.2	33.4	33.2	33.1	33.0	32.8	32.6	32.7	32.5
26	CT -outlet temp	TT-12	41.2	41.2	41.3	41.2	41.4	41.4	41.1	41.2	41.2	41.2	41.2	41.2	41.1	41.1	41.2	41.0	41.1	41.0	40.8	40.6	40.7	40.5	40.3	40.1
27	ATFD vapor temp	TT-13	83.1	83.2	83.4	84.1	83.2	84.2	84.2	84.3	84.1	84.2	84.1	83.9	84.1	83.7	84.2	83.8	-	-	-	-	-	-	-	-

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	634867	634867	18.0	634867	634867	18.0	634868	634872	20.4	22:00 : to. ATFD. Stopped - due to problem.
MEE Feed totaliser	52557.1	52562.1	5.0	52562.1	52567.1	5.0	52567.1	52571.3	4.2	
MEE condensate totaliser	65325	65341	16.0	65341	65357	16.0	65347.3	65365.9	18.6	
MEE concentrate totaliser	145528	145558	3.0	145558	145588	3.0	-	-	3.0	
Shift incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 26.08.23

Sl.No	Time	Unit	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00
1	Steam on Header	Kg/Cm²	3.4	3.1	3.2	3.1	3.2	3.1	3.2	3.0	3.1	3.0	3.1	3.2
2	Stripper Steam Pressure	Kg/Cm²	1.6	1.5	1.4	1.5	1.5	1.4	1.5	1.4	1.5	1.4	1.3	1.4
3	Stripper Feed Rate	KL/Hr	2.5	2.5	2.4	2.5	2.6	2.4	2.5	2.4	2.5	2.5	2.5	2.5
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.5	1.6	1.8	1.4	1.5	1.4	1.6	1.5	1.6	1.5	1.6	1.5
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.8	2.3	2.4	2.5	2.4	2.3	2.4	2.3	2.2	2.5	2.5	2.4
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.4	0.4	0.4
10	MEE Vacuum	mmHg	600	600	610	610	600	610	610	610	570	600	590	600
11	ATFD Steam Pressure	Kg/Cm²	-	-	-	-	-	-	-	-	-	4.0	4.5	5.0
12	ATFD Feed Rate	KL/Hr	-	-	-	-	-	-	-	-	-	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	-	-	-	-	-	-	-	-	-	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	-	-	-	-	-	-	-	-	-	70	70	70
	Temperature profile													
15	Stripper top	TT-1	84.3	84.2	84.1	84.0	84.2	84.0	84.1	84.1	84.2	84.8	84.9	84.8
16	Stripper bottom	TT-2	94.6	94.8	94.6	94.7	94.8	94.1	94.2	94.3	94.1	94.1	94.2	94.2
17	Cal - I liquid temp	TT-3	103.1	103.0	103.2	103.1	103.0	103.1	103.2	103.1	103.2	103.2	103.1	103.2
18	Cal - I shell temp	TT-4	98.4	98.2	98.1	98.2	98.1	98.6	98.1	98.1	98.2	98.0	98.1	98.0
19	Cal - I vapor temp	TT-5	92.7	92.7	92.6	92.8	92.6	92.7	92.8	92.8	92.7	92.7	92.8	93.0
20	Cal - II A liquid temp	TT-6	89.2	89.1	89.0	89.2	89.1	89.2	89.6	89.1	89.2	89.1	89.0	89.1
21	Cal - II A & B vapor temp	TT-7	83.8	83.8	83.7	83.2	83.6	83.8	83.7	83.8	83.7	83.8	83.2	83.7
22	Cal - II B liquid temp	TT-8	78.2	78.1	78.2	78.3	78.2	78.0	78.1	78.2	78.5	78.4	78.3	78.4
23	Cal - III vapor temp	TT-9	76.8	76.7	76.2	76.0	76.8	76.9	76.8	76.9	76.8	76.6	76.7	76.7
24	Cal - III liquid temp	TT-10	75.2	75.0	75.1	75.2	75.0	75.1	75.0	75.2	78.0	75.1	75.2	75.2
25	CT -inlet temp	TT-11	33.4	33.4	33.8	33.8	33.9	33.4	33.8	33.8	33.4	33.5	33.4	33.8
26	CT -outlet temp	TT-12	42.1	42.1	42.6	42.1	42.1	42.8	42.8	42.8	42.8	42.8	42.9	42.9
27	ATFD vapor temp	TT-13	-	-	-	-	-	-	-	-	-	-	-	-

Sl.No	Time	Unit	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.0	3.1	3.2	3.1	3.2	3.0	2.9	3.2	3.0	3.2	3.0	3.0
2	Stripper Steam Pressure	Kg/Cm²	1.3	1.3	1.3	1.4	1.4	1.2	1.4	1.4	1.2	1.4	1.4	1.4
3	Stripper Feed Rate	KL/Hr	2.6	2.5	2.6	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.5	1.5	1.5	1.5	1.4	1.6	1.4	1.5	1.6	1.6	1.6	1.4
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.1	2.1	2.1	2.1	7.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.8	0.8	0.8	1.5	1.4	1.4	1.4	1.4	1.2	1.2	1.2
8	MEE Condensate	KL/Hr	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
10	MEE Vacuum	mmHg	600	600	600	600	595	600	595	595	600	595	600	595
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.5	4.0	4.5	4.6	4.5	4.6	4.5	4.6	4.5	4.6	4.5
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.3	0.3	0.3	0.3	0.4	0.4	0.7	0.9
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70
	Temperature profile													
15	Stripper top	TT-1	85.0	85.1	85.2	85.2	84.2	83.6	84.2	85.1	84.2	84.1	82.9	85.1
16	Stripper bottom	TT-2	94.2	94.1	94.2	94.2	84.2	85.1	84.2	85.1	84.2	85.1	84.2	85.1
17	Cal - I liquid temp	TT-3	103.0	103.1	103.2	103.1	103.1	102.1	103.1	103.1	103.1	102.9	103.4	102.8
18	Cal - I shell temp	TT-4	97.8	97.8	97.9	97.8	97.4	96.8	97.0	96.5	97.1	96.5	97.0	97.2
19	Cal - I vapor temp	TT-5	93.0	92.8	92.9	92.8	93.4	92.1	93.1	92.1	93.0	92.1	92.8	93.0
20	Cal - II A liquid temp	TT-6	89.1	89.0	89.1	89.0	83.0	85.1	85.1	88.2	83.3	83.1	85.1	83.4
21	Cal - II A & B vapor temp	TT-7	83.8	83.8	83.7	83.8	81.9	83.1	84.1	83.4	83.4	84.1	83.4	83.4
22	Cal - II B liquid temp	TT-8	78.3	78.4	78.4	78.4	78.0	80.1	80.2	80.4	80.5	80.2	80.1	80
23	Cal - III vapor temp	TT-9	76.7	76.4	76.3	76.7	75.1	76.1	75.1	74.8	75.1	76.1	75.1	75.1
24	Cal - III liquid temp	TT-10	75.3	75.2	75.3	75.3	70.2	70.2	70.2	70.4	70.4	70.5	70.5	70.2
25	CT -inlet temp	TT-11	33.6	33.7	33.7	33.7	33.4	84.2	84.2	85.4	84.2	85.1	84.2	32
26	CT -outlet temp	TT-12	42.8	42.8	42.8	42.9	44.2	42.4	44.1	42.4	42.0	42.2	44.1	[illegible]
27	ATFD vapor temp	TT-13	-	-	-	-	83.0	84.1	83.2	84.1	84.2	83.8	84.1	[illegible]

SHIFT	A Initial	A Final	A Total	B Initial	B Final	B Total	C Initial	C Final	C Total
Stripper Feed totaliser	63467.2	63485.2	18.0	63485.2	63593.2	18.0	63501.2	63514.2	13.0
MEE Feed totaliser	42571.3	42576.3	5.0	42576.3	52583.3	8.7.0	52583.3	52594.0	10.7
MEE condensate totaliser	653659	653869	18.0	65383.9	65394	17.7	65394.0	65410.0	13.2
MEE concentrate totaliser	-	-		14558.8	14344.3	3.0	14564.3	14564.8	3.5
Shift Incharge Sign		[signature]	[signature]		[signature]			[signature]	

Remarks:

"B" Shift :- ATFD Fully given.

C ⇒ ATFD washing given

Verified By: [signature]

SOP/EHS/ENV/U02/GEN/005/06/FT-01

142

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 27/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.4	2.5	2.6	2.4	2.3	2.8	2.5	2.7	2.6	2.7	2.6	2.7	2.8	2.7	2.8	2.7	2.5	2.6	2.8	2.8	2.9	2.8	2.9	3.0
2	Stripper Steam Pressure	Kg/Cm²	1.7	1.6	1.5	1.4	1.3	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.4	1.4	1.5	1.6	1.6	1.5	1.6	1.6	1.6
3	Stripper Feed Rate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.5	1.4	1.6	1.6	1.5	1.8	1.6	1.7	1.5	1.6	1.5	1.6	1.7	1.8	1.6	1.5	1.6	1.4	1.6	1.5	1.6	1.5	1.6	1.5
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.5
7	MEE Feed Rate (RO Rejects)	KL/Hr	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	602	600	604	601	602	605	607	601	610	602	603	603	610	605	610	620	600	590	585	600	595	600	600	595
11	ATFD Steam Pressure	Kg/Cm²	4.5	4.0	4.0	4.5	4.0	4.0	4.0	4.0	4.2	4.1	4.2	4.1	4.7	4.8	4.2	4.6	4.8	4.6	4.8	4.8	5.0	4.8	5.0	5.0
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.3	0.3	0.3
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.7	84.3	84.6	84.8	84.7	84.3	84.3	84.2	83.9	84.2	84.1	83.2	84.1	84.3	84.2	84.1	83.6	84.1	84.2	83.4	84.1	83.6	84.2	84.2
16	Stripper bottom	TT-2	94.6	94.7	94.5	94.8	94.7	94.6	94.8	94.7	95.1	94.8	95.2	94.8	95.1	95.2	95.3	94.2	94.2	95.1	94.2	94.1	94.2	94.1	94.2	94.5
17	Cal-I liquid temp	TT-3	102.7	101.7	101.9	102.8	102.4	102.1	101.7	102.4	103	102	103	102	103	102	103	102	102.1	103.1	102.2	102.1	101.5	102.1	101.9	102.2
18	Cal-I shell temp	TT-4	112.7	112.0	111.9	112.6	112.7	112.5	112.7	112.6	113	112	113	112	113	112	113	112	111.2	112.7	112.4	111.2	112.1	112.1	111	[illegible]
19	Cal-I vapor temp	TT-5	88.2	88.7	88.4	88.2	88.7	88.1	88.2	88.7	85.3	85.2	85.3	85.2	85.3	85.2	84	83.7	86.1	85.9	86.1	85.6	86.1	85.9	86.2	85.9
20	Cal-II A liquid temp	TT-6	92.1	93.4	93.0	92.6	92.8	92.1	92.4	94.5	95.1	95.3	95.2	94.2	95.1	95.1	95.2	95.1	94.8	95.1	95.0	92.1	91.8	92.1	91.8	92.1
21	Cal-II A & B vapor temp	TT-7	85.6	84.9	84.8	84.3	84.0	84.6	84.2	84.1	84.2	84.1	84.2	84.1	84.1	84.2	84.1	84.2	90.2	88.1	88.9	87.8	88.1	87.6	88.1	87.0
22	Cal-II B liquid temp	TT-8	84.1	83.0	83.1	83.6	83.7	81.9	82.6	82.8	83.1	83.3	83.2	83.1	83.2	83.1	83.2	83.1	86.2	85.1	85.4	85.1	84.9	85.1	84.2	85.1
23	Cal-III vapor temp	TT-9	79.7	79.4	76.2	79.8	79.4	78.1	78.4	79.6	79.6	79.7	79.8	79.9	79.8	79.7	79.8	79.6	81.2	80.2	80.5	80.1	80.2	80.6	80.1	80.2
24	Cal-III liquid temp	TT-10	75.1	75.3	75.2	75.8	75.4	75.2	75.1	75.3	75.2	75.3	75.4	75.2	75.1	75.2	75.1	75.2	76.1	75.9	76.1	75.1	76.1	75.9	76.1	75.9
25	CT-inlet temp	TT-11	27.3	27.5	27.8	28.1	28.4	28.5	28.9	30.2	30.2	31.2	31.2	30.1	30.1	30.2	30.1	30.1	30.9	31.4	31.5	31.2	31.4	31.0	31.5	32.0
26	CT-outlet temp	TT-12	34.2	34.4	34.1	34.8	35.1	36.4	36.7	37.0	37.2	37.1	37.2	37.1	37.1	37.2	37.1	37.2	38.1	41.5	42.1	41.4	42.0	40.9	42.1	42
27	ATFD vapor temp	TT-13	83.7	83.2	83.1	83.0	83.6	82.9	83.7	83.9	84.1	84.2	84.1	84.2	84.1	84.2	84.1	84.2	83.2	84.1	84.1	84.1	83.2	83.1	[illegible]	[illegible]

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	
Stripper Feed totaliser	63514.2	63531.2		63531.2	63548.2	17.0	63548.2	63565.7	17.5	
MEE Feed totaliser	52594.0	52600.1		52600.1	52605.6	5.0	52605.6	52610.6	5.0	
MEE condensate totaliser	65410.0	[illegible]		[illegible]	[illegible]	[illegible]	65438.2	65451.0	16.5	
MEE concentrate totaliser	14564.8	14568.2		14568.2	14571.2	3.6	14571.2	14574.4	3.2	C => ATFD washing given
Shift Incharge Sign	[signature]			[signature]			[signature]			

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By [signature]

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 28/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	3.2	2-8	3.0	3-1	3.0	3.2	3.1	3.2	3.1	3-2	3-1	3-2	3-1	3-1	3-0	3-1	3.2	3.1	3.2	3.1	3.2	3.1	3.2	3.1
2	Stripper Steam Pressure	Kg/Cm²	1.7	1.4	1.5	1.2	1.8	1.4	1.6	1.5	1.4	1.5	1.4	1.5	1.4	1.5	1.4	1.5	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6
3	Stripper Feed Rate	KL/Hr	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.7	1.8	1.6	1.5	1.5	1.5	1.8	1.8	1.8	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.8	1.9	1.8	1.8	1.9	1.8	1.9	1.8
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9	MEE Concentrate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	601	589	590	595	604	601	602	601	600	600	600	600	601	600	600	601	620	620	620	620	620	620	620	620
11	ATFD Steam Pressure	Kg/Cm²	4.0	4.0	4.5	4.0	4.0	4.5	4.2	4.5	4.0	4.8	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.4	4.3	4.4	4.3	4.4	4.3	4.4
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	84.5	84.6	84.3	84.7	84.4	84.7	84.6	84.8	84.9	84.8	84.8	84.8	84.9	84.8	85.0	84.9	84.5	85.2	85.1	84.7	84.8	85.3	85.1	84.8
16	Stripper bottom	TT-2	94.3	94.3	94.3	94.5	94.8	94.9	94.2	94.3	94.6	94.7	94.6	94.7	94.4	94.1	94.2	94.0	95.2	94.7	94.8	94.9	94.2	94.4	94.3	94.2
17	Col - I liquid temp	TT-3	100.7	101.6	102.1	101.5	102.1	102.3	101.8	102.7	102.4	102.4	102.1	102.4	102.8	104.8	104.2	104.7	103	102	103	102	103	102	103	102
18	Col - I shell temp	TT-4	111.8	112.3	111.8	112.7	112.1	112.6	112.5	113.8	113.7	113.8	113.4	113.4	113.1	113.5	113.6	113.7	112	113	112	112	113	112	113	112
19	Col - I vapor temp	TT-5	97.3	97.6	97.4	97.8	98.4	98.2	97.9	98.3	98.1	98.2	98.2	98.2	98.2	98.1	98.2	98.0	98.1	98.3	98.2	98.3	98.2	98.1	98.6	98.7
20	Col - II A liquid temp	TT-6	92.8	92.8	93.3	95.1	94.4	94.3	94.6	95.1	92.8	92.9	92.8	92.8	92.4	92.2	92.2	92.3	92.1	92.2	92.3	92.2	92.1	92.2	92.3	
21	Col - II A & B vapor temp	TT-7	88.6	88.9	88.4	85.6	84.6	88.1	85.1	86.9	87.0	87.1	87.1	87.2	87.3	87.3	87.4	83.4	84.1	84.8	84.4	84.6	84.4	84.6	87.2	87.2
22	Col - II B liquid temp	TT-8	81.2	82.1	82.4	82.0	82.0	81.7	80.3	81.3	81.6	81.8	84.3	81.4	81.1	82.8	82.6	82.1	82.1	82.4	82.6	82.7	82.8	82.8	83.1	
23	Col - III vapor temp	TT-9	78.4	79.8	80.1	80.2	80.1	78.7	78.8	79.6	79.6	79.7	79.6	79.2	79.7	79.8	79.2	78.8	78.2	78.1	79.2	79.1	79.2	78.7		
24	Col - III liquid temp	TT-10	76.7	76.8	75.8	74.8	74.8	74.1	74.2	74.3	74.8	74.7	74.6	74.2	74.7	74.8	74.8	74.7	74.5	74.6	74.8	74.6	74.2	75.2	75.2	
25	CT -inlet temp	TT-11	27.0	27.3	27.2	27.4	27.8	28.2	28.4	28.3	28.6	28.7	28.7	28.7	28.7	28.8	28.8	28.6	28.2	28.2	28.2	28.1	28.2	28.1	28.2	28.2
26	CT -outlet temp	TT-12	33.4	38.5	33.6	33.9	34.2	34.8	35.1	35.6	35.6	34.7	35.7	35.8	35.1	35.7	35.1	35.2	35.2	35.2	35.3	35.1	35.2	35.1	35.2	35.2
27	ATFD vapor temp	TT-13	83.6	83.8	83.2	83.5	83.1	83.3	83.4	83.8	83.8	83.8	83.8	83.8	83.6	83.6	84.2	83.5	84.1	83.9	84.1	83.9	84.1	83.7	84.5	83.8

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser	63565.7	63583.6	17.9	63583.6	63600	17.4	63600	63617	17.0	"B" Shift :- ATFD Pump given.
MEE Feed totaliser	52610.6	52617.2	6.6	52617.2	52622.7	5.5	52622.7	52627.7	5.0	
MEE condensate totaliser	65443.2	65462.3	18.1	65462.3	65474	16.7	65474	65489	15.8	
MEE concentrate totaliser	14576.4	14577.8	3.4	14577.8	14581.2	3.4	14581.2		3.5	
Shift incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

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Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 29/08/2023

SLNo	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.6	2.5	2.6	2.7	2.8	2.7	2.8	2.7	2.6	2.4	2.8	2.6	2.8	2.6	2.8	2.5	2.5	2.4	2.8	2.6	2.6	2.5	2.5	2.4
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.6	1.6	1.5	1.6	1.5	1.6	1.7	1.7	1.5	1.6	1.7	1.4	1.6	1.5	1.4	1.3	1.4	1.4	1.4	1.3	1.3	1.4
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.7	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.5	1.4	1.8	1.6	1.8	1.6	1.8	1.6	1.7	1.6	1.7	1.8	1.5	1.7	1.1	1.6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
8	MEE Condensate	KL/Hr	2.3	2.3	2.2	2.3	2.3	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
9	MEE Concentrate	KL/Hr	0.4	0.4	0.5	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	590	595	595	600	595	600	600	601	607	604	602	604	601	607	602	600	601	600	600	600	600	600	608
11	ATFD Steam Pressure	Kg/Cm²	4.8	5.0	5.0	4.8	4.8	5.0	5.1	4.8	4.5	4.0	4.0	4.3	4.5	4.2	4.3	4.3	4.0	4.5	4.0	4.8	4.5	4.5	4.6	4.6
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT - 1	84.2	85.1	84.2	85.1	83.6	84.1	83.1	84.1	84.5	84.8	84.3	84.3	84.6	84.8	84.3	84.7	84.6	84.7	84.5	84.4	84.2	84.8	84.7	84.5
16	Stripper bottom	TT - 2	94.2	94.5	95.1	94.2	94.1	93.1	94.1	94.2	94.3	94.6	94.1	94.4	94.5	94.3	94.6	94.3	94.6	94.2	94.7	94.6	94.2	94.8	94.8	94.7
17	Col - I liquid temp	TT - 3	96.0	96.0	97.0	96.7	96.1	95.2	96.1	96.7	98.4	98.7	98.2	98.7	98.1	98.6	98.7	98.4	98.4	98.5	98.2	98.7	98.6	98.7	98.0	98.1
18	Col - I shell temp	TT - 4	115.1	114.2	113.2	114.5	113.2	114.2	115.1	114.2	112.6	113.7	111.4	111.1	111.7	112.6	112.0	112.9	111.2	111.2	111.2	112.0	112.0	112.4	112.1	112.3
19	Col - I vapor temp	TT - 5	94.4	94.2	96.0	95.8	95.6	96.1	95.9	96.1	95.1	94.2	94.0	94.5	93.8	93.9	94.0	94.0	94.0	93.8	93.2	93.8	94.4	94.2	94.1	94.2
20	Col - II A liquid temp	TT - 6	90.1	91.2	92.1	92.2	91.2	92.1	91.2	92.2	89.7	90.0	89.1	88.2	87.1	86.8	87.4	87.0	87.0	87.1	87.2	87.3	87.2	87.3	86.8	86.6
21	Col - II A & B vapor temp	TT - 7	90.0	90.2	89.2	88.2	88.1	88.1	88.2	88.1	85.6	85.5	84.6	84.8	83.0	82.8	82.4	81.3	81.4	81.5	81.6	81.7	81.7	81.8	81.6	81.7
22	Col - II B liquid temp	TT - 8	85.6	86.2	86.1	85.8	85.1	84.2	84.2	85.9	81.4	81.2	80.6	80.1	80.1	79.7	80.4	80.0	80.0	80.1	81.2	80.3	80.2	80.1	80.2	80.0
23	Col - III vapor temp	TT - 9	80.1	80.1	81.2	82.0	83.2	82.7	80.1	81.8	78.2	78.6	79.1	79.2	78.0	77.8	77.4	76.7	77.3	77.8	78.2	78.1	77.6	77.7	77.6	77.8
24	Col - III liquid temp	TT - 10	85.1	83.4	83.0	84.0	84.1	83.9	84.1	84.2	74.3	76.1	73.8	74.8	74.1	73.6	73.7	73.6	73.7	73.8	73.7	73.6	73.6	73.1	73.8	73.4
25	CT -Inlet temp	TT - 11	36.1	34.9	35.9	36.0	36.2	36.4	36.2	36.4	36.2	36.3	36.0	35.8	36.0	36.2	36.7	36.3	36.3	36.2	36.3	36.4	36.0	36.1	36.0	36.1
26	CT -outlet temp	TT - 12	41.8	42.2	42.1	42.1	42.1	42.4	42.1	41.4	44.3	44.1	44.9	44.6	44.7	45.1	46.6	46.2	44.1	43.1	42.0	44.1	44.1	44.2	44.1	42.2
27	ATFD vapor temp	TT - 13	83.9	84.1	84.1	85.1	84.1	84.3	84.1	84.3	83.9	83.8	83.6	82.8	83.9	83.4	82.4	83.8	83.7	83.6	83.7	83.6	83.5	83.6	83.6	83.8

SHIFT	A			B			C		
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total
Stripper Feed totaliser	63617.0	63634.6	17.6	63634.6	63652.0	17.4	63651	63659	18.0
MEE Feed totaliser	52627.7	52632.7	5.0	52632.7	52639.5	6.8	52639.5	52645.2	4.7
MEE condensate totaliser	65479.0	65495.8	16.8	65489.8	65508.0	18.2	65506	65521	16.7
MEE concentrate totaliser	14584.7	14587.9	3.2	14587.9	14591.1	3.2	14591.1	14584.3	3.2
Shift incharge Sign									

Remarks

A ⇒ ATFD Washing given

C = ATFD Finishing given.

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

145

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 30/08/2023

Sl.No	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²	2.8	2.6	2.4	2.6	2.5	2.6	2.6	2.5	2.6	2.8	2.4	2.6	2.7	2.5	2.6	2.4	2.5	2.6	2.5	2.6	2.5	2.6	2.5	2.6
2	Stripper Steam Pressure	Kg/Cm²	1.4	1.5	1.4	1.5	1.4	1.6	1.5	1.5	1.6	1.4	1.7	1.5	1.6	1.7	1.6	1.7	1.8	1.8	1.7	1.8	1.7	1.8	1.8	1.8
3	Stripper Feed Rate	KL/Hr	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
4	Stripper Distillate Qty.	KL/Hr	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
5	MEE Steam Pressure	Kg/Cm²	1.6	1.4	1.4	1.6	1.5	1.6	1.6	1.5	1.7	1.8	1.9	1.4	1.6	1.7	1.8	1.6	1.8	1.6	1.7	1.8	1.8	1.8	1.6	1.6
6	MEE Feed Rate (Stripper Bottom)	KL/Hr	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7	MEE Feed Rate (RO Rejects)	KL/Hr	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	MEE Condensate	KL/Hr	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
9	MEE Concentrate	KL/Hr	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
10	MEE Vaccum	mmHg	600	590	595	600	600	595	600	595	607	603	604	609	603	608	608	602	602	610	602	610	607	610	602	603
11	ATFD Steam Pressure	Kg/Cm²	4.8	5.0	4.8	5.0	4.8	5.0	4.8	5.0	4.0	4.5	4.2	4.5	4.0	4.5	4.0	4.0	4.8	4.8	4.8	4.8	4.8	4.8	4.2	4.8
12	ATFD Feed Rate	KL/Hr	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
13	ATFD Condensate	KL/Hr	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
14	ATFD Salt	Kg/Hr	60	60	60	60	60	60	60	60	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
Temperature profile																										
15	Stripper top	TT-1	82.1	83.5	82.2	83.4	82.1	83.5	82.1	83.5	84.6	84.3	84.7	84.8	84.6	84.3	84.6	84.5	84.4	84.4	84.2	84.6	84.5	84.4	85.1	84.7
16	Stripper bottom	TT-2	92.2	92.1	92.6	92.2	92.6	94.2	92.6	94.0	94.7	94.3	94.6	94.7	94.3	94.6	94.6	94.5	94.3	95.2	95.2	95.3	95.1	94.2	94.1	
17	Col - I liquid temp	TT-3	95.1	94.2	94.1	95.1	96.1	96.4	96.5	98.2	98.7	99.2	98.4	98.6	97.8	98.2	98.6	99.8	98.2	98.4	98.6	98.2	99.2	98.4	98.6	99.2
18	Col - I shell temp	TT-4	116.1	115.9	116.2	116.5	115.1	116.4	115.4	116.9	112.1	112.7	113.4	112.3	111.9	112.6	113.5	112.1	111	111	111	112	113	112	113	112
19	Col - I vapor temp	TT-5	94.2	96.1	95.1	96.1	90.2	95.1	94.6	96.1	95.8	95.7	94.3	94.9	93.2	94.3	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.1	95.2	94.7
20	Col - II A liquid temp	TT-6	92.0	94.1	92.1	92.2	91.2	91.4	92.0	91.8	90.7	90.3	90.6	90.8	90.1	90.8	91.0	90.9	91.1	91.2	91.2	91.2	91.4	91.4	91.2	91.6
21	Col - II A & B vapor temp	TT-7	89.2	88.9	88.1	88.1	88.2	88.1	88.4	88.5	86.1	84.3	84.7	84.3	83.9	85.8	85.6	85.7	86.1	86.2	86.1	86.2	86.2	86.1	86.2	
22	Col - II B liquid temp	TT-8	85.1	84.2	85.1	84.8	85.1	84.2	85.4	86.1	81.8	80.3	80.4	80.2	80.6	81.3	81.7	81.9	84.8	84.8	84.8	84.8	84.2	84.8	81.2	
23	Col - III vapor temp	TT-9	78.1	76.1	77.8	78.1	76.2	79.0	76.1	78.4	76.3	75.7	76.9	77.4	76.3	76.8	76.4	77.8	77.8	77.8	78.1	77.5	78.2	77.9	79.1	78.2
24	Col - III liquid temp	TT-10	81.2	80.0	80.2	80.9	80.2	80.6	80.4	80.1	72.8	72.3	73.9	74.1	74.3	74.4	73.2	73.9	74.9	74.2	74.1	74.2	74.1	74.2	74.1	
25	CT -inlet temp	TT-11	36.9	36.2	36.9	36.0	35.9	36.1	36.0	36.1	34.5	34.8	34.2	33.9	33.8	34.1	33.9	33.8	33.8	33.1	33.1	33.2	33.1	33.2	33.3	33.2
26	CT -outlet temp	TT-12	44.0	45.9	44.1	45.1	44.2	44.2	45.1	44.4	40.9	41.0	40.7	40.3	40.2	40.1	40.1	39.8	40.2	40.1	40.2	40.2	40.1	40.1	40.2	
27	ATFD vapor temp	TT-13	82.1	83.6	82.1	82.5	82.2	82.1	82.2	82.5	83.7	84.2	84.6	83.9	83.8	84.1	84.2	83.9	84.1	84.2	84.4	84.2	84.1	84.2	84.2	83.9

SHIFT	A			B			C			Remarks
	Intial	Final	Total	Intial	Final	Total	Intial	Final	Total	A ⇒ ATFD Nitrogen closed
Stripper Feed totaliser	63669.0	63687.2	18.2	63687.2	63700.5	13.3	63700.5	63717.5	17.0	
MEE Feed totaliser	52645.2	52649.3	4.2	52649.3	52657.0	7.7	52657	52660	3.0	
MEE condensate totaliser	65520.0	65535.0	16.3	65535.2	65547.0	15.8	65547	65558	11.0	
MEE concentrate totaliser	145946.3	145947.5	3.2	145947.5	145950.7	3.2	145950.7	145953.7	3.0	
Shift Incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

Mylan

MYLAN LABORATORIES LIMITED, UNIT - II

STRIPPER, MEE & ATFD LOG SHEET

Date: 31.8.23

SLNo	Time		6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	1:00	2:00	3:00	4:00	5:00
1	Steam on Header	Kg/Cm²																								
2	Stripper Steam Pressure	Kg/Cm²																								
3	Stripper Feed Rate	KL/Hr																								
4	Stripper Distillate Qty.	KL/Hr																								
5	MEE Steam Pressure	Kg/Cm²																								
6	MEE Feed Rate (Stripper Bottom)	KL/Hr																								
7	MEE Feed Rate (RO Rejects)	KL/Hr																								
8	MEE Condensate	KL/Hr																								
9	MEE Concentrate	KL/Hr																								
10	MEE Vaccum	mmHg																								
11	ATFD Steam Pressure	Kg/Cm²																								
12	ATFD Feed Rate	KL/Hr																								
13	ATFD Condensate	KL/Hr																								
14	ATFD Salt	Kg/Hr																								
Temperature profile																										
15	Stripper top	TT - 1																								
16	Stripper bottom	TT - 2																								
17	Col - I liquid temp	TT - 3																								
18	Col - I shell temp	TT - 4																								
19	Col - I vapor temp	TT - 5																								
20	Col - II A liquid temp	TT - 6																								
21	Col - II A & B vapor temp	TT - 7																								
22	Col - II B liquid temp	TT - 8																								
23	Col - III vapor temp	TT - 9																								
24	Col - III liquid temp	TT - 10																								
25	CT -inlet temp	TT - 11																								
26	CT -outlet temp	TT - 12																								
27	ATFD vapor temp	TT - 13																								

SHIFT	A			B			C			Remarks
	Initial	Final	Total	Initial	Final	Total	Initial	Final	Total	
Stripper Feed totaliser										
MEE Feed totaliser										
MEE condensate totaliser										
MEE concentrate totaliser										
Shift incharge Sign										

SOP/EHS/ENV/U02/GEN/005/06/FT-01

Verified By

ANNEXURE-II

148

HTDS RECORD(FOR THE MONTH OF JULY'2023)												
S. NO	Date	Opening Balance (kl)	HTDS Generation				MEE Feeding			Closing Balance in effluent tanks(kl)	MEE Concentration (kl)	Stripper Collection (LOW BOILS) LTS
			Receiving HTDS from Production (kl)	HTDS opening Reading	HTDS Closing Reading	Total Generation (kl)	MEE Feed flow meter Opening Balance	MEE Feed flow meter Closing Balance	Total Feed Qty to MEE(KL)			
1	07-01-23	5	6.8	23898.2	23905	11.8	32019.4	32026.2	6.8	5	3	100
2	07-02-23	5	6.8	23905	23911.8	11.8	32026.2	32033	6.8	5	3	100
3	07-03-23	5	6.7	23911.8	23918.5	11.7	32033	32039.7	6.7	5	3	100
4	07-04-23	5	6.8	23918.5	23925.3	11.8	32039.7	32046.5	6.8	5	3	200
5	07-05-23	5	6.8	23925.3	23932.1	11.8	32046.5	32053.3	6.8	5	3	100
6	07-06-23	5	6.8	23932.1	23938.9	11.8	32053.3	32060.1	6.8	5	3	100
7	07-07-23	5	6.7	23938.9	23945.6	11.7	32060.1	32066.8	6.7	5	3	100
8	07-08-23	5	6.8	23945.6	23952.4	11.8	32066.8	32073.6	6.8	5	3	100
9	07-09-23	5	6.8	23952.4	23959.2	11.8	32073.6	32080.4	6.8	5	3	100
10	07-10-23	5	6.8	23959.2	23966	11.8	32080.4	32087.2	6.8	5	3	100
11	07-11-23	5	6.8	23966	23972.8	11.8	32087.2	32094	6.8	5	3	100
12	07-12-23	5	6.8	23972.8	23979.6	11.8	32094	32100.8	6.8	5	3	200
13	13/7/2023	5	6.8	23979.6	23986.4	11.8	32100.8	32107.6	6.8	5	3	100
14	14/7/2023	5	6.8	23986.4	23993.2	11.8	32107.6	32114.4	6.8	5	3	100
15	15/7/2023	5	6.8	23993.2	24000	11.8	32114.4	32121.2	6.8	5	3	100
16	16/7/2023	5	6.8	24000	24006.8	11.8	32121.2	32128	6.8	5	3	100
17	17/7/2023	5	6.8	24006.8	24013.6	11.8	32128	32134.8	6.8	5	3	200
18	18/7/2023	5	6.7	24013.6	24020.3	11.7	32134.8	32141.5	6.7	5	3	100
19	19/7/2023	5	6.8	24020.3	24027.1	11.8	32141.5	32148.3	6.8	5	3	100
20	20/7/2023	5	6.8	24027.1	24033.9	11.8	32148.3	32155.1	6.8	5	3	100
21	21/7/2023	5	6.8	24033.9	24040.7	11.8	32155.1	32161.9	6.8	5	3	100
22	22/7/2023	5	6.8	24040.7	24047.5	11.8	32161.9	32168.7	6.8	5	3	100

LTDS RECORD(FOR THE MONTH OF JULY-2023)

S.NO	Date	Opening Balance(kl)	LOW TDS Generation						Total Qty Generation(kl)	Send to PETL (KL)			Closing Balance(kl)	Manifest No
			Cooling Tower Bleed-off (KL)	Boiler Blow down water(KL)	Domestic Water (KL)	MEE Condensate (KL)	ATFD condensate(KL)			Sending Qty(kl)	Meter Reading Opening	Meter Closing		
1	01-07-23	39.179	2	2	1.5	2.6	1.9	10	49.179	20.016	19481.796	19501.81	29.163	622185
2	02-07-23	29.163	1.9	2	1.4	2.7	2	10	39.163	20.013	19501.812	19521.83	19.15	622472
3	03-07-23	19.15	2	2	1.5	2.7	1.9	10.1	29.25				29.25	
4	04-07-23	29.25	2	2	1.5	2.7	2	10.2	39.45				39.45	
5	05-07-23	39.45	1.9	2	1.5	2.7	2	10.1	49.55	20.008	19521.825	19541.83	29.542	623504
6	06-07-23	29.542	2	2	1.5	2.7	2	10.2	39.742				39.742	
7	07-07-23	39.742	2	2	1.5	2.7	1.9	10.1	49.842	20.001	19541.833	19561.83	29.841	624188
8	08-07-23	29.841	1.9	2	1.5	2.7	2	10.1	39.941				39.941	
9	09-07-23	39.941	2	2	1.4	2.6	2	10	49,941	20.001	19561.834	19581.84	29.94	624883
10	10-07-23	29.94	2	2	1.5	2.7	1.9	10.1	40.04	20.006	19581.835	19601.84	20.034	625210
11	11-07-23	20.034	1.9	1.9	1.5	2.6	2	9.9	29.934				29.934	
12	12-07-23	29.934	2	1.9	1.5	2.7	2	10.1	40.034	20.012	19601.841	19621.85	20.022	625869
13	13/7/2023	20.022	2	2	1.5	2.7	1.9	10.1	30.122				30.122	
14	14/7/2023	30.122	2	2	1.4	2.7	1.9	10	40.122	20.006	19621.853	19641.86	20.116	626675
15	15/7/2023	20.116	2	2	1.5	2.7	2	10.2	30.316				30.316	
16	16/7/2023	30.316	1.9	2	1.5	2.6	2	10	40.316	20.001	19641.859	19661.86	20.315	627349
17	17/7/2023	20.315	2	2	1.5	2.7	1.9	10.1	30.415				30.415	
18	18/7/2023	30.415	1.9	2	1.5	2.7	2	10.1	40.515	20.027	19661.86	19681.89	20.488	627903
19	19/7/2023	20.488	2	2	1.5	2.6	1.9	10	30.488				30.488	
20	20/7/2023	30.488	1.9	2	1.5	2.6	2	10	40.488				40.488	
21	21/7/2023	40.488	2	2	1.4	2.7	2	10.1	50.588				50.588	
22	22/7/2023	50.588	2	1.9	1.5	2.7	1.9	10	60.588	20.001	19681.887	19701.89	40.587	629447
23	23/7/2023	40.587	1.9	2	1.5	2.7	2	10.1	50.687				50.687	
24	24/7/2023	50.687	2	1.9	1.4	2.6	1.9	9.8	60.487				60.487	
25	25/7/2023	60.487	1.9	1.9	1.4	2.6	1.9	9.7	70.187				70.187	
26	26/7/2023	70.187	2	2	1.4	2.7	2	10.1	80.287	20.008	19701.888	19721.9	60.279	630825
27	27/7/2023	60.279	2	1.9	1.5	2.7	1.9	10	70.279				70.279	
28	28/7/2023	70.279	2	2	1.5	2.7	2	10.2	80.479	20.001	19721.896	19741.9	60.478	631689
29	29/7/2023	60.478	1.9	1.9	1.4	2.6	2	9.8	70.278	20.001	19741.897	19761.9	50.277	632059
30	30/7/2023	50.277	2	2	1.4	2.6	2	10	60.277	20.005	19761.898	19781.9	40.272	632340
31	31/7/2023	40.272	2	1.9	1.5	2.7	1.9	10	50.272	20.001	19781.903	19801.9	30.271	632788
								311.2	1483.257	320.108				

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Rain Water Details for the Month of July'2023 & Aug'2023						
S.No	**Date**	**Number of Tankers Sent to PETL**	**Rain Water (kl)**	**Total Rain water sent to PETL (KL)**	**Total Rain water sent to PETL for the Month of July'2023(KL)**	**Manifest Number**
1	01.07.2023 to 31.07.2023	1	10	10	510	Manifest Attached
		25	20	500		
S.No	**Date**	**Number of Tankers Sent to PETL**	**Rain Water (kl)**	**Total Rain water sent to PETL (KL)**	**Total Rain water sent to PETL for the Month of Aug'2023(KL)**	**Manifest Number**
1	01.08.2023 to 31.08.2023	2	10	20	860	Manifest Attached
		42	20	840		

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July – 2023

Date	Opening Balance	Opening Reading	Closing Reading	Received from Production	Total	Remarks	Opening Reading	Closing Reading	MEE Feed	Closing Balance	Concentrate 120	Low boils	Primary	Sign
01/07/2023	5000	23898.2	23905.0	6800	11800		32019.4	32026.2	6800	5000	3000	100		
02/07/2023	5000	23905.0	23911.8	6800	11800		32026.2	32033.0	6800	5000	3000	100		
03/07/2023	5000	23911.8	23918.5	6700	11700		32033.0	32039.7	6700	5000	3000	100		
04/07/2023	5000	23918.5	23925.3	6800	11800		32039.7	32046.5	6800	5000	3000	100		
05/07/2023	5000	23925.3	23932.1	6800	11800		32046.5	32053.3	6800	5000	3000	800		
06/07/2023	5000	23932.1	23938.9	6800	11800		32053.3	32060.1	6800	5000	3000	100		
07/07/2023	5000	23938.9	23945.6	6700	11700		32060.1	32066.8	6700	5000	3000	100		
08/07/2023	5000	23945.6	23952.4	6800	11800		32066.8	32073.6	6800	5000	3000	100		
09/07/2023	5000	23952.4	23959.2	6800	11800		32073.6	32080.4	6800	5000	3000	100		
10/07/2023	5000	23959.2	23966.0	6800	11800		32080.4	32087.2	6800	5000	3000	100		
11/07/2023	5000	23966.0	23972.8	6800	11800		32087.2	32094.0	6800	5000	3000	100		
12/07/2023	5000	23972.8	23979.6	6800	11800		32094.0	32100.8	6800	5000	3000	200		
13/07/2023	5000	23979.6	23986.4	6800	11800		32100.8	32107.6	6800	5000	3000	100		
14/07/2023	5000	23986.4	23993.2	6800	11800		32107.6	32114.4	6800	5000	3000	100		
15/07/2023	5000	23993.2	24000.0	6800	11800		32114.4	32121.2	6800	5000	3000	100		
16/07/2023	5000	24000.0	24006.8	6800	11800		32121.2	32128.0	6800	5000	3000	100		

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Date	Opening Balance	Cooling Tower Water	Boiler Blow Down Water	Domestic Water	MEE Condensate	ATFD Condensate	Total	Send to PETL	Manifest No	Closing Balance	Remarks	Sign
01/07/2023	39179	2000	2000	1500	2600	1900	49179	20016	622185	29163		
2/07/2023	29163	1900	2000	1400	2700	2000	39163	20013	622472	19150		
03/07/2023	19150	2000	1000	1500	2700	1900	29250			29250		
04/05/2023	29250	2000	2000	1500	2700	2000	39450			39450		
05/07/2023	39450	1900	2000	1500	2200	2000	49550	20008	623504	29542		
06/07/2023	29542	2000	2000	1500	2700	2000	39742			39742		
07/07/2023	39742	2000	2000	1500	2700	1900	29842	20001	624188	29841		
08/07/2023	29841	1900	2000	1500	2700	2000	39941			39941		
09/07/2023	39941	2000	2006	1900	2600	2000	49941	20001	624883	29940		
10/07/2023	29940	2000	2000	1500	2700	1900	40040	20006	625210	20034		
11/07/2023	20034	1900	1900	1500	2600	2000	29934			29930		
12/07/2023	29934	2000	1900	1900	2700	2000	40034	20012	625869	20022		
13/07/2023	20022	2000	2000	1500	2700	1900	30122			30122		
14/07/2023	30122	2000	2000	1400	2700	1900	40122	20006	626675	20116		
15/07/2023	20116	2000	2000	1500	2700	1000	30316			30316		
16/07/2023	30316	1900	2000	1500	2600	2000	40316	20001	627349	20315		

July – 2023

C: 15

Day	Rain Time	Rain Stopped	Total Raining Time	Remarks	Sign
01/07/2023	18-00	18-45	00-45M	02/07/2023 => 20KL	
02/07/2023	22-00	01-00	3. 01Hrs	manifest no => 622443	
11/07/2023	21-30	00-30	03-00Hrs	03/07/2023 => 20KL	
				manifest no => 622736	
				05/07/2023 => 20KL	
				manifest no => 622795	
24/07/2023	06-00	12-00	6. Hrs	04/07/2023 => 10KL	
				manifest no => 622002	
25/07/2023	06-00	14-00	8 Hrs	06/07/2023 => 20KL	
				manifest no => 623851	
26/07/2023	07-00	11-00	4 Hrs	07/07/2023 => 20KL	
				manifest no => 624175	
27/07/2023	06-00	15-00	9 Hrs	07/07/2023 => 20KL	
				manifest no => 624250	
				07/07/2023 => 20KL	
				manifest no => 624266	
				08/07/2023 => 20KL	
				manifest no => 624373	
				08/07/2023 => 20KL	
				manifest no => 624372	
				08/07/2023 => 20KL	
				manifest no => 624570	
				09/07/2023 => 20KL	
				manifest no => 624895	
				11/07/2023 => 20KL	
				manifest no => 625407	
				11/07/2023 => 20KL	
				manifest no => 625410	
				11/07/2023 => 20KL	
				manifest no => 625582	
				13/07/2023 => 20KL	
				manifest no => 626183	

August - 2023

19.

Date	Rain Time	Rain Stopped	Total Raining Time	Remarks	Sign
01/08/2023	20.45	02.10	05.25m	01/08/2023 => 20KL manifest no => 633033	
02/08/2023	19.05	23.30	4.25 MV	02/08/2023 => 20KL manifest no => 633566	
03/08/2023	02.30	06.50	4.20 Mr	03/08/2023 => 20KL manifest no => 633811	
04/8/2023	01.10	06.30	5.20 MV	03/08/02023 => 20KL manifest no => 633999	
05/8/2023	10.30	15.30	5 MV	05/08/2023 => 20KL manifest no => 634613	
06/8/2023	08.00	13.00	5 MV	05/08/2023 => 20KL manifest no => 634702	
23/8/2023	12.40	18.00	05.20m	06/08/2023 => 20KL manifest no => 629650	
26/8/2023	12.35	20.30	2.55 MV	06/08/2023 => 20KL manifest no => 634836	
				06/08/2023 => 20KL manifest no => 634938	
				06/08/2023 => 20KL manifest no => 635000	
				07/08/2023 => 20KL manifest no => 635287	
				07/08/2023 => 20KL manifest no => 635363	
				08/08/2023 => 20KL manifest no => 635622	
				08/08/2023 => 20KL manifest no => 635668	
				08/08/2023 => 20KL manifest no => 635875	
				09/08/2023 => 20KL manifest no => 635934	

13/07/2023 => 2014
manifest no => 626185
18/07/2023 => 2014
manifest no => 627899
18/07/2023 => 2014
manifest no => 628029
19/07/2023 => 2014
manifest no => 628255
24/07/2023 => 2014
manifest no => 629960
24/07/2023 => 2014
manifest no => 630058
25/07/2023 => 2014
manifest no => 630923
26/07/2023 => 2014
manifest no => 630924
28/07/2023 => 2014
manifest no => 631679
29/07/2023 => 2014
manifest no => 632057

Monthly Production Quantity (Kgs)

S.No	Month & Year	Lansoprazole	Esomeprazole Magnesium Trihydrate	Rabeprazole Sodium	Pantaprazole Sodium	TOTAL
1	Jul-23	628.3	1817.9	1865.8	1275.6	5587.6
2	Aug-23	629.1	1816.5	1867.3	1276.2	5589.1

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Effluent Manifest

Manifest No : 632788 Manifest Date : 31-07-2023 15:41:58

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.001 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

Unit-C

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Effluent Manifest

Manifest No : 632059

Manifest Date : 29-07-2023 14:31:21

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28V5850
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP128/1237/PPC/2009
5	Transporter's Registration No:	AP28V5850
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.001 KL
12	Parameter Values:	PH : 7.4 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 130
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

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TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

Unit-C

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Effluent Manifest

Manifest No : 630825 **Manifest Date :** 26-07-2023 12:17:13

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28TA6009
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	**Transporter's Registration No:**	AP28TA6009
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.008 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 180 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 130
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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eMail:technical@metroapi.com

METROCHEM API PVT. LTD. Unit-C

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Effluent Manifest

Manifest No : 627903

Manifest Date : 18-07-2023 10:21:33

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.027 KL
12	Parameter Values:	PH : 7.4 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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Effluent Manifest

Manifest No : 626675 **Manifest Date : 14-07-2023 13:39:28**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.006 KL
12	**Parameter Values:**	PH : 7.2 TDS(1) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	**Special Handling Instructions & Additional Information:**	USE PPE
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 625210 **Manifest Date :** 10-07-2023 14:33:56

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28TA6009
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	**Transporter's Registration No:**	AP28TA6009
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.006 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 624188 **Manifest Date :** 07-07-2023 13:04:46

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28V5850
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP128/1237/PPC/2009
5	**Transporter's Registration No:**	AP28V5850
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India, Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.001 KL
12	**Parameter Values:**	**PH :** 7.4 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 130
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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eMail:technical@metroapi.com

Unit-C

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Effluent Manifest

Manifest No : 622472

Manifest Date : 02-07-2023 11:58:59

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28TA6009
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	**Transporter's Registration No:**	AP28TA6009
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.013 KL
12	**Parameter Values:**	**PH :** 7.2 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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Effluent Manifest

Manifest No : 622443 **Manifest Date : 02-07-2023 10:15**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.2 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE PPE
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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Effluent Manifest

Manifest No : 622795 **Manifest Date : 03-07-2023 13:50**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS fication of rain water
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

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Unit-C

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Effluent Manifest

Manifest No : 623851 **Manifest Date : 06-07-2023 14:35:59**

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28V5850
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP128/1237/PPC/2009
5	Transporter's Registration No:	AP28V5850
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Ist RO reject water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH: 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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METROCHEM API Unit-C

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Effluent Manifest

Manifest No : 624266

Manifest Date : 07-07-2023 16:03:07

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS first run of rain water
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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Effluent Manifest

Manifest No : 624373 **Manifest Date : 08-07-2023 09:01:57**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.2 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE PPE
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

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Effluent Manifest

Manifest No : 624570 **Manifest Date : 08-07-2023 14:41:56**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS Effluent of rain water
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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Unit-C

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Effluent Manifest

Manifest No : 625410 **Manifest Date : 11-07-2023 10:05:17**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS first run of rain water
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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ROC Unit-C

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Effluent Manifest

Manifest No : 625562 **Manifest Date : 11-07-2023 14:12:14**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS first run of rain water
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

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Unit-C

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Effluent Manifest

Manifest No : 626185 **Manifest Date :** 13-07-2023 10:23:37

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28V5850
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP128/1237/PPC/2009
5	**Transporter's Registration No:**	AP28V5850
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.2 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE PPE
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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METROCHEM API PVT. LTD. Unit-C

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Effluent Manifest

Manifest No : 628029

Manifest Date : 18-07-2023 14:18:16

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28TA6009
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	**Transporter's Registration No:**	AP28TA6009
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS Frist run of rain water
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.000 KL
12	**Parameter Values:**	**PH :** 7.2 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 20
13	**Special Handling Instructions & Additional Information:**	USE PPE
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 630058

Manifest Date : 24-07-2023 12:23:53

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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Effluent Manifest

Manifest No : 630423 Manifest Date : 25-07-2023 12:14:56

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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Effluent Manifest

Manifest No : 631679 Manifest Date : 28-07-2023 15:23:53

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Artfoun of rainwater
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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HTDS RECORD(FOR THE MONTH OF AUG'2023)												
S. NO	Date	Opening Balance (kl)	HTDS Generation				MEE Feeding			Closing Balance in effluent tanks(kl)	MEE Concentration (kl)	Stripper Collection (LOW BOILS) LTS
			Receiving HTDS from Production(kl)	HTDS Opening Reading	HTDS Closing Reading	Total Generation (kl)	MEE Feed flow meter Opening Balance	MEE Feed flow meter Closing Balance	Total Feed Qty to MEE(KL)			
1	08-01-23	5	6.8	24108.6	24115.4	11.8	32229.8	32236.6	6.8	5	3	100
2	08-02-23	5	6.8	24115.4	24122.2	11.8	32236.6	32243.4	6.8	5	3	200
3	08-03-23	5	6.8	24122.2	24129	11.8	32243.4	32250.2	6.8	5	3	100
4	08-04-23	5	6.8	24129	24135.8	11.8	32250.2	32257	6.8	5	3	100
5	08-05-23	5	6.8	24135.8	24142.6	11.8	32257	32263.8	6.8	5	3	100
6	08-06-23	5	6.8	24142.6	24149.4	11.8	32263.8	32270.6	6.8	5	3	100
7	08-07-23	5	6.8	24149.4	24156.2	11.8	32270.6	32277.4	6.8	5	3	100
8	08-08-23	5	6.8	24156.2	24163	11.8	32277.4	32284.2	6.8	5	3	100
9	08-09-23	5	6.8	24163	24169.8	11.8	32284.2	32291	6.8	5	3	100
10	08-10-23	5	6.7	24169.8	24176.5	11.7	32291	32297.7	6.7	5	3	100
11	08-11-23	5	6.8	24176.5	24183.3	11.8	32297.7	32304.5	6.8	5	3	200
12	08-12-23	5	6.8	24183.3	24190.1	11.8	32304.5	32311.3	6.8	5	3	100
13	13/8/2023	5	6.8	24190.1	24196.9	11.8	32311.3	32318.1	6.8	5	3	100
14	14/8/2023	5	6.8	24196.9	24203.7	11.8	32318.1	32324.9	6.8	5	3	100
15	15/8/2023	5	6.8	24203.7	24210.5	11.8	32324.9	32331.7	6.8	5	3	100
16	16/8/2023	5	6.8	24210.5	24217.3	11.8	32331.7	32338.5	6.8	5	2.9	100
17	17/8/2023	5	6.8	24217.3	24224.1	11.8	32338.5	32345.3	6.8	5	3	100
18	18/8/2023	5	6.8	24224.1	24230.9	11.8	32345.3	32352.1	6.8	5	3	200
19	19/8/2023	5	6.8	24230.9	24237.7	11.8	32352.1	32358.9	6.8	5	3	100
20	20/8/2023	5	6.8	24237.7	24244.5	11.8	32358.9	32365.7	6.8	5	3	100
21	21/8/2023	5	6.8	24244.5	24251.3	11.8	32365.7	32372.5	6.8	5	3	100
22	22/8/2023	5	6.7	24251.3	24258	11.7	32372.5	32379.2	6.7	5	3	100

LTDS RECORD(FOR THE MONTH OF AUG-2023)

S. NO	Date	Opening Balance (KL)	LOW TDS Generation							Send to PETL (KL)			Closing Balance (KL)	Manifest No
			Cooling Tower Bleed-off (KL)	Boiler Blow down water (KL)	Domestic Water (KL)	MEE Condensate (KL)	ATFD condensate (KL)		Total Qty Generation (KL)	Sending Qty (KL)	Opening Meter Reading	Closing Meter Reading		
1	01-08-23	30.271	2	2	1.4	2.7	1.9	10	40.271				40.271	
2	02-08-23	40.271	2	2	1.5	2.7	1.9	10.1	50.371				50.371	
3	03-08-23	50.371	2	1.9	1.5	2.6	2	10	60.371	20.008	19801.904	19821.912	40.363	633825
4	04-08-23	40.363	1.9	2	1.5	2.7	2	10.1	50.463	20.001	19821.912	19841.913	30.462	634218
5	05-08-23	30.462	2	2	1.5	2.7	1.9	10.1	40.562	20.004	19841.913	19861.917	20.558	634577
6	06-08-23	20.558	1.9	2	1.5	2.7	2	10.1	30.658	20.008	19861.917	19881.925	10.65	634914
7	07-08-23	10.65	2	2	1.5	2.7	1.9	10.1	20.75				20.75	
8	08-08-23	20.75	2	2	1.4	2.7	2	10.1	30.85	20.001	19881.925	19901.926	10.849	635563
9	09-08-23	10.849	2	2	1.5	2.7	1.9	10.1	20.949		0	0	20.949	
10	10-08-23	20.949	2	2	1.5	2.7	2	10.2	31.149	20.004	19901.926	19921.93	11.145	636237
11	11-08-23	11.145	1.9	2	1.5	2.7	2	10.1	21.245				21.245	
12	12-08-23	21.245	2	2	1.5	2.7	2	10.2	31.445				31.445	
13	13/8/2023	31.445	2	2	1.5	2.7	1.9	10.1	41.545	20.006	19921.93	19941.936	21.539	637310
14	14/8/2023	21.539	2	2	1.4	2.7	2	10.1	31.639	20.005	19941.936	19961.941	11.634	637600
15	15/8/2023	11.634	2	1.9	1.5	2.7	2	10.1	21.734				21.734	
16	16/8/2023	21.734	1.9	2	1.5	2.7	2	10.1	31.834	20.021	19961.941	19981.962	11.813	638195
17	17/8/2023	11.813	2	2	1.5	2.7	1.9	10.1	21.913				21.913	
18	18/8/2023	21.913	2	2	1.5	2.7	2	10.2	32.113	20.011	19981.962	20001.973	12.102	638733
19	19/8/2023	12.102	2	1.9	1.5	2.7	1.9	10	22.102				22.102	
20	20/8/2023	22.102	2	2	1.5	2.7	2	10.2	32.302	20.001	20001.973	20021.974	12.301	639555
21	21/8/2023	12.301	2	2	1.5	2.7	1.9	10.1	22.401				22.401	
22	22/8/2023	22.401	2	2	1.5	2.7	2	10.2	32.601	20.004	20021.974	20041.978	12.597	640238
23	23/8/2023	12.597	1.9	2	1.5	2.7	2	10.1	22.697				22.697	
24	24/8/2023	22.697	2	2	1.5	2.7	2	10.2	32.897	20.002	20041.978	20061.98	12.895	640907
25	25/8/2023	12.895	2	2	1.5	2.7	2	10.2	23.095				23.095	
26	26/8/2023	23.095	1.9	2	1.5	2.7	2	10.1	33.195	20.011	20061.98	20081.991	13.184	641684
27	27/8/2023	13.184	2	2	1.4	2.7	1.9	10	23.184				23.184	
28	28/8/2023	23.184	2	2	1.4	2.7	2	10.1	33.284	20.014	20081.991	20102.005	13.27	642100
29	29/8/2023	13.27	2	2	1.5	2.7	1.9	10.1	23.37				23.37	
30	30/8/2023	23.37	2	1.9	1.5	2.7	2	10.1	33.47	20.001	20102.005	20122.006	13.469	642936
31	31/8/2023	13.469	2	2	1.5	2.7	2	10.2	23.669				23.669	
								313.5		320.102				

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Rain Water Details for the Month of July'2023 & Aug'2023						
S.No	**Date**	**Number of Tankers Sent to PETL**	**Rain Water (kl)**	**Total Rain water sent to PETL (KL)**	**Total Rain water sent to PETL for the Month of July'2023(KL)**	**Manifest Number**
1	01.07.2023 to 31.07.2023	1	10	10	510	Manifest Attached
		25	20	500		
S.No	**Date**	**Number of Tankers Sent to PETL**	**Rain Water (kl)**	**Total Rain water sent to PETL (KL)**	**Total Rain water sent to PETL for the Month of Aug'2023(KL)**	**Manifest Number**
1	01.08.2023 to 31.08.2023	2	10	20	860	Manifest Attached
		42	20	840		

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August - 2023

Date	Opening Balance	Opening Reading	Closing Reading	Received from Production	Total	Remarks	Opening Reading	Closing Reading	MEE Feed	Closing Balance	Concentrate Pro	Low Boils	Remarks	Sign
01/08/2023	5000	24108.6	24115.4	6800	11800		32229.8	32236.6	6800	5000	3000	100		
02/08/2023	5000	24115.4	24122.2	6800	11800		32236.6	32243.4	6800	5000	3000	200		
03/08/2023	5000	24122.2	24129.0	6800	11800		32243.4	32250.2	6800	5000	3000	100		
04/08/2023	5000	24129.0	24135.8	6800	11800		32250.2	32257.0	6800	5000	3000	100		
05/08/2023	5000	24135.8	24142.6	6800	11800		32257.0	32263.8	6800	5000	3000	100		
06/08/2023	5000	24142.6	24149.4	6800	11800		32263.8	32270.6	6800	5000	3000	100		
07/08/2023	5000	24149.4	24156.2	6800	11800		32270.6	32277.4	6800	5000	3000	100		
08/08/2023	5000	24156.2	24163.0	6800	11800		32277.4	32284.2	6800	5000	3000	100		
09/08/2023	5000	24163.0	24168.8	6800	11800		32284.2	32291.0	6800	5000	3000	100		
10/08/2023	5000	24169.8	24176.5	6700	11700		32291.0	32297.7	6700	5000	3000	100		
11/08/2023	5000	24176.5	24183.3	6800	11800		32297.7	32304.5	6800	5000	3000	200		
12/08/2023	5000	24183.3	24190.1	6800	11800		32304.5	32311.3	6800	5000	3000	100		
13/08/2023	5000	24190.1	24196.9	6800	11800		32311.3	32318.1	6800	5000	3000	100		
14/08/2023	5000	24196.9	24203.7	6800	11800		32318.1	32324.9	6800	5000	3000	100		
15/08/2023	5000	24203.7	24210.5	6800	11800		32324.9	32331.7	6800	5000	3000	100		
16/08/2023	5000	24210.5	24217.3	6800	11800		32331.7	32338.5	6800	5000	2900	100		

August – 2023

Date	Opening Balance	Cooling Tower water	Boiler Blow down water	Domestic water	DCCE Condensate	ASFD Condensate	Total	Send PETL	Manifest NO	Closing Balance	Remark	Sign
01/08/2023	30241	2000	2000	1400	2700	1900	40241			40241		
02/08/2023	40241	2000	2000	1500	2700	1900	50371			50371		
03/08/2023	50371	2000	1900	1500	2600	2000	60,371	20.008	633825	40363		
04/08/2023	40363	1900	2000	1500	2700	2000	50463	20.001	634218	30462		
05/08/2023	30462	2000	2000	1500	2700	1500	40562	20.0004	634577	20558		
06/08/2023	20558	1900	2000	1500	2700	2000	30638	20.008	634914	10650		
07/08/2023	10650	2000	2000	1500	2700	1900	20750			20750		
08/08/2023	20750	2000	2000	1400	2700	2000	30850	20.001	635563	10849		
09/08/2023	10849	2000	2000	1500	2700	1900	20949			20949		
10/08/2023	20949	2000	2000	1500	2700	2000	31149	20.004	636237	11145		
11/08/2023	11145	1900	2000	1500	2700	2000	21245			21245		
12/08/2023	21245	2000	2000	1500	2700	2000	31445			31445		
13/08/2023	31445	2000	2000	1500	2700	1900	41545	20.006	637310	21539		
14/08/2023	21539	1000	1000	1400	2700	2000	31639	20.005	637600	11634		
15/08/2023	11634	2000	1900	1500	2700	2000	21734			21734		
16/08/2023	21734	1900	1000	1500	2700	1000	31834	20.021	638195	11813		

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July - 2023

Date	Rain Time	Rain stopped	Total raining time	Remarks	Sign
01/07/2023	18-00	18-45	00-45 Min	02/07/2023 => 20KL	
02/07/2023	22-00	01-00	3 Hrs	manifest no => 622443	
11/07/2023	21-30	00-30	03-00 Hrs	03/07/2023 => 20KL	
				manifest no => 622730	
				03/07/2023 => 20KL	
				manifest no => 622795	
24/07/2023	06-00	12-00	6 Hrs	04/07/2023 => 10KL	
				manifest no => 622002	
25/07/2023	06-00	14-00	8 Hrs	06/07/2023 => 20KL	
				manifest no => 623851	
26/07/2023	07-00	11-00	4 Hrs	07/07/2023 => 20KL	
				manifest no => 624175	
27/07/2023	06-00	15-00	9 Hrs	07/07/2023 => 20KL	
				manifest no => 624250	
				07/07/2023 => 20KL	
				manifest no => 624266	
				08/07/2023 => 20KL	
				manifest no => 624373	
				08/07/2023 => 20KL	
				manifest no => 624372	
				08/07/2023 => 20KL	
				manifest no => 624570	
				09/07/2023 => 20KL	
				manifest no => 624895	
				11/07/2023 => 20KL	
				manifest no => 625407	
				11/07/2023 => 20KL	
				manifest no => 625410	
				11/07/2023 => 20KL	
				manifest no => 625562	
				13/07/2023 => 20KL	
				manifest no => 625183	

August - 2023

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Date	Rain Time	Rain Stopped	Total Raining Time
01/08/2023	20.45	02-10	05-25m
4/08/2023	19.05	23-30	4-25 Mn
10/08/2023	02.30	06-50	4.20 Mn
12/8/2023	01.10	06.30	5-20 Hr
18/8/2023	10-30	15.30	5 Mn
19/8/2023	08.00	13.00	5 Mn
23/8/2023	12-40	18.00	05:20m
26/8/2023	12:35	20.30	2-55 Mn

Remark	Sign
01/08/2023 => 20KL	
manifest No => 633033	
02/08/2023 => 20KL	
manifest No => 633556	
03/08/2023 => 20KL	
manifest No => 633811	
03/08/02023 => 20KL	
manifest No => 633999	
05/08/2023 => 20KL	
manifest No => 634613	
05/08/2023 => 20KL	
manifest No => 634702	
05/08/2023 => 20KL	
manifest No => 634656	
06/08/2023 => 20KL	
manifest No => 634836	
06/08/2023 => 20KL	
manifest No => 634938	
06/08/2023 => 20KL	
manifest No => 635000	
07/08/2023 => 20KL	
manifest No => 635287	
07/08/2023 => 20KL	
manifest No => 635303	
08/08/2023 => 20KL	
manifest No => 635622	
08/08/2023 => 20KL	
manifest No => 635658	
09/08/2023 => 20KL	
manifest No => 635875	
09/08/2023 => 20KL	
manifest No => 635934	

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13/07/2023 => 20M
manifest no => 626185
18/07/2023 => 20M
manifest no => 627899
18/07/2023 => 20M
manifest no => 628029
19/07/2023 => 20M
manifest no => 628255
24/07/2023 => 20M
manifest no => 629960
24/07/2023 => 20M
manifest no => 630058
27/07/2023 => 20M
manifest no => 630923
26/07/2023 => 20M
manifest no => 630924
28/07/2023 => 20M
manifest no => 631679
29/07/2023 => 20M
manifest no => 632057

Monthly Production Quantity (Kgs)

S.No	Month & Year	Lansoprazole	Esomeprazole Magnesium Trihydrate	Rabeprazole Sodium	Pantaprazole Sodium	TOTAL
1	Jul-23	628.3	1817.9	1865.8	1275.6	5587.6
2	Aug-23	629.1	1816.5	1867.3	1276.2	5589.1

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Effluent Manifest

Manifest No : 642936 **Manifest Date : 30-08-2023 11:59:29**

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.001 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 130
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

METROCHEM API (PVT.) LTD. Unit-C

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Effluent Manifest

Manifest No : 641684

Manifest Date : 26-08-2023 14:10:54

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP12U9891
4	**Transporter Name & Address, Phone No. and Email:**	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	**Transporter's Registration No:**	AP12U9891
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.011 KL
12	**Parameter Values:**	**PH :** 7.4 **TDS(I) (in mg/l):** 180 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 150
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 640238 **Manifest Date : 22-08-2023 13:35:14**

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.004 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 638733 **Manifest Date : 18-08-2023 08:32:34**

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.011 KL
12	Parameter Values:	PH : 7.4 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 130
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 637600 **Manifest Date :** 14-08-2023 12:40:37

1	**Sender's Name & Mailing Address, Phone No. and Email**	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	**Sender's Authorisation No:**	TSPCB/NLG/HO/CFO/2018-1566
3	**Vehicle Registration No:**	AP28TA6009
4	**Transporter Name & Address, Phone No. and Email:**	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	**Transporter's Registration No:**	AP28TA6009
6	**Type of Vehicle & Capacity of Vehicle(KL):**	Tanker 20
7	**Receiver's Name & Address, Phone No. and Email:**	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	**Receiver's Authorisation No:**	125
9	**Waste Description:**	LTDS
10	**Consistency:**	Liquid
11	**Total Quantity :**	20.005 KL
12	**Parameter Values:**	**PH :** 7.3 **TDS(I) (in mg/l):** 150 **NH3-N (in mg/l):** 8 **COD (in mg/l):** 120
13	**Special Handling Instructions & Additional Information:**	USE P.P.E
14	**Discrepancy Note Space:**	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

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Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 636237

Manifest Date : 10-08-2023 11:16:41

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase-IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.004 KL
12	Parameter Values:	PH : 7.3 TDS(l) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 634914 **Manifest Date :** 06-08-2023 11:11:35

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.008 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 180 NH3-N (in mg/l): 8 COD (in mg/l): 130
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations. (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
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Ph:8187897832
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Effluent Manifest

Manifest No : 634218

Manifest Date : 04-08-2023 12:34:23

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.001 KL
12	Parameter Values:	PH : 7.3 TDS(l) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
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Effluent Manifest

Manifest No : 633033

Manifest Date : 01-08-2023 10:52:22

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap12S/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 633811

Manifest Date : 03-08-2023 11:28:36

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 634613

Manifest Date : 05-08-2023 12:39:17

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 634702

Manifest Date : 05-08-2023 15:19:16

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 634938

Manifest Date : 06-08-2023 12:08:08

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS [illegible]
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(i) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 635287

Manifest Date : 07-08-2023 14:37:06

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Duadigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(i) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
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Effluent Manifest

Manifest No : 635622 Manifest Date : 08-08-2023 14:21:38

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL. SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Final out of Lab water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 130
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 635875

Manifest Date : 09-08-2023 11:05:11

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Qutbubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Treated effluent water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

Unit-C

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Effluent Manifest

Manifest No : 636353 Manifest Date : 10-08-2023 14:51:19

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28V5850
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP128/1237/PPC/2009
5	Transporter's Registration No:	AP28V5850
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS first transferwater
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 3 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 636456

Manifest Date : 11-08-2023 07:12:01

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CPO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 636636 Manifest Date : 11-08-2023 11:58:29

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS First run of rain water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

Unit-C

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Effluent Manifest

Manifest No : 636835

Manifest Date : 12-08-2023 07:29:56

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS First run of rain water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 637109 Manifest Date : 12-08-2023 15:36:13

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Raw material chemical
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
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Unit-C

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Effluent Manifest

Manifest No : 637213 **Manifest Date : 13-08-2023 08:22:05**

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/RO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

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TELANGANA.
Ph:8187897832
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Effluent Manifest

Manifest No : 637447 **Manifest Date : 14-08-2023 08:50:24**

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12V1018
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist, 9000005456 Permit No: AP128/2857/PPC/2011
5	Transporter's Registration No:	
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 10
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS First run of rainwater
10	Consistency:	Liquid
11	Total Quantity :	10.00 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USEPPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

Unit-C

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Effluent Manifest

Manifest No : 637426

Manifest Date : 14-08-2023 08:06:37

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO: 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No.23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Evisl vun of Yain Wata
10	Consistency:	Liquid
11	Total Quantity :	20.00 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 638650 Manifest Date : 17-08-2023 16:52:42

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28V5850
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP123/1237/PPC/2009
5	Transporter's Registration No:	AP28V5850
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Distillation of spent solvent
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.5 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
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Effluent Manifest

Manifest No : 639065

Manifest Date : 19-08-2023 07:29:36

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Part of Rain water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

Print Close

Effluent Manifest

Manifest No : 639834 **Manifest Date : 21-08-2023 12:05:35**

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Treated Effluent water
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 640170 Manifest Date : 22-08-2023 11:30:56

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12V1018
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: AP128/2857/PPC/2011
5	Transporter's Registration No:	
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 10
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS First run of rain water
10	Consistency:	Liquid
11	Total Quantity :	10.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
eMail:technical@metroapi.com

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Effluent Manifest

Manifest No : 641847

Manifest Date : 27-08-2023 08:40:00

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP12U9891
4	Transporter Name & Address, Phone No. and Email:	M.K.TRANSPORT M. Jagan Naik, 9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9849040766 Permit No: Ap128/5574/ppc/2013
5	Transporter's Registration No:	AP12U9891
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS Restoration of Primary
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.3 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE P.P.E
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
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Effluent Manifest

Manifest No : 642101

Manifest Date : 28-08-2023 08:56:44

1	Sender's Name & Mailing Address, Phone No. and Email	Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com
2	Sender's Authorisation No:	TSPCB/NLG/HO/CFO/2018-1566
3	Vehicle Registration No:	AP28TA6009
4	Transporter Name & Address, Phone No. and Email:	M.K. Transport M. Lakshmi,9-8 Dundigal X Roads,Quthubullapur (mandal), R.R. Dist. 9000005456 Permit No: TS0008/5954/PCC/2018
5	Transporter's Registration No:	AP28TA6009
6	Type of Vehicle & Capacity of Vehicle(KL):	Tanker 20
7	Receiver's Name & Address, Phone No. and Email:	M/s. Patancheru Enviro Tech Ltd [PETL] Plot No 23,24&24, Phase -IV, IDA, Patancheru, Medak District, Telangana, India. Ph:8964575253 Reg No: 125
8	Receiver's Authorisation No:	125
9	Waste Description:	LTDS
10	Consistency:	Liquid
11	Total Quantity :	20.000 KL
12	Parameter Values:	PH : 7.2 TDS(I) (in mg/l): 150 NH3-N (in mg/l): 8 COD (in mg/l): 120
13	Special Handling Instructions & Additional Information:	USE PPE
14	Discrepancy Note Space:	
15	I hereby declare that the containers of this consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked and labelled in all respect in proper condition for transport by road according to applicable National Government Regulations (Metrochem API Pvt Ltd, Unit-C SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA. Ph:8187897832 eMail:technical@metroapi.com)	

SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.

Metrochem API Pvt Ltd, Unit-C
SY. NO. 42, ALINAGAR, GADDAPOTHARAM VILLAGE, JINNARAM MANDAL, SANGAREDDY DISTRICT, TELANGANA.
Ph:8187897832
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ANNEXURE-III

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JULY-2023 STP Daily Readings									
DATE	INLET			OUTLET			KWH		
	Morning	Eving	Diff	Morning	Eving	Diff	Morning	Eving	Diff
01-07-23	108617.3	108623.1	5.8	108580.3	108585.1	4.8	197771.1	197782.1	11
03-07-23	108623.1	108629.2	6.1	108585.1	108590.1	5	197782.1	197793.8	11.7
04-07-23	108629.2	108635.2	6	108590.1	108594.9	4.8	197792.8	197803.5	10.7
05-07-23	108635.2	108641	5.8	108594.9	108598.8	3.9	197803.5	197812.2	8.7
06-07-23	108642.1	108648.3	6.2	108598.8	108603.7	4.9	197812.2	197823.9	11.7
07-07-23	108648.3	108654.6	6.3	108603.7	108608.6	4.9	197823.9	197833.6	9.7
08-07-23	108654.6	108660.9	6.3	108608.6	108614.5	5.9	197833.6	197843.8	10.2
10-07-23	108660.9	108667.1	6.2	108614.5	108619.4	4.9	197843.8	197854	10.2
11-07-23	108667.1	108673.1	6	108619	108624.3	5.3	197854	197864.2	10.2
12-07-23	108673.1	108679.4	6.3	108624.3	108628.2	3.9	197864.2	197874.4	10.2
13-07-23	108679.8	108685.1	5.3	108628.2	108633.1	4.9	197874.4	197884.6	10.2
14-07-23	108685.1	108691.1	6	108633.1	108639	5.9	197884.6	197894.8	10.2
15-07-23	108691.1	108697.7	6.6	108639	108642.2	3.2	197894.8	197905	10.2
17-07-23	108697.7	108703.4	5.7	108642.2	108646.8	4.6	197905	197913.2	8.2
18-07-23	108703.4	108710.3	6.9	108646.8	108652.7	5.9	197913.2	197925.4	12.2
19-07-23	108710.3	108717.6	7.3	108652.7	108658.6	5.9	197925.4	197935.6	10.2
20-07-23	108717.6	108722.9	5.3	108658.6	108663.5	4.9	197935.6	197942.8	7.2
21-07-23	108722.9	108729.2	6.3	108663.5	108668.4	4.9	197942.8	197956	13.2
22-07-23	108729.2	108734.5	5.3	108668.4	108673.3	4.9	197956	197966.2	10.2
24-07-23	108736.5	108742.8	6.3	108673.3	108678.2	4.9	197966.2	197975.4	9.2
25-07-23	108742.8	108748.1	5.3	108678.2	108683.1	4.9	197975.4	197986.6	11.2
26-07-23	108749.1	108755.4	6.3	108683.1	108687.2	4.1	197986.6	197996.8	10.2
27-07-23	108755.4	108761.7	6.3	108687.2	108692.9	5.7	197996.8	198007	10.2
28-07-23	108761.7	108768.9	7.2	108692.9	108697.8	4.9	198007	198017.2	10.2
29-07-23	108768.9	108774.3	5.4	108697.8	108701.7	3.9	198017.2	198027.4	10.2
30-07-23	108774.3	108780.6	6.3	108701.7	108707.6	5.9	198027.4	198037.6	10.2
			158.8			127.7			267.5

STP Daily Readings

July-2023

Date	Inlet			Outlet		ENERGY KWH		
	Morning	Evening	Difference	Morning	Evening	Difference	Morning	Evening	Difference
1-07-23	1086[illegible].3	1086[illegible].1	5.8	1085.80.3	1085[illegible].1	4.8	197[illegible].1	197[illegible].1	11
2-7-23	1086[illegible].1	1086[illegible].2	6.1	1085[illegible].1	1085[illegible].1	5	197[illegible].1	197[illegible].8	11.7
3-7-23	1086[illegible].2	1086[illegible].2	6	1085[illegible].1	1085[illegible].9	4.8	197[illegible].8	197[illegible].5	10.7
4-7-23	1086[illegible].2	1086[illegible]	5.8	1085[illegible].9	1085[illegible].8	3.9	197[illegible].5	197[illegible].2	8.7
5-7-23	1086[illegible].1	1086[illegible].8	6.2	1085[illegible].8	1086[illegible].7	4.9	197[illegible].2	197[illegible].9	11.7
6-7-23	—	—	—	—	—	—	—	—	—
7-7-23	1086[illegible].3	1086[illegible].6	6.3	1086[illegible].7	1086[illegible].6	4.9	197[illegible].9	197[illegible].6	9.7
8-7-23	1086[illegible].6	1086[illegible].9	6.3	1086[illegible].6	1086[illegible].5	5.9	197[illegible].6	197[illegible].8	10.2
9-7-23	1086[illegible].9	1086[illegible].1	6.2	1086[illegible].5	1086[illegible].4	4.9	197[illegible].8	197[illegible]	10.2
10-7-23	1086[illegible].1	1086[illegible].1	6	1086[illegible]9	1086[illegible].3	5.3	197[illegible]	197[illegible].2	10.2
11-7-23	1086[illegible].1	1086[illegible].4	6.3	1086[illegible].3	1086[illegible].2	3.9	197[illegible].2	197[illegible].4	10.2
12-7-23	1086[illegible].8	1086[illegible].1	5.3	1086[illegible].2	1086[illegible].1	4.9	197[illegible].4	197[illegible].6	10.2
13-7-23	—	—	—	—	—	—	—	—	—
14-7-23	1086[illegible].1	1086[illegible].1	6	1086[illegible]3.1	1086[illegible]9	5.9	197[illegible].6	197[illegible].8	10.2
15-7-23	1086[illegible].1	1086[illegible].7	6.6	1086[illegible]39	1086[illegible].2	3.2	197[illegible].8	197[illegible]5	10.2
16-7-23	1086[illegible].7	1084[illegible].4	5.7	1086[illegible].2	1086[illegible].9	4.6	197[illegible]5	197[illegible].2	8.2
17-7-23	1084[illegible].4	1087[illegible].3	6.9	1086[illegible].8	1086[illegible].7	5.9	197[illegible].2	197[illegible].4	12.2
18-7-23	1087[illegible].3	1087[illegible].6	7.3	1086[illegible].7	1086[illegible].6	5.9	197[illegible].4	197[illegible].6	10.2
19-7-23	1087[illegible].6	1087[illegible].9	5.3	1086[illegible].6	1086[illegible].5	4.9	197[illegible].6	197[illegible].8	7.2
20-7-23	—	—	—	—	—	—	—	—	—
21-7-23	1087[illegible].9	1087[illegible].2	6.3	1086[illegible]63.5	1086[illegible].4	4.9	197[illegible].8	197[illegible]56	13.2
22-7-23	1087[illegible].2	1087[illegible].5	5.3	1086[illegible].4	1086[illegible].3	4.9	197[illegible].6	197[illegible].2	10.2
23-7-23	1087[illegible].5	1087[illegible].8	6.3	1086[illegible].3	1086[illegible].2	4.9	197[illegible].2	197[illegible].4	9.2
24-7-23	1087[illegible].8	1087[illegible].1	5.3	1086[illegible].2	1086[illegible].1	4.9	197[illegible].4	197[illegible].6	11.2
25-7-23	1087[illegible].1	1087[illegible].4	6.3	1086[illegible].1	1086[illegible].2	4.1	197[illegible].6	197[illegible].8	10.2
26-7-23	1087[illegible].4	1087[illegible].7	7.3	1086[illegible].2	1086[illegible].9	5.7	197[illegible].8	198[illegible]7	10.2
27-7-23	—	—	—	—	—	—	—	—	—
28-7-23	1087[illegible].7	1087[illegible].9	7.2	1086[illegible].9	1086[illegible].8	4.9	198[illegible]7	198[illegible].2	10.2
29-7-23	1087[illegible].9	1087[illegible].3	5.9	1086[illegible].8	1087[illegible].7	3.9	198[illegible].2	198[illegible].4	10.2
30-7-23									
				1087[illegible].7	1087[illegible].6	5.9	198[illegible].4	198[illegible].6	

AUGUST-2023 STP Daily Readings									
DATE	INLET			OUTLET			KWH		
	Morning	Eving	Diff	Morning	Eving	Diff	Morning	Eving	Diff
01-08-23	108751.7	108757.6	5.9	108712.6	108717.5	4.9	198049.6	198061.5	11.9
02-08-23	108757.6	108763.5	5.9	108717.5	108722.5	5	198061.5	198072.6	11.1
03-08-23	108763.5	108769.6	6.1	108722.1	108727.9	5.8	198072.6	198083.7	11.1
04-08-23	108769.6	108775.5	5.9	108727.5	108732.9	5.4	198083.7	198094.6	10.9
05-08-23	108775.5	108781.3	5.8	108732.5	108737.9	5.4	198094.8	198105.8	11
07-08-23	108781.3	108787.5	6.2	108737.3	108743.1	5.8	198105.9	198117.8	11.9
08-08-23	108787.5	108793.6	6.1	108743.1	108748.6	5.5	198117	198128.1	11.1
09-08-23	108793.6	108799.5	5.9	108748.6	108753.2	4.6	198128.1	198139.1	11
10-08-23	108799.5	108805.6	6.1	108753.2	108758.5	5.3	198139.2	198150.9	11.7
11-08-23	108805.6	108811.6	6	108758.5	108763.6	5.1	198150.3	198161.4	11.1
12-08-23	108811.6	108817.5	5.9	108763.6	108768.5	4.9	198161.4	198172.3	10.9
14-08-23	108817.6	108823.7	6.1	108768.5	108773.6	5.1	198172.5	198183.1	10.6
15-08-23	108823.7	108829.6	5.9	108773.6	108778.1	4.5	198183.6	198194.1	10.5
16-08-23	108829.6	108835.5	5.9	108778.1	108783.8	5.7	198194.7	198205.2	10.5
17-08-23	108835.5	108841.6	6.1	108783.8	108788.9	5.1	198205.8	198216.3	10.5
18-08-23	108841.6	108847.4	5.8	108788.9	108793.5	4.6	198216.9	198228.2	11.3
19-08-23	108847.4	108853.6	6.2	108793.5	108799.1	5.6	198228	198239.8	11.8
21-08-23	108853.6	108859.6	6	108799.1	108804.2	5.1	198239.1	198250.2	11.1
22-08-23	108859.6	108865.2	5.6	108804.2	108809.3	5.1	198250.2	198261.9	11.7
23-08-23	108865.2	108871.6	6.4	108809.3	108814.9	5.6	198261.3	198272.9	11.6
24-08-23	108871.6	108877.9	6.3	108814.4	108819.5	5.1	198272.4	198283.2	10.8
25-08-23	108877.9	108883.6	5.7	108819.5	108824.8	5.3	198283.5	198294.1	10.6
26-08-23	108883.6	108889.2	5.6	108824.8	108829.7	4.9	198294.6	198305.5	10.9
28-08-23	108889.2	108895.4	6.2	108829.7	108834.9	5.2	198305.7	198316.1	10.4
29-08-23	108895.4	108901.1	5.7	108834.8	108839.9	5.1	198316.8	198327.9	11.1
30-08-23	108901.1	108907.8	6.7	108839.9	108845.5	5.6	198327.9	198339	11.1
			156.033			135.3			288.2

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August-2023 STP Daily Readings

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Date	INLET Mrng	INLET Evng	Difference	OUTLET Morning	OUTLET Evng	Difference	ENERGY KWH Mrng	ENERGY KWH Evng	Difference	Remarks
1-08-23	108751.7	108757.6	5.9	108712.6	108717.5	4.9	198049.6	198061.5	11.9	
2-08-23	108757.6	108763.5	5.9	108717.5	108722.5	5	198061.5	198072.6	11.1	
3-08-23	108763.5	108769.6	6.1	108722.1	108727.9	5.8	198072.6	198083.7	11.1	
4-08-23	108769.6	108775.5	5.9	108727.5	108732.9	5.4	198083.7	198094.6	10.9	
5-08-23	108775.5	108781.3	5.8	108732.5	108737.9	5.4	198094.8	198105.8	11	
7-08-23	108781.3	108787.5	6.2	108737.3	108743.5	6.0	198105.9	198117.8	11.9	
8-08-23	108787.5	108793.6	6.1	108743.5	108748.6	5.1	198117	198128.1	11.1	
9-08-23	108793.6	108799.5	5.9	108748.6	108753.2	4.6	198128.1	198139.1	11	
10-08-23	108799.5	108805.6	6.1	108753.2	108758.5	5.3	198139.2	198150.9	11.7	
11-08-23	108805.6	108811.6	6	108758.5	108763.6	5.1	198150.3	198161.4	11.1	
12-08-23	108811.6	108817.5	5.9	108763.6	108768.5	4.9	198161.4	198172.3	10.9	
14-08-23	108817.6	108823.7	6.1	108768.5	108773.6	5.1	198172.5	198183.1	10.6	
15-08-23	108823.7	108829.6	5.9	108773.6	108778.1	4.5	198183.6	198194.1	10.5	
16-08-23	108829.6	108835.5	5.9	108778.1	108783.8	5.7	198194.7	198205.2	10.5	
17-08-23	108835.5	108841.6	6.1	108783.8	108788.9	5.1	198205.8	198216.3	11.3	
18-08-23	108841.6	108847.4	5.8	108788.9	108793.5	4.6	198216.9	198228.2	11.8	
19-08-23	108847.4	108853.6	6.2	108793.5	108799.1	5.6	198228	198239.8	11.1	
21-08-23	108853.6	108859.6	6	108799.1	108804.2	5.1	198239.1	198250.7	11.7	
22-08-23	108859.6	108865.2	5.6	108804.2	108809.3	5.1	198250.2	198261.9	11.6	
23-08-23	108865.2	108871.6	6.4	108809.3	108814.4	5.1	198261.9	198272.9	10.8	
24-08-23	108871.6	108877.9	6.3	108814.4	108819.5	5.1	198272.4	198283.2	10.6	
25-08-23	108877.9	108883.6	5.7	108819.5	108824.8	5.3	198283.5	198294.1	10.9	
26-08-23	108883.6	108889.2	5.6	108824.8	108829.7	4.9	198294.6	198305.5	10.9	
28-08-23	108889.2	108895.4	6.2	108829.7	108834.9	6.2	198305.7	198316.1	10.4	
29-08-23	108895.4	108901.1	5.7	108834	108839.9	5.1	198316.8	198327.9	11.1	
30-08-23	108901.2	108907.8	6.7	108839.9	108845.5	~~10885~~ 5.6	198327.9	198339.	11.1	

Item No.03:- 221 ANNEXURE -IV

BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI

(Through Video Conference)

Original Application No. 127 of 2023 (SZ)(LP)

IN THE MATTER OF:

Pradeep,
Telangana.

...Applicant(s)

Versus

District Collector,
Sangareddy, Telangana and Ors.

...Respondent(s)

Date of hearing: 12.12.2024.

CORAM:

HON'BLE Smt. JUSTICE PUSHPA SATHYANARAYANA, JUDICIAL MEMBER

HON'BLE Dr. SATYAGOPAL KORLAPATI, EXPERT MEMBER

For Applicant(s): None.

For Respondent(s): Mr. Mohamed Aathic represented
Mrs. H. Yasmeen Ali for R1.
Ms. P.K. Revathy represented
Mr. T. Sai Krishnan for R2 & R3.
Ms. S. Deepika for R4.

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ORDER

1. Today, there is no representation for the applicant.

2. The report filed by the Telangana State Pollution Control Board (TGPCB) has not specifically stated the reason for the fish kill on the relevant date viz., 19.08.2023. In this regard, a letter was also sent by the applicant herein to the TGPCB on 02.08.2023.

3. Let the TGPCB verify with the log book of ETPs operated by companies located upstream and furnish a reason for the occurrence of mass mortality of fish kill. Let the report also state whether the ETPs were functioning on the relevant date to its full capacity.

4. Post the matter on **13.02.2025.**

Sd/-
Smt. Justice Pushpa Sathyanarayana, JM

Sd/-
Dr. SatyagopalKorlapati, EM

O.A. No.127/2023(SZ)
12th December, 2024. AD.