

**BEFORE THE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI  
ORIGINAL APPLICATION NO. 785/2023**

**IN THE MATTER OF:**

**SUO MOTO BASED ON NEWS ITEM APPEARING IN THE TRIBUNE  
DATED 15.12.2023 TITLED “KASaulI DISTILLERY DUMPS EFFLUENT  
INTO WATER SOURCE, SUPPLY AFFECTED”**

**... APPLICANT**

**VERSUS**

**MOEF&CC AND ORS.**

**... RESPONDENTS**

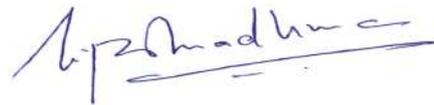
**INDEX**

<b>S.No.</b>	<b>Particulars</b>	<b>Page No.</b>
<b>1.</b>	Reply on behalf of the Respondent No. 5 to the Joint Inspection Report of the Second Committee dated 20.08.2024 filed in compliance of Order dated 09.04.2024 passed by this Hon’ble Tribunal along with Affidavit.	<b>1-21</b>
<b>2.</b>	<b>ANNEXURE-A</b> A copy of the letter dated 18.11.2024 by Respondent No. 5 to HPGWA	<b>22-23</b>
<b>3.</b>	<b>ANNEXURE-B</b> A copy of the response letter dated 21.11.2024 by HPGWA to Respondent No. 5	<b>24</b>
<b>4.</b>	<b>ANNEXURE-C</b> Proof of payment of cess/royalty on the usage of ground water and spring water by the Respondent No.5	<b>25-43</b>

<b>5.</b>	<p><b>ANNEXURE-D (COLLY)</b></p> <p>A copy of the emails dated 04.12.2024, 19.12.2024, 23.12.2024 and 27.12.2024, exchanged between the answering Respondent No.5 and CPCB</p>	<b>44-49</b>
<b>6.</b>	<p><b>ANNEXURE-E [COLLY]</b></p> <p>A copy of a few photographs taken from the said CCTVs as well as a photograph of the screen installed on the main gate of the Unit</p>	<b>50-52</b>
<b>7.</b>	<p><b>ANNEXURE-F[COLLY]</b></p> <p>A copy of the email correspondence between the answering Respondent and HPSPCB with respect to connection of CCTV cameras with HPSPCB as well as proof of connection with CPCB's server</p>	<b>53-56</b>
<b>8.</b>	<p><b>ANNEXURE-G</b></p> <p>The photographs of flaring mechanism</p>	<b>57</b>
<b>9.</b>	<p><b>ANNEXURE-H</b></p> <p>A copy of the Irrigation Management Plan dated 23.12.2024</p>	<b>58-80</b>
<b>10.</b>	<p><b>ANNEXURE-I (COLLY)</b></p> <p>A copy of the photograph of the electromagnetic flow meter at the raw-spent wash line along with the log book</p>	<b>81-88</b>
<b>11.</b>	<p><b>ANNEXURE-J[COLLY]</b></p> <p>A copy of the photographs as evidence of the colour coding</p>	<b>89-92</b>
<b>12.</b>	<p><b>ANNEXURE-K</b></p> <p>A photograph of the steam condensate tank</p>	<b>93</b>
<b>13.</b>	<p><b>ANNEXURE-L</b></p>	<b>94-95</b>

	Photographs of the environmental data display board at the entrance of the main gate	
14.	<b>ANNEXURE-M (COLLY)</b> Copy of the log books maintained by the Respondent No. 5	96-252
15.	<b>ANNEXURE-N</b> A copy of Renewal of Authorisation Letter dated 22.11.2024 in favour of M/s Shivalik Solid Waste Management Ltd.	253-259
16.	<b>ANNEXURE-O[COLLY]</b> Photographs of the sludge stored in the drying beds, copy of the manifest form-10 issued by M/s Shivalik Solid Waste Management Limited and confirmation regarding disposal of waste issued by M/s Shivalik Solid Waste Management Limited	260-265
17.	<b>ANNEXURE-P</b> A copy of the newspaper article in the Tribune dated 02.12.2024	266
18.	<b>ANNEXURE-Q</b> A copy of the footage of biogas stored in gas holder of 02.07.2024 and 03.07.2024 taken from CCTV Camera installed at ETP	267
19.	Proof of Service	

THROUGH



VIPUL WADHWA/KASHIKA GERA

ADVOCATES FOR THE RESPONDENT NO.5

14,CISRS HOUSE, JANGPURA-B, NEW DELHI-110014

PLACE: KASAUJI

DATE: 13.02.2025

[VIPUL@KTLAW.IN](mailto:VIPUL@KTLAW.IN) | +91-9873779113

BEFORE THE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION NO. 785/2023

IN THE MATTER OF:

SUO MOTO BASED ON NEWS ITEM APPEARING IN THE TRIBUNE  
DATED 15.12.2023 TITLED "KASALI DISTILLERY DUMPS EFFLUENT  
INTO WATER SOURCE, SUPPLY AFFECTED"

... APPLICANT

VERSUS

MOEF&CC AND ORS.

... RESPONDENTS

REPLY ON BEHALF OF THE RESPONDENT NO. 5 TO THE JOINT  
INSPECTION REPORT OF THE SECOND COMMITTEE DATED 20.08.2024  
FILED IN COMPLIANCE OF ORDER DATED 09.04.2024 PASSED BY THIS  
HON'BLE TRIBUNAL

MOST RESPECTFULLY SHOWETH:

1. That the captioned matter is pending adjudication and is next listed before this Hon'ble Tribunal on 17.02.2025. The captioned matter was last listed before this Hon'ble Tribunal on 23.10.2024, on which date this Hon'ble Tribunal took

cognizance of the Joint Inspection Report prepared by the Second Committee, which was constituted pursuant to the directions passed by this Hon'ble Tribunal on 09.04.2024 ("Second Committee Report"). Thereafter, vide the said order dated 23.10.2024, time was granted to the answering Respondent to file its response to the Second Committee Report.

2. That at the outset, it is submitted that the recommendations put forth by the Second Committee Report are generic in nature and the Second Committee has not reported any adverse findings against the Respondent No.5. The Second Committee Report also clearly establishes the fact that the answering Respondent is not discharging any untreated effluent in the nallah and downstream of the Unit.
3. That further, the answering Respondent has adopted the recommendations put forth by the Second Committee Report. The recommendations made by the Second Committee Report and the answering Respondent's response to the same are set out below:

**A. Recommendation No. 1**

**The Unit does not have the permission for the abstraction of water emerging from the two natural springs located within the Unit premises. The Unit should take necessary permissions from the competent authority for use of natural spring water.**

- i. That it is pertinent to note that the two natural spring sources exist on the Unit since more than 100 years today. The Second Committee's Report suggests that the answering Respondent takes necessary

permissions from the competent authority for use of natural spring water. In this regard, it is submitted that the Unit vide its letter dated 18.11.2024, approached the Himachal Pradesh Ground Water Authority (“HPGWA”), requesting for the registration of the said spring water sources in the name of the answering Respondent. A copy of the letter dated 18.11.2024 is annexed hereto and marked as **ANNEXURE-A.**

- ii. That the HPGWA vide its response letter dated 21.11.2024, apprised the answering Respondent that there was no requirement for the registration of natural spring waters with HPGWA. A copy of the response letter dated 21.11.2024 is annexed hereto and marked as **ANNEXURE-B.**
- iii. That it is further submitted that there is no authority in the State of Himachal Pradesh with which the answering Respondent can take necessary steps for registering the said spring water sources.
- iv. That further, it is pertinent to mention that the answering Respondent has paid cess on the usage of ground water as well as the spring water up till 31.07.2017 to HPSPCB. Thereafter, on account of the introduction of the GST provisions, the payment of water cess was discontinued by the Government of Himachal. Thereafter, the answering Respondent has paid royalty on the usage of ground water as well as spring water up to date i.e. till the financial year 2023-2024, to HPGWA. Proof of payment of cess/royalty on the usage of

ground water and spring water is annexed hereto and marked as

**ANNEXURE-C.**

**B. Recommendation No. 2**

The Unit has provided CCTV camera focussing on drain adjacent to the ETP. The Unit should relocate the CCTV cameras with PTZ facility at an appropriate place such as final outlet of ETP (i.e. RO permeate final tank facing gas holder tank) and at drain downstream of the ETP (showing downstream of natural drain not the adjacent ETP drain) and provide screen with live feed of CCTV in public domain near Unit's entrance. Further, the Unit should also connect the same to HPSPCB and CPCB server.

- i. That the answering Respondent in compliance of the said recommendation has installed 2X CCTV cameras with PTZ facility at the final outlet of the ETP and in accordance with the suggestion, the said camera is at the RO permeate tank and faces the gas holder tank. CCTV camera has also been installed at the drain downstream of the ETP. I
- ii. That it is submitted that in compliance with the recommendations, the answering Respondent has live streaming from the said cameras to CPCB. In this regard, reliance is placed upon the emails dated 04<sup>th</sup> December 2024, 19<sup>th</sup> December 2024, 23<sup>rd</sup> December 2024 and 27<sup>th</sup> December 2024, exchanged between the answering Respondent and

CPCB. The cameras (one at ETP outlet and the other at the nallah downstream), can now be accessed anytime by CPCB using the links:

<http://45.65.49.154:8081> (user Id: admin; Password: Admin@1234)  
<http://45.65.49.154:8084> (user Id: admin; Password: Admin@1234)

The said cameras can also be accessed without the need for a log-in from the following links:

<http://errandpcb.com/up/MohanMeakinKasauliEtp.php>

<http://errandpcb.com/up/MohanMeakinKasauliDrian.php>

A copy of the emails dated 04<sup>th</sup> December 2024, 19<sup>th</sup> December 2024, 23<sup>rd</sup> December 2024 and 27<sup>th</sup> December 2024, exchanged between the answering Respondent and CPCB are annexed hereto and marked as **ANNEXURE-D. (COLLY)**

- iii. That further, the answering Respondent has requested HPSPCB vide emails dated 23<sup>rd</sup> December 2024 and 22<sup>nd</sup> January 2025, for connecting the said 2X CCTV cameras with HPSPCB's server, however, the request made by the answering Respondent to HPSPCB is still under process. However, the answering Respondent has connected live data feed from the ETP with HPSPCB's server. The live data can be accessed using the following link:

[https://hppcb.glensserver.com/#!/publicPortal/industryDetails/site\\_1355/STP](https://hppcb.glensserver.com/#!/publicPortal/industryDetails/site_1355/STP)

- iv. That the screen has also been affixed at the main gate of the Unit and the live footage from the said CCTV cameras is visible on the said screen. A copy of a few photographs taken from the said CCTVs as well as a

photograph of the screen installed on the main gate of the Unit are annexed hereto and marked as ANNEXURE-E [COLLY]. A copy of the email correspondence between the answering Respondent and HPSPCB with respect to connection of CCTV cameras with HPSPCB as well as proof of connection with CPCB's server is annexed hereto and marked as ANNEXURE-F[COLLY].

**C. Recommendation No. 3**

**The Unit should provide biogas flaring mechanism at biogas holding tank for safe disposal of surplus methane gas during shutdowns.**

- i. That in compliance of the said recommendation, the Unit has installed a biogas flaring mechanism for safe disposal of surplus methane gas during shutdowns. The photographs of flaring mechanism are annexed hereto and marked as ANNEXURE-G.
- ii. That it is pertinent to mention that during the period of shutdown, the methane gas generation is nil, since there is no effluent feeding into the anaerobic digesters. However, prior to the Committee's recommendation, the processed left out gas which was present during shutdown was being stored in the gas holder which has a capacity of 55 normal cubic meter (NM<sup>3</sup>). This gas was then being fed into the boiler as a combustion fuel as and when the distillery operations were resumed. However, with the present system, this left over methane gas during shutdown will not be stored but flared with the biogas flaring mechanism.

**D. Recommendation No. 4**

The Unit should prepare irrigation management plan (IMP) as per the CPCB guidelines and submit the same to HPSPCB which shall verify and incorporate the recommendations of the IMP as conditions of Consent to Operate granted to the Unit.

- i. That it is pertinent to note that the University of Horticulture and Forestry, Solan, Himachal Pradesh (“University”) has provided the IMP and the same was made available to the Unit on 23.12.2024. It is submitted that while formulating the IMP, the University has followed the standard guidelines for utilisation of treated effluent in irrigation as prescribed by the CPCB and MoEF, Government of India.
- ii. That a team of scientists from the University from the discipline of fruit science, vegetable science and irrigation engineering, visited the Unit, for obtaining first-hand information at the site. The team also studied the agro-ecological zone, water quality, soil analysis etc. The team further noted that about 10,000 litres of water is available daily for irrigation purposes and on an average, the ETP plant in the Unit is operational for about 300 days.
- iii. That on the basis of its analysis, the IMP has recommended, plantation of perennial fruits, seasoned vegetables and green lawn area for utilising the treated water for irrigation purposes. On these recommendations, the Unit has developed green lawn areas and also planted fruits, seasonal vegetables and trees for utilizing the treated water. A copy of the

Irrigation Management Plan dated 23.12.2024 is annexed hereto and marked as ANNEXURE-H.

**E. Recommendation No. 5**

**The Unit should install electromagnetic flow meter at the raw-spent wash line within the process and maintain the logbook of the same and provide its connectivity to CPCB and HPSPCB server.**

- i. That the Unit has installed an electromagnetic flow meter at the raw-spent wash line and is also maintaining a log book in relation to the same. A copy of the photograph of the electromagnetic flow meter at the raw-spent wash line along with the log book are annexed hereto and marked as ANNEXURE-I (COLLY)
- ii. That it is submitted that in compliance with the recommendations, the answering Respondent has connected the said flow meter with CPCB's server. Further, the answering Respondent has requested HPSPCB vide emails dated 23.12.2024 and 22.01.2025 [annexed as Annexure-E(Colly)], for connecting the said flow meter with HPSPCB's server, however, the request made by the answering Respondent to HPSPCB is still under process.

**F. Recommendation No. 6**

**The Unit should provide colour coding with proper demarcation of pipeline carrying spent-wash and other streams i.e. spent lees, equipment washing, floor washing, boiler blow down, process steam condensate etc.**

- i. That it is submitted that in compliance of the recommendations, the Unit has carried out a colour coding of the pipeline carrying spent-wash and other streams such as spent lees, equipment washing, floor washing, boiler washing etc. It is submitted that as per the coding carried out, blue coding is for the CIP of dual ROs, green is for the pipeline carrying RO permeate, red is for the pipeline carrying the reject of the RO process, yellow is for the pipeline carrying methane gas to the boiler etc. Therefore, it is submitted that colour coding with proper demarcation of pipelines within the unit carrying spent wash and other streams stands completed. A copy of the photographs as evidence of the colour coding are annexed hereto and marked as ANNEXURE-J[COLLY].

**G. Recommendation No. 7**

**The Unit should directly transport the process steam condensate (18-20 KLD) from the distillation process to the boiler section and not to the ETP, unless the Unit has any sound justification in this regard as the steam condensate could be misused at ETP for dilution purposes. No proper demarcation and colour coding of pipelines was found at the ETP, which maybe properly done.**

- i. That in line with the recommendation, steam condensate is being directly transported from the distillation process to the boiler section. No steam condensate is being transported to the ETP w.e.f. 28.04.2024. A photograph of the steam condensate tank is enclosed hereto and marked as ANNEXURE-K.

- ii. That in this regard, it is submitted that even in the past, the steam condensate was not being used to dilute the effluent at the ETP. Earlier also, the steam condensate was being directly lifted from the distillation section to the boiler feed. However, on account of the breakdown of the lifting pump in the last week of March 2024, the steam condensate naturally travelled towards the RO Permeate tank situated at the ETP. From here, the steam condensate was being lifted and sent to the boiler feed with the help of a pump situated at the RO Permeate tank. The pump situated at the distillation section was repaired in around 3 weeks' time and thereafter, the answering Respondent again started lifting the steam condensate from the distillation section to the boiler feed. After this incident, now standby arrangements have also been made so as to ensure no such hindrances now take place in the future.

**H. Recommendation No. 8**

**The Unit should maintain optimum level of MLSS and MLVSS at Aeration tank (Phase-1) and Membrane Bio Reactor ("MBR") Aeration Tank (Phase-2)**

- i. That the answering Respondent is maintaining the Mixed Liquor Suspended Solid ("MLSS") and Mixed Liquor Volatile Suspended Solids ("MLVSS") at Aeration tank (Phase-1) and MBR Tank (Phase-2) between 2500-3000 mg/l.
- ii. That in this regard, it is submitted that in conventional aeration (biological), the MLSS and MLVSS is to be maintained between 3000 -

3500 mg/l in order to avoid the carryover of MLSS in decanted water. It is pertinent to note that the MLSS level is maintained in accordance with the food available in the aeration chamber. It is noteworthy, that if the food available in the aeration chamber is more than the microbes which can digest it or if the food available in the aeration chamber is less for the microbes present, then, in both these cases, the microbes die, which has a direct and adverse impact on the treatment process. Hence, in biological treatment, MLSS is maintained as per the feed load for appropriate food-microbe ratio.

- iii. That it is therefore, submitted that the aerobic phase is designed for treatment of 150 KLD effluent having 3000 - 5000 mg/l of COD in full load conditions. Presently, the inlet volume of water is 40-50 KLD and COD is below 2000 mg/l. Accordingly, MLSS in aerobic biological tank ought to be maintained between 800-1200 mg/l.
- iv. That therefore, the Answering Respondent has maintained the MLSS in the range of 800-1200 mg/l. There is approximately 350 kg biomass in the aeration chamber and available food is approx. 90-100 kg, thus the Answering Respondent has maintained a suitable food to microbe ratio of 30-35%.

**I. Recommendation No. 9**

**The Unit shall install an environmental data display board at the entrance of the main gate instead of at ETP and the data be updated regularly by the Unit.**

- i. That in compliance with the recommendation, the answering Respondent has installed an environmental data display board at the entrance of the main gate. Photographs of the environmental data display board at the entrance of the main gate is annexed hereto and marked as **ANNEXURE-L**.

**J. Recommendation No. 10**

**The Unit should maintain proper logbook records of raw spent-wash generation, inlet effluent of ETP prior to treatment, quantity of coal ash generated and disposal, ETP sludge generation, fermenter sludge and its use/disposal.**

- i. That it is pertinent to note that even prior to the recommendations, the Unit was maintaining log books pertaining to the processes mentioned above. Further, it is pertinent to note that prior to October 2024, the sludge was being directly sent to M/s Shivalik Solid Waste Management Pvt. Ltd. for treatment. Further, it is submitted that M/s Shivalik Solid Waste Management Ltd. has been duly authorised to collect waste by the HPSPCB under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 of Environment (Protection) Act, 1986 vide Renewal of Authorisation Letter dated 22.11.2024. Copy of the log books are annexed hereto and marked as **ANNEXURE-M (COLLY)**. A copy of Renewal of Authorisation Letter dated 22.11.2024 in favour of M/s Shivalik Solid Waste Management Ltd. is annexed hereto and marked as **ANNEXURE-N**.

**K. Recommendation No. 11**

The Unit should dispose the sludge stored in the drying beds in a scientific manner with proper logbook record w.r.t. generation and disposal.

- i. That it is submitted that the Unit in the past was storing sludge in drying beds. It is further submitted that the Unit has an agreement with M/s Shivalik Solid Waste Management Limited for disposal of the said dried sludge. The Unit is now using screw presses and therefore, no sludge is being generated now. Photographs of the sludge stored in the drying beds, copy of the manifest form-10 issued by M/s Shivalik Solid Waste Management Limited and confirmation regarding disposal of waste issued by M/s Shivalik Solid Waste Management Limited is annexed hereto and marked as ANNEXURE-O[COLLY].

**L. Recommendation No. 12**

The Jal Shakti Vibhag should review their treatment system at water supply scheme and provide tertiary system and dis-infection system at WSS Larah in order to ensure proper treatment with disinfection of water before distributing to the Gram Panchayat and setting up of a common Sewage Treatment Plant ("STP")

- i. That it is submitted that the said recommendation does not belong to the answering Respondent and therefore doesn't warrant any response.

- ii. That however, it is most pertinent to note that even the first committee that was constituted to pursuant to this Hon'ble Tribunal's Order dated 09.01.2024, had also visited the site of JSV, WSS with the officials of JSV. This was done to check the water intake point and the treatment facilities provided by JSV for water treatment before the same is supplied to the public. Further, the Committee tracked the WSS from downstream of the Unit to the intake source and samples were collected at the WSS, nallah downstream of the Unit and the ETP outlet, for necessary analysis.
- iii. That the Report submitted by the First Committee also records that for the purposes of the WSS, the raw water is being lifted directly by the JSV from the Kasauli Khud and supplied to the local public for drinking purposes. The Report also noted that the JSV has provided a water treatment plant based on physical treatment (settling, sedimentation, gravity filtration) followed by chlorination, before supplying the same for drinking purposed. The Report also recorded that the JSV has not made any provision for any chemical or biological treatment for addressing organic contamination in the water.
- iv. That in this regard, the First Committee as well as the Second Committee has recommended installation of a sewage treatment plant ("STP") to prevent/treat untreated domestic/sewage waste into the drains leading to the WSS.

- v. That as a matter of fact, the same newspaper i.e. the Tribune which raised fingers at the Answering Respondent for polluting the nallah downstream, has now published a detailed article on 02.12.2024, noting the abysmal state of the JSV's WSS, as enumerated above. A copy of the newspaper article in the Tribune dated 02.12.2024 is annexed hereto and marked as ANNEXURE-P.
  - vi. That therefore, the reports published by the First as well as the Second Committee clearly point towards the fact that it is the original complainant i.e. the JSV which needs to install adequate and requisite mechanisms to ensure supply of safe drinking water in terms of the WSS.
4. That apart from the recommendations, the Report has made certain observations with respect to the functioning the ETP Unit. The answering Respondent seeks to respond to the said observations as under:
- A. During visit, it was observed that there was no biogas in the gas holding tank (capacity-55 m3) and during the visit no increment found in biogas meter (installed with gas holding tank which indicates that no biogas was being generated ).**
- i. That in this regard, it is submitted that the Second Committee visited the Unit on 03.07.2024. The biogas is being regularly generated since the installation of the anaerobic digester at the ETP in 1989. It is matter of chance and luck that at the time when the Second Committee visited, the bio gas was transferred from the gas holder to the boiler as combustion

fuel and therefore, there was no biogas in the holding tank. This is evident from the footage of biogas stored in gas holder of 02.07.2024 and 03.07.2024 taken from CCTV Camera installed at ETP. The same serves as cogent evidence to establish regular generation and storage of the bio gas in the holding tank.

- ii. That therefore, since biogas is being generated, the speculation that the Answering Respondent is diluting samples is incorrect and uncalled for. A copy of the footage of biogas stored in gas holder of 02.07.2024 and 03.07.2024 taken from CCTV Camera installed at ETP are attached here as ANNEXURE-Q.
- iii. That it is also pertinent to mention that in compliance with the Tribunal's Order dated 23.10.2024, members of the HPSPCB visited the Unit for a surprise inspection on 13.11.2024. However, since the plant was on a shut down, no inspection was carried out. Thereafter, on 19.12.2024, the RO and JE, HPSPCB, Parwanoo again visited the Unit for a surprise inspection. During the said visit, members of HPSPCB *inter-alia* inspected as to whether the recommendations made by the Second Committee have been adopted by the Unit or not. A surprise inspection was also carried out by HPSPCB on 06.01.2025 at the Unit, during which, phase-wise samples were collected from the ETP. Till date, the answering Respondent has not received any adverse finding from HPSPCB pursuant to the said visits.

**B. High reduction of BOD, COD in the absence of biogas generation, indicates possible dilution of effluent by the Unit (para 16).**

- i. That in this regard, it is submitted that the ETP is designed to treat 150 KL of effluent per day. During inspection, the Second Committee found the ETP to be operational. It is pertinent to note that the ETP has two anaerobic digesters and at the time of inspection, both digesters were found to be working properly.
- ii. That it is submitted that during anaerobic treatment, the micro-organisms breakdown organic matters which results in COD & BOD reduction and generation of methane gas. The Committee has observed that the parameters at the ETP outlet could not be as per the standard pollution control norms since no biogas was being generated. However, as clarified herein above, biogas was being generated, stored as well as utilised. Therefore, the assumption on the basis on which the Committee has made the recommendation i.e. that there was no biogas present is incorrect. Hence, technically, if the biogas is present (as in the present case), parameters at the ETP will automatically be as per norms.

**C. From the comparative statement between HPSPCB and CPCB samples collected from ETP during joint inspection, substantial reduction (77-79%) was seen in the COD parameter upto equalisation tank without any treatment system which indicates the possibility of dilution of effluent prior to the treatment.**

**D. During the visit, it was observed that the reduction in COD parameter upto the equalisation tank was very high (77-79%) which indicates the possibility of dilution. The BOD (94%), COD (93%) is high from Bio-digester plant despite the fact that no biogas/methane gas was found in the biogas holding tank including no methane gas generation.**

- i. That in response to Point C and D, it is submitted that the primary treatment at the ETP consists of screening, settling and treatment at the equalization chamber. The COD of Spent Wash and Spent Lees is usually high at around 54,000 and 22,000 mg/l respectively. However, the COD of floor wash water is comparatively lesser at around 2000 mg/l. Whereas the COD of boiler blowdown is lesser than 150 mg/l.
- ii. That the ETP plant is designed on total wastewater scheme on Zero Liquid Discharge ("ZLD"). Thus, based on hydraulic and mass balancing, the average parameters of COD of the combined streams in the collection tank remain around 22,000-30,000 mg/l and BOD around 10,000-14,000 mg/l etc.
- iii. That this water is then fed into the anaerobic digesters, where the micro-organisms breakdown organic matters which results in COD & BOD reduction and generation of methane gas.
- iv. That the observation of the committee i.e. substantial reduction (77-79%) in the COD parameter up to equalisation tank without any treatment system is misplaced on the premise that no biogas was

present in the gas holder. However, as stated above, biogas was present in the gas holder and the footages of the same taken from CCTV cameras is already annexed with the present reply as Annexure-Q.

5. That it is therefore, pertinent to mention that even the Second Committee Report, exonerates the answering Respondent and does not express any doubt over the functioning of the Respondent's ETP Plant.
6. That the Second Committee Report also clearly establishes the fact that the answering Respondent is not discharging any untreated effluent in the nallah adjacent to the downstream of the Unit.
7. That it is therefore most respectfully prayed that this Hon'ble Tribunal maybe pleased to close the captioned OA and exonerate the answering Respondent of all the allegations.



RESPONDENT NO.5  
(THROUGH AUTHORIZED REPRESENTATIVE)

THROUGH

VIPUL WADHWA/KASHIKA GERA  
ADVOCATES FOR THE RESPONDENT NO.5

14, CISRS HOUSE, JANGPURA-B, NEW DELHI-110014

[VIPUL@KTLAW.IN](mailto:VIPUL@KTLAW.IN) | +91-9873779113

PLACE: KASAULI

DATED: 13.02.2025

**BEFORE THE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI  
ORIGINAL APPLICATION NO. 785/2023**

**IN THE MATTER OF:**

**SUO MOTO BASED ON NEWS ITEM APPEARING IN THE TRIBUNE  
DATED 15.12.2023 TITLED "KASALI DISTILLERY DUMPS EFFLUENT  
INTO WATER SOURCE, SUPPLY AFFECTED"**

... APPLICANT

VERSUS

MOEF&CC AND ORS.

... RESPONDENTS

**AFFIDAVIT**

I, Col. G S Rathaur S/o Late Sh. Chatar Singh, aged about 82 years, office at Mohan Meakin Limited, Kasauli Distillery, Kasauli, Himachal Pradesh – 173204, Authorised Signatory of Respondent No.5 in the instant Original Application, do hereby solemnly affirm and declare as under:

1. That I am Authorised Signatory of Respondent No. 5 in the instant Original Application and as such well acquainted with the facts of the instant case. Hence, I am competent to swear this Affidavit.
2. That the accompanying Reply has been drafted by my counsels under my instructions. I have gone through the Reply and verify the contents of the same.
3. That the contents of the accompanying Reply and Annexures are true and correct to the best of my knowledge and belief and based on the official records maintained by the Respondent No. 5.



ATTESTED

*Bhawana Kumari*  
13.02.2025  
Bhawana Kumari  
Notary  
Tehsil-Kasauli,  
Distt. Solan (H.P.)

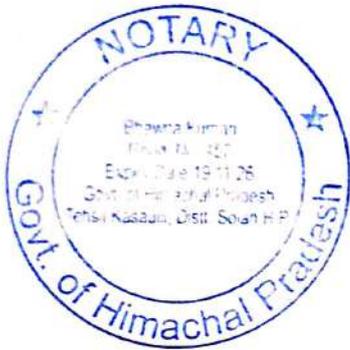
*Ratna*  
DEPONENT



VERIFICATION

I, the above-named Deponent, do hereby verify that the contents of my foregoing affidavit are true and correct to my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified and signed at Kasauli, on this the 13<sup>th</sup> day of February, 2025.



ATTESTED

*Bhawana* 13.02.2025  
Bhawana Kumari  
Notary  
Tehsil-Kasauli,  
Distt. Solan (H.P.)

*Ratna*  
DEPONENT



Certified that the contents of Affidavit  
has been read over and explained to  
Depon who seemed perfectly to  
understand & submitted to be correct

*Bhawana* 13.02.2025  
Bhawana Kumari  
Notary  
Tehsil-Kasauli,  
Distt. Solan (H.P.)

**MOHAN MEAKIN LIMITED**

Regd. Office: SOLAN BREWERY (HP)

KASAULI DISTILLERY, KASAULI (H.P) PIN-173204

CIN No. L15520HP1934PLC000135, Website: [www.mohanmeakin.com](http://www.mohanmeakin.com)TEL: 01792-272021 FAX: 01792-272099 e-mail : [kasauli@mohanmeakin.com](mailto:kasauli@mohanmeakin.com)

Ref. No.GSR /SSS/ 710 /24

18.11.2024

The Member Secretary,  
HP Ground Water Authority -Cum -Superintending Engineer  
HP I & PH, Head Office  
Shimla , Bye Pass Panjari, Tutikandi , Shimla ( H.P) 171005

Registration of Private Natural Springs for Use of Water.

Sir,

1. Reference our meeting of 1<sup>st</sup> August, 2024 with you on the subject.
2. M/s Mohan Meakin Limited, Kasauli Distillery , Kasauli is located in Village Panwa , Tehsil Kasauli District Solan (H.P) since 1855 AD. They are in the business of manufacturing alcoholic beverages. The Company owns landed property in Village Panwa , Tehsil Kasauli Distt. Solan (H.P) and owns their own two private natural springs which is recorded in the revenue records.
3. The Company is using the water from these natural springs since its inception for domestic and industrial purpose. They are also providing water to villagers in its vicinity. The cess / royalty in respect of these springs is being paid to the Govt. dutifully . The springs are natural and flow of water from them is natural without use of electrical or mechanical means.
4. We are writing to you requesting for Registration of our private natural water sources in reference to Hon'ble NGT OA No. 785 of 2023 dated 23<sup>rd</sup> Oct. 2024, in which copy of joint committee report , which was constituted by Hon,ble court is attached. Court has directed us to file compliance of objections /recommendations in the report of joint committee within 4 weeks.

Dispatcher *[Signature]*  
H.P. Ground Water Authority,  
Jal Shakti Bhawan, Shimla-5

5. Court direction has to be complied and action taken report has to be filed in Hon,ble NGT court by us within four weeks . Point No. 1 of recommendation committee is quoted as below :-

“ The Unit does not have the permission for the abstraction of water emerging from the two natural springs located within the Unit premises. The Unit should take necessary permission from the competent authority for use of natural spring water”

6. In this reference we were directed by the Hon,ble court to obtain the permission for use of water from ground water authorities with respect to natural private Springs water sources . In compliance of the order, we tried to register our water sources with Ground Water Authority online . As there is no such provision in that to register water sources online, we are now moving offline application for registration .

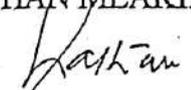
7. In light of the above direction , you are requested to get our above mentioned private springs registered as per law and advise us on the following aspects:

- a. Whether private natural springs need to be registered under Law .
- b. If so what is the procedure and fee required to be deposited.
- c. What all documents are required to be attached with the application , if any

8. In case, there is no provisions under Himachal Pradesh State government laws to register the private natural springs sources like ours, a written clarification on the same may please be given to us to enable us to present the same to the Hon'ble NGT in next four weeks..

Thanking you,

Yours faithfully,  
MOHAN MEAKIN LIMITED

  
Col G S Rathaur, Retd  
Chief Executive Officer



No.JSV-Member Secy HPGWA-cum-SE P&I-II/2024-25: 3094  
Government of Himachal Pradesh  
Jal Shakti Vibhag  
Dated the Shimla-5 21.11.2024

To

M/s Mohan Meakin Limited,  
Kasauli Distillery, Kasauli, Solan (HP)-173204

**Subject:-** Registration of private natural Springs for use of water

Please refer to your letter Ref. No.GSR /SSS/ 710 /24 dated 18.11.2024 vide which it is requested for registration of private natural springs for use of water.

The Himachal Pradesh Ground Water Authority deals with the grant of permit for sinking of borewells/tubewells/energized handpumps and registration of existing borewells/tubewells/energized handpumps under Himachal Pradesh Ground Water (Regulation and Control of Development and Management) Amendment Act, 2022. As per Section 2 (p) of HP Ground Water Amendment Act, 2022, "well" means a structure sunk for the search or extraction of groundwater by any person, except by the authorized officials of the State of Central government, for carrying out scientific investigations, exploration, development, augmentation, conservation, protection or management of groundwater and shall include open well, dug well, bore well, dug-cum-bore well, tubewell, filter point, collector well, infiltration gallery, recharge well, disposal well, or any of their combinations or variations, except any manually operated device for extraction of ground water.

Therefore, in view of above, natural spring is not required to be registered with HP Ground Water Authority.

  
Member Secretary HPGWA-cum-  
Superintending Engineer (P&I-II),  
Jal Shakti Vibhag,  
Jal Shakti Bhawan, Shimla-5

o/c 413

ANNEXURE - C



## MOHAN MEAKIN LIMITED

Regd. Office: SOLAN BREWERY (HP)

KASAULI DISTILLERY, KASAULI (H.P) PIN-173204

CIN No. L15520HP1934PLC000135, Website: [www.mohanmeakin.com](http://www.mohanmeakin.com)

TEL: 01792-272021 FAX: 01792-272099 e-mail: [kasauli@mohanmeakin.com](mailto:kasauli@mohanmeakin.com)

Ref. No. GSR/GS/416 /24(1)

Dated: 12.08.2024

← The Member Secretary HPGWA – cum –  
Superintending Engineer, P&I-II Unit  
Jal Shakti Bhawan, Shimla – 5

### Royalty against usage of ground water

Sir,

1. References: -

(i) Our letter no. GSR/GS/347/24(1) dated 27.07.2024.

(ii) Your letter no. JSDS-CB-WA-II-GW/2024/4365 dated 08.08.2024

2. We wish to submit that Mohan Meakin Limited, Kasauli Distillery is located at Village Panwa, Tehsil Kasauli, District Solan, since the year 1855 AD. They are in the business of manufacturing alcoholic spirits and they use ground water as defined in section 2(g) of The Himachal Pradesh Ground Water (Regulation And Control of Development And Management) Act 2005 for brewing and distillation purposes. The water is generated from the registered borewell and private springs located within their own private land which is recorded in revenue records.

3. The Kasauli Distillery had been paying Water Cess to the HPSPCB for consumption of water from these sources for industrial and domestic uses. The payment of Water Cess was discontinued w.e.f 1<sup>st</sup> July 2017 on introducing of GST. Thereafter, we are paying royalty for extraction of ground water through registered borewell to your office.

Dispatcher *[Signature]*  
H.P. Ground Water Authority,  
Jal Shakti Bhawan, Shimla-5

4. Whereas we are paying royalty in respect of use of ground water for industrial purposes from the borewell religiously, we could not pay royalty in respect of consumption of ground water from springs located within our private land and recorded in our revenue record w.e.f 2017 due to ignorance of rules and absence of direction from your office.

5. We had deposited royalty vide our letter no. GSR/GS/347/24(1) dated 27.07.2024 against consumption of ground water from our natural spring sources w.e.f financial year 2017-18. The same has been returned by them with remark that the demand draft be resend in favour of The Member Secretary HPGWA – cum – Superintending Engineer, P&I-II Unit Jal Shakti Vibhag, Shimla-5

6. We are therefore remitting now an amount of Rs 24611 /- through demand draft no. 455084 dated 12.08.2024 in favour of The Member Secretary HPGWA – cum – Superintending Engineer, P&I-II Unit Jal Shakti Vibhag, Shimla – 5 payable at Shimla towards pending due of royalty including compounding interest in respect of consumption of ground water from our spring sources w.e.f financial year 2017-2018. The copies of log book are being attached for your kind perusal. The details of the same are given as under: -

Sr. No.	Financial Year	Water Consumed (KL)	Royalty (Rs)	Compounding Amount (Rs)	Total Amount (Rs)
1	2017-2018	20906	2091	2775	4866
2	2018-2019	23476	2348	2459	4807
3	2019-2020	21692	2170	1852	4022
4	2020-2021	23029	2305	1597	3902
5	2021-2022	27812	2782	1430	4212
6	2022-2023	20749	2073	729	2802
					<b>24611</b>

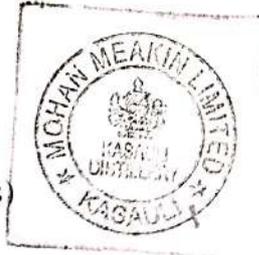
7. The royalty on account of consumption of ground water (10659 KL) from borewell and our own private springs for the financial year 2023-2024 amounting to Rs 1066 has already been remitted by us vide PNB Demand Draft No. 455078 dated 06.06.2024 in favour of The Executive Engineer, JSV Division, Solan payable at Solan.

Thanking you.

Yours Faithfully

FOR MOHAN MEAKIN LIMITED

Brig. Rajeev Thakur, Retd  
Deputy General Manager (Operations)



Copy to:

1. The Executive Engineer : For kind information please.  
JSV Division, District Solan  
Solan, Himachal Pradesh
2. The Assistant Executive Engineer : For kind information please.  
JSV Sub Division, Dharampur  
District Solan (HIP)

पंजाब नैशनल बैंक  
Punjab National Bank

जुब्बार (सोलन) हिमाचल प्रदेश (022310)  
JUBBAR (Solan) Himachal Pradesh-173225

केवल तीन माह के लिए वैध  
VALID FOR THREE MONTHS ONLY

1	2	3	4	5	6	7	8	9
D	D	M	M	Y	Y	Y	Y	Y

ON DEMAND PAY MEMBER SECRETARY MOGTA-GUN SUPERINTENDING ENGINEER P AND 17 UNIT JAL SHAKTI, JUBBAR, SOLAN या उनके आदेश पर OR ORDER

RS \*\* Twenty Four Thousand Six Hundred Eleven only\*\*

प्राप्त मूल्य के बदले अदा करें  
FOR VALUE RECEIVED

₹

455084

455084

शाखा संख्या Branch Serial No.

पंजाब नैशनल बैंक  
punjab national bank

अदाकर्ता शाखा का पिन कोड Drawee Branch with D.No.

D. No. 0427 - PINACOLE -

POO SHIWGA PINACOLE

Purchaser: MOHAN MEARIN LTD

Draft is signed singly as it is for amount Rs. 50,000/-

(NOT OVER Rs. 24000/-)

प्राधिकृत हस्ताक्षरकर्ता  
AUTHORISED SIGNATORY WITH GBPA No.

प्राधिकृत हस्ताक्षरकर्ता जी पी ए स  
AUTHORISED SIGNATORY WITH GBPA No.

*(Handwritten Signature)*

16  
Jan - 1983  
सोलन - 173

⑈455084⑈ 000024000⑈

- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1



## MOHAN MEAKIN LIMITED

PHONE 01792-272021

TELEFAX 01792-272099

Regd. Office : Solan Brewery (HP)

CIN No. L15520HP1934PLC000135

E-mail: Kasauli@mohanmeakin.com

Website : www.mohanmeakin.com

KASAULI DISTILLERY

KASAULI (HP) 173204

Ref. No. GSR/GS/ 174/24

Dated: 31.05.2024

The Executive Engineer  
Jal Shakti Vibhag, Solan Division  
District Solan (HP)

### Royalty against usage of water

Dear Sir,

It is submitted for your kind information that we have consumed 10659 KL of total water extracted from our tube well and private spring sources located on Mohan Meakin Private Land during period of April 2023 to March 2024. The details are attached in annexure - I.

Accordingly, we are hereby depositing an amount of Rs 1066 @ Rs 1 per 10,000 Liter through PNB Jubbar Demand Draft No. 455078 dated 06/06/2024 in favour of Executive Engineer, JSV Division, Solan payable at Solan towards interim payment on account of royalty against usage of water.

Discrepancy if any will be settled by us on demand from you.

Thanking you.

Yours Faithfully  
FOR MOHAN MEAKIN LIMITED

  
Col G S Rathaur, Retd  
Chief Executive Office



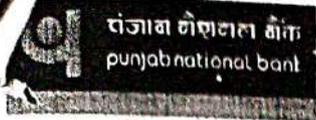
Copy to:

The Member Secretary  
Himachal Pradesh Ground Water Authority Cum-  
Superintending Engineer (Planning and Investigating Unit II)  
I&PH Department, Jal Bhavan, Kasumpti Shimla 0

For kind information  
please.

**Detail of Water Consumed from Tube Well & Private Springs during FY - 2023-2024**

<b>Month</b>	<b>Tube Well</b>	<b>Private Springs</b>	<b>Total Quantity</b>
April 2023	64	1011	1075
May 2023	340	701	1041
June 2023	469	735	1204
July 2023	125	163	288
August 2023	12	329	341
September 2023	218	440	658
October 2023	164	1083	1247
November 2023	225	1353	1578
December 2023	375	1010	1385
January 2024	11	535	546
February 2024	381	236	617
March 2024	614	65	679
Total	2998	7661	10659



जुबार (सोलन) हिमाचल प्रदेश (022310)  
JUBBAR (Solon) Himachal Pradesh-173225

VALID FOR THREE MONTHS ONLY  
D D M M Y Y Y Y

मांगे जाने पर ON DEMAND PAY EXECUTIVE ENGINEER JSV DIVISION SOLAN

या उनके आदेश पर OR ORDER

रुपये RUPEES \*\* One Thousand Sixty Six only\*\*

प्राप्त मूल्य के बदले अदा करें ₹  
FOR VALUE RECEIVED

\*\*\*1,066.00\*\*

XAC 455078

शाला क्रमांक Branch Serial No.

पंजाब नेशनल बैंक  
punjab national bank

अदाकर्ता शाखा एव निःसः Drawee Branch with D.No.

D.No. 0433 - FINACLE -  
SOLAN, DISTT. SOLAN (HP) FINACLE

Purchaser: MOHAN MEAKIN LTD  
Draft is signed singly as it is for amount upto Rs. 50,000/-  
(NOT OVER RS. 10000/-)

पाठिकृत बरतनकर्ता जी वी पी एस  
AUTHORISED SIGNATORY WITH GBPA No.

पाठिकृत बरतनकर्ता जी वी पी एस  
AUTHORISED SIGNATORY WITH GBPA No.

⑈455078⑈ 000024000⑈

16

9  
8  
7  
6  
5  
4  
3  
2  
1



PHONE 01792-272021

**MOHAN MEAKIN LIMITED**KASALI DISTILLERY  
KASALI (HP) 173204

TELEFAX 01792-272099

Regd. Office : Solan Brewery (HP)  
CIN No. L15520HP1934PLC000135  
E-mail: Kasali@mohanmeakin.com  
Website : www.mohanmeakin.com

Ref. No. GSR/GS/138 /34

Dated: 28.05.2019

The Member Secretary  
Himachal Pradesh Ground Water Authority Cum-  
Superintending Engineer (Planning and Investigating Unit II)  
I&PH Department, Jal Bhavan, Kasumpti, Shimla -9

Sir

Further to our letter no. GSR/SSS/52/24(1) dated 24.04.2019.

It is intimated that we have consumed 20075 KL of Ground Water during period from September 2014 to March 2019. Accordingly we are hereby submitting a SBI Kasauli Demand Draft No. 743980 dated 27.05.2019 towards interim payment on account of royalty against extraction of ground water. Discrepancy if any will be settled by us on demand from you.

Thanking you.

Yours Faithfully  
FOR MOHAN MEAKIN LIMITED

*G S Rathaur*  
Col G S Rathaur, Retd  
Chief Executive Officer

*dc*

*Received*

Despatcher, ---  
Himachal Pradesh Ground Water Authority  
I&PH Department, Jal Bhavan, Shimla

**Groundwater Consumed**

Month	Volume (KL)	Month	Volume (KL)
September 2014	560	January 2018	511
October 2014	592	February 2018	468
November 2014	558	March 2018	479
December 2014	88	April 2018	548
January 2015	--	May 2018	601
February 2015	675	June 2018	113
March 2015	614	July 2018	98
April 2015	635	August 2018	536
May 2015	588	September 2018	446
June 2015	--	October 2018	502
July 2015	--	November 2018	488
August 2015	--	December 2018	333
September 2015	592	January 2019	345
October 2015	581	February 2019	432
November 2015	601	March 2019	496
December 2015	801		
January 2016	290		
February 2016	539		
March 2016	641		
April 2016	521		
May 2016	218		
June 2016	--		
July 2016	--		
August 2016	406		
September 2016	531		
October 2016	587		
November 2016	387		
December 2016	98		
January 2017	509		
February 2017	486		
March 2017	97		
April 2017	668		
May 2017	--		
June 2017	--		
July 2017	356		
August 2017	496		
September 2017	453		
October 2017	122		
November 2017	--		
December 2017	110		

भारतीय स्टेट बैंक State Bank of India	शाखा / Branch	जमा पत्ती / PAY-IN-SLIP	शाखा में है / Branch	दिनांक / Date
	Kasauli	422	Kasauli	27/8/15
ड्राफ्ट/नेफ्ट/आर टी जी एस/बैंकर चेक / For Draft/NEFT/RTGS/Banker Cheque				
देय स्थान / Payable At <u>Slimla - 9</u>				
के पक्ष में / Favouring <u>Member Secretary, Himachal Pradesh, Ground Water Authority - cum - Superintending Engineer.</u>				
लाभार्थी का खाता संख्या / Beneficiary A/c No. <u>55091243799</u>				
For <u>2,008/-</u> Rupees <u>Two Thousand Eight only -</u>				
		₹	₹/P	
राशि / Amount		2008 -		
विनिमय / Exchange		25 -		
कुल राशि / Total Amount		2033 -		
नाम / Name	जमाकर्ता के हस्ताक्षर / Signature of Depositor			
पता / Address	Kasauli		Rakhaa	
ड्राफ्ट/बैंकर चेक प्राप्त किया / Receiver Draft/B.Ch.	निवेदक के हस्ताक्षर / Applicant's Signature			
ड्राफ्ट क्रमांक नं / Draft Serial No.	दूरभाष / Tel./ मो. / Mobile No.		94181-26748	

by telebank

999 -

2033 -

33 -

Authorised Signature

र.ब.ई./SBI.1650 सी.नं./C.No. 060209 2

भारतीय स्टेट बैंक  
State Bank Of India

(50122)-KASULI  
KASULI  
TEHSIL-KASULI, DISTT-SOLAN, HP 173204  
Tel : 1792 272038 Fax : IFS Code : SBIN0050122 SWIFT :

A/c Payee

27052019  
D D M M Y Y Y Y

को या उनके आदेश पर OR ORDER

PAY YOUR SELF

रुपये RUPEES Two Thousand Thirty Three Only

अदा करें ₹ \*\*2,033.00

55091243799

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH

CURRENT A/C  
PREFIX :  
5078000001

*Devinder Singh*

*Rakhaa*  
MOHAN MEAKIN LTD

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Authorised Signatory

⑈803570⑈ 173002036⑆ 000305⑈ 29

25513 / 100 / BLUE ORDER / 07/May/2019  
SESHWASAN (D) / CTS-2010

**MOHAN MEAKIN LIMITED**

Regd. Office : Solan Brewery (HP)

CIN No. L15520HP1934PLC000135

E-mail: Kasauli@mohanmeakin.com

Website : www.mohanmeakin.com

KASAULI DISTILLERY

KASAULI (HP) 173204

PHONE 01792-272021

TELEFAX 01792-272099

Ref. No. GSR/GS/22 9 /34

Dated: 14.07.2020

The Member Secretary  
Himachal Pradesh Ground Water Authority Cum-  
Superintending Engineer (Planning and Investigating Unit II)  
I&PH Department, Jal Bhavan, Kasumpti, Shimla -9

Sir

It is submitted for your kind information that we have consumed 3922 KL of Ground Water extracted from tube well during period of April 2019 to March 2020. Accordingly, we are hereby submitting an amount of Rs 393 /= through SBI Kasauli Demand Draft No. 221738 dated 15/07/2020 towards interim payment on account of royalty against extraction of ground water. Discrepancy if any will be settled by us on demand from you.

Thanking you.

Yours Faithfully

FOR MOHAN MEAKIN LIMITED

*G S Rathaur*  
Col G S Rathaur, Retd  
Chief Executive Officer

Ground Water Consumed

Sr. No.	Month	Volume
1	April 2019	
2	May 2019	264 KL
3	June 2019	236 KL
4	July 2019	303 KL
5	August 2019	414 KL
6	September 2019	562 KL
7	October 2019	388 KL
8	November 2019	540 KL
9	December 2019	105 KL
10	January 2020	482 KL
11	February 2020	71 KL
12	March 2020	205 KL
	<b>Total</b>	<b>3922 KL</b>

Pay Your Self

को या उनके आदेश पर OR ORDER

रुपये RUPEES Four Hundred Eighteen Only

अदा करें

₹

\*\*418.00

खा. सं. 55091243799  
A/c No.

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

99734219055

CURRENT A/C

PREFIX :  
5078000002

*Sankar Mohan Meakin Ltd*  
MOHAN MEAKIN LTD  
Please sign above

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Authorised Signatory

⑈015526⑈ 173002036⑈ 000305⑈ 29

Date 15/2/20  
शाखा Branch  
Ground water  
418  
Authorised Signature

भारतीय स्टेट बैंक State Bank of India	शाखा Branch Kasauli	मेरा खाता My Account is with	जमा पर्वी / PAY-IN- SLIP	शाखा में हे Branch	दिनांक Date 15/2/20
ड्राफ्ट/नेफ्ट/आर टी जी एस/बैंकर चेक/ For Draft / NEFT / RTGS / Banker Cheque					
दिये स्थान / Payable At Shimla					
के पक्ष में / Favouring The Member Secretary, H.P. Ground water Authority - cum - Superintending Engineer					
लाभार्थी का खाता संख्या / Beneficiary A/c No.					
For 393/- Rupees Three Hundred x Ninety Three 00/100					
				₹	₹/P.
Ch. No. 015526				राशि / Amount	393
24/14/07/20				विनियम // Exchange	25
				कुल राशि / Total Amount	418
नाम / Name Col. Lal Bahadur C.K.O			जमाकर्ता के हस्ताक्षर / Signature of Depositor		
पता / Address Mohan Meakin Ltd Kasauli			निवेदक के हस्ताक्षर / Applicant's Signature Sankar		
ड्राफ्ट/बैंकर चेक प्राप्त किया / Received Draft/B.Ch.			दूरभाष / Tel./ मो / Mobile No 94181-26748		
ड्राफ्ट क्रमांक नं / Draft Serial No.					

र.व.ई./S.B.I.1850

सी.न./C.No. 060200.2



PHONE 01792-272021

TELEFAX 01792-272099

**MOHAN MEAKIN LIMITED**

Regd. Office : Solan Brewery (HP)

CIN No. L15520HP1934PLC000135

E-mail: Kasauli@mohanmeakin.com

Website : www.mohanmeakin.com

KASAU LI DISTILLERY

KASAU LI (HP) 173204

Ref. No. GSR/GS/13/24

Dated: 05.06.2021

The Member Secretary  
Himachal Pradesh Ground Water Authority Cum-  
Superintending Engineer (Planning and Investigating Unit II)  
I&PH Department, Jal Bhavan, Kasumpti, Shimla -9

Sir

It is submitted for your kind information that we have consumed 3545 KL of Ground Water extracted from tube well during period of April 2020 to March 2021. Accordingly, we are hereby depositing an amount of Rs 355 /= through PNB Jubbar Demand Draft No. 455051 dated 23/06/2021 towards interim payment on account of royalty against extraction of ground water. Discrepancy if any will be settled by us on demand from you.

Thanking you.

Yours Faithfully  
FOR MOHAN MEAKIN LIMITED

  
Col G S Rathaur, Retd  
Chief Executive Officer



Ground Water Consumed

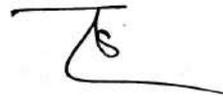
Sr. No.	Month	Volume
1	April 2020	150 KL
2	May 2020	394 KL
3	June 2020	433 KL
4	July 2020	332 KL
5	August 2020	371 KL
6	September 2020	408 KL
7	October 2020	394 KL
8	November 2020	308 KL
9	December 2020	--
10	January 2021	--
11	February 2021	329 KL
12	March 2021	426 KL
<b>Total</b>		<b>3545 KL</b>

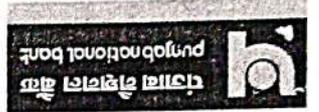
Royalty Calculation:

$$= 3545 \text{ KL} = ((3545 \times 1000) / 10000) \times \text{Rs } 1 = \text{Rs } 354.50 /-$$

Royalty charges is Rs 1 on every 10,000 L of water extraction.

C.A. no. 417743 dt 19/06/2021





पंजाब नेशनल बैंक  
Punjab National Bank  
Application Form

आवेदन फार्म  
APPLICATION FORM  
आरटीजीएस  
RTGS  
एनईफ्ट  
NEFT  
ड्राफ्ट  
DRAFT

दिनांक  
Date  
/ / 20

PAY Your Self  
₹ 355.00  
Three Hundred Fifty Five Only

आकांक्षित अंक  
A/C No. 02223108700000012  
आकांक्षित अंक  
A/C No. 02223108700000012

Authorised Signatory

WKA  
[Signature]

for Mohan Meakin Ltd. Kasauli

पुनर (सीबी) निमास प्रदेश (022310)  
JUBBAR (Solam) Himachal Pradesh-173225. A/C Payee  
RTGS/NEFT IFS Code : PUNB0022310

19062021  
D M M Y Y Y

कृपया नीचे बताये अनुसार

₹ 355 (कृपया) पर कृपया

The Member Secretary का ड्राफ्ट जारी करें/आरटीजीएस/एनईफ्ट द्वारा अंतरित करें पीछे दी गई शर्तों एवं निबंधों के अनुसार  
Please issue draft on H.P Ground Water Authority, Kasauli, Himachal Pradesh - 173225. / transfer through RTGS/NEFT for ₹ 355/-  
[Rupees (in words) Three hundred and fifty five Rupees only.]

आरटीजीएस/एनईफ्ट के लिए आकांक्षित अंक/आकांक्षित अंक Account No. for RTGS / NEFT / Name of Beneficiary	लक्ष्यकारी बैंक का नाम/शाखा का नाम/शाखा का नाम/आकांक्षित अंक/आकांक्षित अंक Beneficiary Bank & Branch Name	आरटीजीएस/एनईफ्ट का अंक/आकांक्षित अंक/आकांक्षित अंक IFSC No./Branch Serial No.	राशि Amount	कमीशन Comm.	जोड़ Total
₹ 355	H.P Ground Water Authority, Kasauli, Himachal Pradesh		₹ 355		₹ 355

कृपया रुपये की कुल राशि में बचत निधि/चाहू खाते/ओडी/सीसी खाता सं.  
के नामे ड्राफ्ट दें अथवा नकद (पुस्त भाग पर दिये गये ब्यौरे के अनुसार) प्रस्तुत है।  
के नाम आहरित बैंक/पुस्त भाग आदेश संख्या संलग्न है। (जो लागू न हो उसे काट दें।)  
Please debit the total amount ₹ 355/- to my S/F/C/A/OD/CC Account No. 42231087000000012  
or I tender ₹ 355/- by cash (details overleaf) / enclose cheques/pay order No. 417743 or 19/06/21  
drawn on (delete which ever is not applicable).

केवल कार्यालय के प्रयोग के लिए/ For official use only  
आवेदक के हस्ताक्षर/ Applicant's Sign. [Signature]  
आवेदक का नाम/ Applicant's Name  
पता/ Address Mohan Meakin Ltd Kasauli  
मो.न./Mobile No. 94181-26748  
अनुरोध समय/ Time of Request  
प्राधिकृत अधिकारी/ Auth. Officer

PLEASE SIGN

NOT VALID FOR THREE MONTHS ONLY



PHONE 01792-272021

TELEFAX 01792-272099

**MOHAN MEAKIN LIMITED**

Regd. Office : Solan Brewery (HP)

CIN No. L15520HP1934PLC000135

E-mail: Kasauli@mohanmeakin.com

Website : www.mohanmeakin.com

KASALI DISTILLERY

KASALI (HP) 173204

Ref. No. GSR/GS/346/34

Dated: 24.07.2023

The Member Secretary  
Himachal Pradesh Ground Water Authority Cum-  
Superintending Engineer (Planning and Investigating Unit II)  
I&PH Department, Jal Bhavan, Kasumpti, Shimla -9

Royalty against extraction of ground water

Sir

It is submitted for your kind information that we have consumed 1286 KL of Ground Water extracted from tube well during period of April 2022 to March 2023. Accordingly, we are hereby depositing an amount of Rs 129/- through PNB Jubbar Demand Draft No. 455170 dated 01/08/23 in favour of Executive Engineer, JSV Division, Solan payable at Solan towards interim payment on account of royalty against extraction of ground water. Discrepancy if any will be settled by us on demand from you.

Thanking you.

Yours Faithfully  
FOR MOHAN MEAKIN LIMITED

*Rathaur*  
Col G S Rathaur, Retd  
Chief Executive Officer

Ground Water Consumed (Tube Well)

Sr. No.	Month	Volume (KL)
1	April 2022	10
2	May 2022	32
3	June 2022	68
4	July 2022	27
5	August 2022	60
6	September 2022	45
7	October 2022	260
8	November 2022	259
9	December 2022	447
10	January 2023	71
11	16 February 2023	7
12	March 2023	--
<b>Total</b>		<b>1286</b>

पंजाब नेशनल बैंक  
punjab national bank

जुबार (सोलन) डिमांड प्रवेरा (022310)  
JUBBAR (Solon) Himachal Pradesh-173223

431

केवल तीन माह के लिए वैध  
VALID FOR THREE MONTHS ONLY

43

DDMMYYYY

ON DEMAND PAY EXECUTIVE ENGINEER JSV DIVISION SOLAN

या उनके आदेश पर OR ORDER

9  
8  
7  
6  
5  
4  
3  
2  
1

Rs. One Hundred Twenty Nine only

प्राप्त मूल्य के बदले अदा करें  
FOR VALUE RECEIVED ₹ 129,000/-

AC 455170

शाखा क्रमांक Branch Serial No.

पंजाब नेशनल बैंक  
punjab national bank

Purchaser: MOHAN MEAKIN LTD

Draft is signed singly as it is for amount upto Rs. 50,000/-  
(NOT OVER Rs. 129/-)

अदाकर्ता शाखा एवं वि.सं. Drawee Branch with D.No.

D.No. 0433 - FINACLE -  
SOLAN, DISTT. SOLAN (HP) FINACLE

प्राधिकृत हस्ताक्षरकर्ता जी.पी.ए.सं.  
AUTHORISED SIGNATORY WITH GBPA No.

प्राधिकृत हस्ताक्षरकर्ता जी.पी.ए.सं.  
AUTHORISED SIGNATORY WITH GBPA No.

455170 0000240001

16

Royalty for FY - 22-23  
Mohan Meakin Limited  
Kasauli Distillery  
Kasauli - 173204 (HP)

**432**  
**ANNEXURE - D (COLLY)**

Vipul Wadhwa &lt;vipul@ktlaw.in&gt;

**Fw: Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP)**

1 message

**kasauli@mohanmeakin.com** <kasauli@mohanmeakin.com>  
To: vipul <vipul@ktlaw.in>

Thu, Feb 13, 2025 at 2:33 PM

From: Ms. Neha <rtdmsapproval2.cpcb@gov.in>  
Sent: Fri, 27 Dec 2024 15:35:59 GMT+0530  
To: "kasauli" <kasauli@mohanmeakin.com>  
Cc: "CEMS TEAM" <cems.cpcb@nic.in>, "RTDMS Connectivity" <rtdmsapproval1.cpcb@gov.in>, "service" <service@errandenterprises.com>, "manas" <manas@errandenterprises.com>, "nitish" <nitish@errandenterprises.com>, "ravindra" <ravindra@errandenterprises.com>, "mukesh" <mukesh@errandenterprises.com>  
Subject: Re: Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP)

Sir/Madam,

PFA provisional connectivity sheet of **M/s Mohan Meakin Limited, Kasauli Distillery, Kasauli**. The connectivity is provisional subjected to future review of discharge limits, measurement principles used in the device and/or device capability, by any CPCB Division, and any corrective action including direction for replacement of these devices if found unsuitable.

Regards,  
CPCBRegards,  
CPCB

--- On Mon, 23 Dec 2024 12:17:24 +0530 &lt;kasauli@mohanmeakin.com&gt; wrote ---

**Subject: Online Connectivity ( M/s Mohan Meakin Limited, Kasauli Distillery, Kasauli ) request for adding attached station to CPCB Portal Industry Code 05HP039**

**Dear Sir/Madam**

***Please find attached documents herewith the email for Online Connectivity Approval request as per new format of CPCB for electromagnetic flow meters and PTZ Cameras of M/s Mohan Meakin Limited, Kasauli Distillery, Kasauli with necessary required documents at CPCB portal.***

***You are therefore requested to kindly grant approval for Online Connectivity on Central Portal.***

***We look forward to your prompt action on the same at the earliest***

**Regards**  
**COL G S RATHAUR, RETD**  
**Chief Executive Officer**  
**Mohan Meakin Limited**  
**Kasauli (H.P)**

**PIN 173204**  
**FAX 01792-272099**  
**Phone 01792-272021**

**433**

**Regards**

From: <kasauli@mohanmeakin.com>  
Sent: Thu, 19 Dec 2024 16:07:36 GMT+0530  
To: "CEMS TEAM " <cems.cpcb@nic.in>, "rtdmsapproval1cpcb " <rtdmsapproval1.cpcb@gov.in>, "rtdmsapproval2cpcb " <rtdmsapproval2.cpcb@gov.in>  
Cc: "service " <service@errandenterprises.com>, "manas " <manas@errandenterprises.com>, "nitish " <nitish@errandenterprises.com>, "Ravindra Shukla " <ravindra@errandenterprises.com>  
Subject: Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP)

**Dear Sir/Madam**

***Please find attached documents herewith the email for Online Connectivity Approval request as per new format of CPCB for electromagnetic flow meters and PTZ Cameras of M/s Mohan Meakin Limited, Kasauli Distillery, Kasauli with necessary required documents at CPCB portal.***

***You are therefore requested to kindly grant approval for Online Connectivity on Central Portal.***

***We look forward to your prompt action on the same at the earliest***

**Regards**

**COL G S RATHAUR, RETD**  
**Chief Executive Officer**  
**Mohan Meakin Limited**  
**Kasauli (H.P)**  
**PIN 173204**  
**FAX 01792-272099**  
**Phone 01792-272021**

From: CEMS TEAM <cems.cpcb@nic.in>  
Sent: Wed, 4 Dec 2024 16:54:56 GMT+0530  
To: "kasauli" <kasauli@mohanmeakin.com>  
Cc: "B Vinod Babu" <itdiv.cpcb@nic.in>, "Archit Uprit" <archituprit.cpcb@nic.in>, "Anurag Sharma" <anurag.cpcb@gov.in>, "RTDMS Connectivity" <rtdmsapproval1.cpcb@gov.in>, "Ms. Neha" <rtdmsapproval2.cpcb@gov.in>, "nitish@errandenterprises.com" <nitish@errandenterprises.com>, "Ravindra Shukla" <ravindra@errandenterprises.com>  
Subject: Re: Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP)

Sir/Ma'am,

In reference to your trail mail, as requested Edit permission is given, kindly check and update details.

Regards  
Central Pollution Control Board, Delhi

**434**

---

---- On Wed, 04 Dec 2024 14:36:38 +0530 <[kasauli@mohanmeakin.com](mailto:kasauli@mohanmeakin.com)> wrote ---

*Dear Sir,*

*We have installed CCTV Cameras with PTZ facility covering final outlet point of ETP (i.e. RO Permeate Tank facing Methane Gas Holder Tank) & drain downstream of ETP and electromagnetic flow meters at the raw spent wash pipeline within the process in our unit.*

*Further we require to update the details of the above mentioned devices in our existing RTDMS.*

*You are therefore requested to kindly grant permission for editing the existing RTDMS and to add the instrument details. We are hereby attached CTO (Air and Water) with this email for your reference.*

*Thanks and Regards*

**COL G S RATHAUR, RETD**  
**Chief Executive Officer**  
**Mohan Meakin Limited**  
**Kasauli (H.P)**  
**PIN 173204**  
**FAX 01792-272099**  
**Phone 01792-272021**

**Disclaimer:**

This communication and any attachment is only meant for the intended recipient and contains privileged and confidential information. If you are not the intended recipient, you are hereby notified that any use, distribution or copying of this material is prohibited. If you have received this communication in error, kindly destroy it and notify us immediately. E-mails are vulnerable to data corruption, interceptions, tampering, viruses as well as delivery errors and we do not accept liability for any consequence that may arise there from. From time to time, our spam scanners eliminates legitimate email from clients.

**Disclaimer:**

This communication and any attachment is only meant for the intended recipient and contains privileged and confidential information. If you are not the intended recipient, you are hereby notified that any use, distribution or copying of this material is prohibited. If you have received this communication in error, kindly destroy it and notify us immediately. E-mails are vulnerable to data corruption, interceptions, tampering, viruses as well as delivery errors and we do not accept liability for any consequence that may arise there from. From time to time, our spam scanners eliminates legitimate email from clients.

**Disclaimer:**

435

This communication and any attachment is only meant for the intended recipient and contains privileged and confidential information. If you are not the intended recipient, you are hereby notified that any use, distribution or copying of this material is prohibited. If you have received this communication in error, kindly destroy it and notify us immediately. E-mails are vulnerable to data corruption, interceptions, tampering, viruses as well as delivery errors and we do not accept liability for any consequence that may arise there from. From time to time, our spam scanners eliminates legitimate email from clients.

**Disclaimer:**

This communication and any attachment is only meant for the intended recipient and contains privileged and confidential information. If you are not the intended recipient, you are hereby notified that any use, distribution or copying of this material is prohibited. If you have received this communication in error, kindly destroy it and notify us immediately. E-mails are vulnerable to data corruption, interceptions, tampering, viruses as well as delivery errors and we do not accept liability for any consequence that may arise there from. From time to time, our spam scanners eliminates legitimate email from clients.



**OCEMS\_Connectivity\_Sheet\_Mohan\_Meakin\_Kasauli.xlsx**

161K

## Part A : Industrial Unit Details

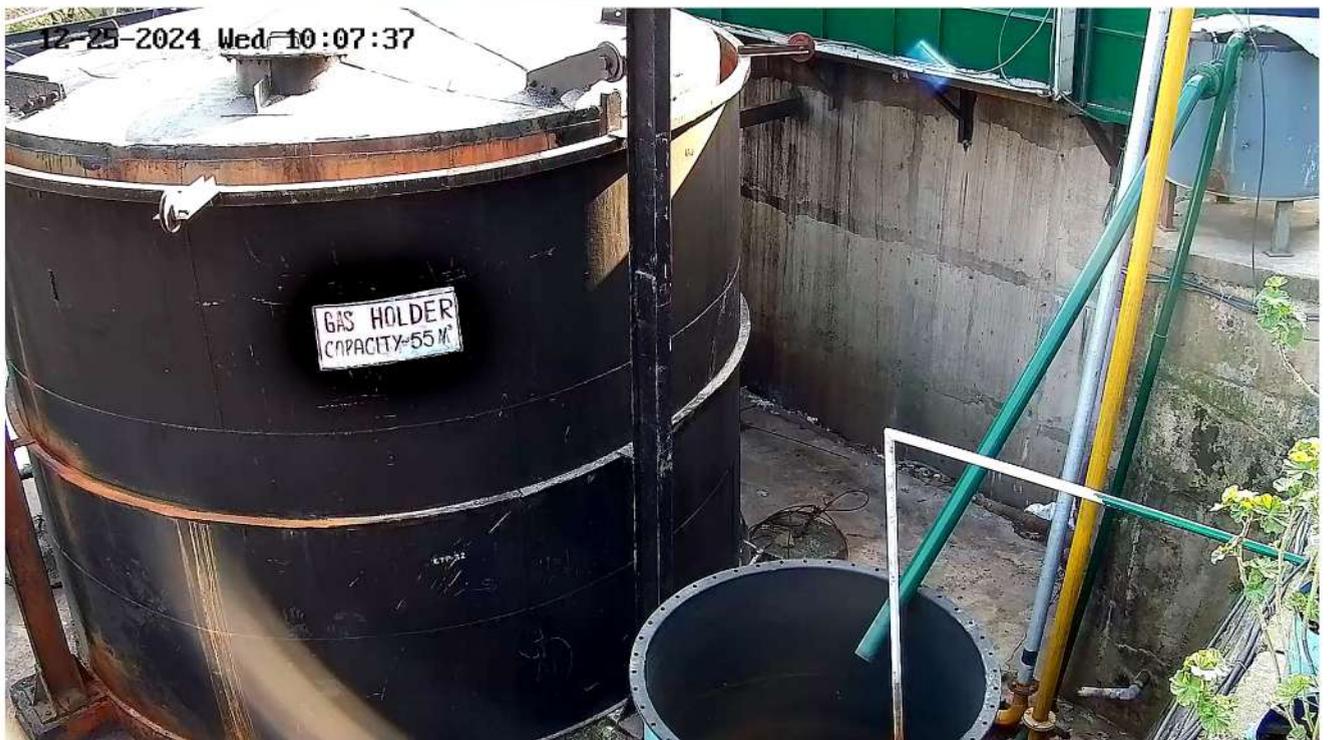
Part A : Industrial Unit Details			
	CPCB	Provisional Connectivity [ Subjected to Future review of measurement principles used in the device and/or device capability, by any CPCB Division, and any corrective action including direction for replacement of these devices if found unsuitable.]	
General Details of Unit	Type Of Request [New Unit Connectivity/Station or Parameter Addition to Existing Unit/Limit Updation/Migration to another TPDS] *For Parameter Removal/Unit Removal, kindly contact relevant IPC Division as per SOP available on CPCB Website ( <a href="https://cpcb.nic.in/online-monitoring-of-industrial-emission/">https://cpcb.nic.in/online-monitoring-of-industrial-emission/</a> )	Station or Parameter Addition to Existing Unit	
	Industry Category (Mention one of 17 categories or others, specifying it)	Distillery	
	Industry Code (Provide the code allocated to Industry by CPCB; Fill N/A if code is not allocated by CPCB)	05HP039	
	Full Name of the Industry (Exactly as per CTO)	Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP)	
	Address (Exactly as per CTO)	VPO Kasauli, District Solan, H.P.Kasauli	
	Latitude (Should be in Decimal Format)	30.90229	
	Longitude (Should be in Decimal Format)	76.973983	
	City/Town [As per CTO]	Kasauli	
	District [As per CTO]	Solan	
	State [As per CTO]	Himachal Pradesh	
	Whether the unit is falling in Ganga Basin? [Yes/No]	NO	
	SPCB/PCC Regional Office Details	HPPCB, Parwanoo	
	Authorised Person Name	Col G S Rathaur	
	Designation	Chief Executive Officer	
Mobile no.	9816255277		
Email ID of Authorized Representative of the Industry (As submitted on <a href="http://rtdms.cpcb.gov.in/cpcbIndustryRegistration/">http://rtdms.cpcb.gov.in/cpcbIndustryRegistration/</a> )	<a href="mailto:kasauli@mohanmeakin.com">kasauli@mohanmeakin.com</a>		
Station Details	Type of Discharge at the Station (Emission/Effluent)	Effluent	Effluent
	Industrial Process to which Station is attached (Eg. Boiler, ETP etc.)	Distillation	Distillation
	Station Name [Eg. Stack_1_Boiler_20TPH; ETP_1_Outlet etc.]	Spent Wash	Spent Lees
	Fuel used in the Industrial Process		
	Date of Commissioning of the unit to which OCEMS is connected	02.12.2024	02.12.2024
Parameter-wise OCEMS Instrument Details	Name of the Parameter Monitored (Use consecutive columns for separate parameter)	Flow	Flow
	Manufacturer of the Device	Errand Flowtech	Errand Flowtech
	Name of the Device Model	LDG-B-080-S-M-1-F-0-1-2-D16-CS	LDG-B-080-S-M-1-F-0-1-2-D16-CS
	Measurement Principle/Technique used in the Device	Electromagnetic Waves	Electromagnetic Waves
	Whether the measurement principle/technique as per CPCB OCEMS Guidelines? [Yes/No] (Guidelines available at <a href="https://cpcb.nic.in/ocems1/">https://cpcb.nic.in/ocems1/</a> )	Yes	Yes
	Please quote the reference page number in CPCB OCEMS Guidelines where the suitability of this measurement principle/technique is mentioned for the industrial process and parameter to be monitored	30	30
	Device Serial Number (Actual) [As mentioned/printed on the Device] *This device number shall be submitted on Registration Portal, while doing the industry registration	E08018080409	E08018080406
	Device Vendor (For Data Transmission)	<a href="http://www.xylem-errand.com/">http://www.xylem-errand.com/</a>	<a href="http://www.xylem-errand.com/">http://www.xylem-errand.com/</a>
	Whether the Device is Certified (Yes/No)	NO	NO
Certifying Agency (NPL/TUV/USEPA/MCERTS/Other)	NA	NA	
TPDS Assigned Industry ID for Integration and Pushing Data to CPCB Server	27		27

Parameter Integration Details	TPDS Assigned Station ID for Integration and Pushing Data to CPCB Server	776	777
	TPDS Assigned Device ID for Integration and Pushing Data to CPCB Server	xylem_errand_2953	xylem_errand_2954
	Emission/Effluent Discharge Limits Requested [As per CTO]	—	—
	Unit of Measurement	m3/hr	m3/hr
	Data Broadcast Frequency [Should be 2 Minutes]	2 minutes	2 minutes
	Minimum Measurement Range of Analyzer	0	0
	Maximum Measurement Range of Analyzer	50	50
Remote Calibration Details	Is Remote Calibration facility available for Gaseous Parameters (Except PM) [Yes/No/Not Applicable]	Not Applicable	Not Applicable
	Calibrator Make		
	Calibrator Model		
For Camera Connectivity Requests	Camera Location	Final Outlet Point of ETP	Drain Downstream of ETP
	Make	HIKVISION	HIKVISION
	Model	DS-2DE4220IW-DE	DS-2DE4220IW-DE
	Whether Camera is with 5x Zoom Facility and night vision capability [Yes/No]	Yes	Yes
	Whether PTZ functionality is available [Yes/No]	Yes	Yes
	IP Address of Camera	192.168.1.64	192.168.1.66
	Web Address of Camera	<a href="http://45.65.49.154:8081">http://45.65.49.154:8081</a>	<a href="http://45.65.49.154:8084">http://45.65.49.154:8084</a>
	User Id	admin	admin
	Password	Admin@1234	Admin@1234
	Whether DVR/NVR is installed (Yes/No)	Yes	yes
	Whether facility to view recording of last 60 days is available [Yes/No]	Yes	yes
	IP Address to access NVR/DVR	<a href="http://45.65.49.154:8082">http://45.65.49.154:8082</a>	<a href="http://45.65.49.154:8082">http://45.65.49.154:8082</a>
	User name and Password to access NVR/DVR	admin & Admin@1234	admin & Admin@1234

**Part B : Checklist**

S. No.	Values	Response (Yes/No) [To be filled by TPDS/Unit before emailing the request]
1	Is the CTO attached with the mail?	yes
1A	Validity date of CTO (If CTO is expired, kindly attach copy of renewal application)	31-03-2025
2	Is the Unit registered on RTDMS Registration Portal ( <a href="http://rtdms.cpcb.gov.in/cpcbIndustryRegistration/">http://rtdms.cpcb.gov.in/cpcbIndustryRegistration/</a> ) [Yes/No] If yes, kindly attach the copy of Registration PDF	yes
3	Whether the details submitted on RTDMS Registration Portal ( <a href="http://rtdms.cpcb.gov.in/cpcbIndustryRegistration/">http://rtdms.cpcb.gov.in/cpcbIndustryRegistration/</a> ) are exactly matching with details provided in this sheet? [Yes/No]	yes
4	Whether PDF Copy of Migration Email sent by Unit, having old and new TPDS in CC, is being enclosed in this mail? [Yes/No]	not applicable
	Whether Migration Letter in PDF form is attached with this mail? [Yes/No]	
	Whether Historical Data is attached with this mail? [Yes/No]	
5	Is the operating manual of the Device attached with this Email? [Yes/No] [Attaching the Device Manual is mandatory, and measurement principle/technique should be clearly mentioned in the manual]	yes
6	Is the certificate of the analyzer [NPL/USEPA/TUV etc.] attached with this email? [Yes/No]	Yes
7	Is the installation of entire OCEMS System as per CPCB OCEMS Guidelines? [Yes/No]	Yes
8	Is the authorized representative of the Unit being kept in CC while sending this email?	Yes

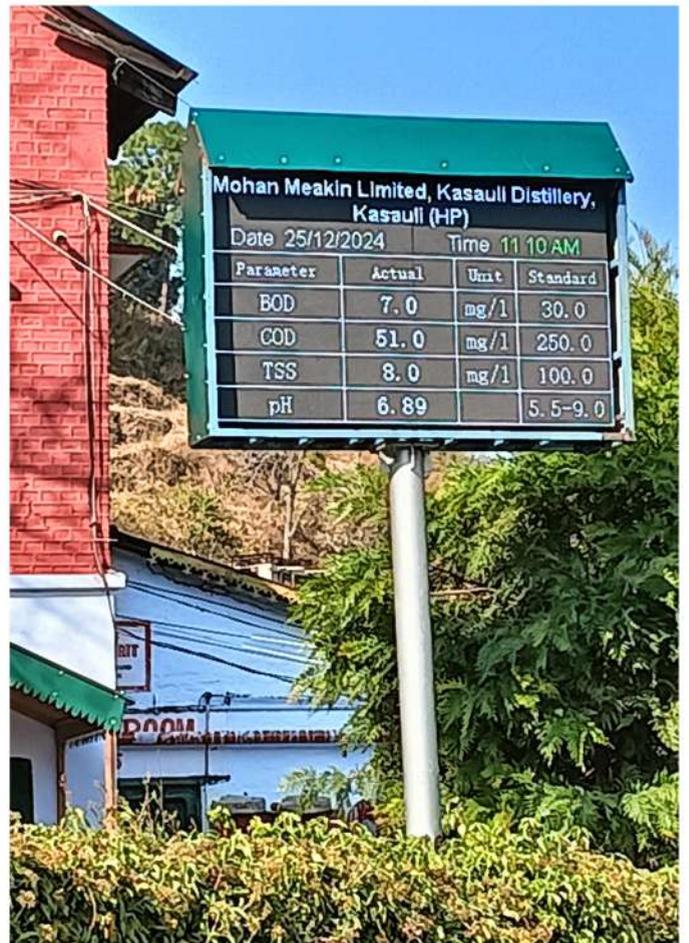
**438 Installed PTZ CCTV Camera at Final Outlet of ETP (i.e. RO Permeate tank facing gas holder tank): Direction Complied**



# Installed PTZ CCTV Camera at Drain Downstream of ETP: Direction Complied



# Provided Screen with Live Feed of PTZ CCTV Cameras in Public Domain near Unit's Entrance: Direction Complied



Mohan Meakin Ltd

Mailbox of kasauli@mohanmeakin.com

441

ANNEXURE - F (COLLY)

**Subject: Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP)**

From: <kasauli@mohanmeakin.com> on Mon, 23 Dec 2024 10:25:40

To: "pcbroparwanu1" <pcbroparwanu1@gmail.com>

Cc: "hppcb.itdivision@gmail.com" <hppcb.itdivision@gmail.com>

4 attachment(s) - Mohan\_Meakin\_Flowmeter\_HPSPCB.xlsx (14.30KB), OCEMS\_Connectivity\_Sheet\_Mohan\_Meakin\_Kasauli.xlsx (160.58KB), CTO\_FY\_2024-2025\_Mohan\_Meakin\_Kasauli.pdf (122.50KB), LDG\_Magnetic\_Flow\_Meter\_Manual\_2.0.pdf (1.92MB)

*The Regional Officer  
HP State Pollution Control Board  
Parwanoo (HP)*

*Sub: Online connectivity of PTZ CCTV Cameras and Raw Effluent Electromagnetic Flow Meters to Himachal Pradesh State Pollution Control Board Portal.*

*Sir,*

*We wish to inform you that as per the recommendations of Second Committee formed by Hon'ble NGT, we have installed PTZ CCTV Cameras covering final outlet of ETP (i.e. RO Permeate Tank facing Methane Gas Holder Tank) & drain downstream of ETP. We have also installed electromagnetic flow meters at raw effluent pipelines within the process in our unit. The same has connected to CPCB portal.*

*Please find attached filled pre deployment checklist sheet for adding PTZ Cameras and Electromagnetic flow meters in our existing station.*

*You are therefore requested to kindly connect our system to HPSPCB Portal and provide authorization key for start to push data from PTZ Cameras and Electromagnetic flow meters to HPSPCB server.*

*Regards  
COL G S RATHAUR, RETD  
Chief Executive Officer  
Mohan Meakin Limited  
Kasauli (H.P)  
PIN 173204  
FAX 01792-272099  
Phone 01792-272021*

**Disclaimer:**

This communication and any attachment is only meant for the intended recipient and contains privileged and confidential information. If you are not the intended recipient, you are hereby notified that any use, distribution or copying of this material is prohibited. If you have received this communication in error, kindly destroy it and notify us immediately. E-mails are vulnerable to data corruption, interceptions, tampering, viruses as well as delivery errors and we do not accept liability for any consequence that may arise there from. From time to time, our spam scanners eliminates legitimate email from clients.

Mohan Meakin Ltd

442

Mailbox of kasauli@mohanmeakin.com

## Subject: Online connectivity of Effluent Monitoring system to Himachal Pradesh Pollution Control Board Portal

From: Service Support <service@errandenterprises.com> on Wed, 22 Jan 2025 15:38:34

To: <naveen.chandregowda@rockwellautomation.com>

Cc: <hppcb.itdivision@gmail.com>, <nitish@errandenterprises.com>, <mukesh@errandenterprises.com>, <utsav@errandenterprises.com>, <kasauli@mohanmeakin.com>

---

2 attachment(s) - CTO\_FY\_2024-2025.pdf (122.50KB) , Mohan Meakin\_Flowmeter.xlsx (14.34KB)

Dear Sir,

Please find attached herewith filled pre-deployment Checklist sheet with Water CTO for your reference.

Kindly connect our system to HPPCB Portal.

Provide us Flow meter Parameter Id, Analyser Id, Site Id, Unit Id and encryption key in Deployment sheet for data push of flowmeter at HPPCB Server.

Also request you to connect PTZ Camera at Himachal Pollution control board portal.

PTZ camera details are given below:

Station: spent wash

Static IP: 45.65.49.154

HTTP Port: 8081

RTSP Port: 5555

Username: admin

Password: Admin@1234

Station: Spent Lees

Static IP: 45.65.49.154

HTTP Port: 8084

RTSP port: 5557

Username: admin

Password: Admin@1234

Thanks

**Subject: Re: Online connectivity of Effluent Monitoring system to Himachal Pradesh Pollution Control Board Portal**

From: I T DIVISION HPSPCB <hppcb.itdivision@gmail.com> on Wed, 22 Jan 2025 16:10:43

To: Naveen Chandre Gowda <Naveen.ChandreGowda@rockwellautomation.com>, Sanjeev Bhasin <Sanjeev.Bhasin@rockwellautomation.com>

Cc: nitish@errandenterprises.com, mukesh@errandenterprises.com, utsav@errandenterprises.com, kasauli@mohanmeakin.com, service@errandenterprises.com

Dear Naveen Ji,

You are requested to please create a site of M/s Mohan Meakin Limited, Kasauli Distillery, Kasauli (HP) on GLens Portal so that they can start transmitting the data.

You are requested to make it at the earliest please.

Regards,

**IT Division**

**H.P. State Pollution Control Board  
Shimla-171 009.**

On Wed, Jan 22, 2025 at 3:38 PM Service Support <service@errandenterprises.com> wrote:  
Dear Sir,

Please find attached herewith filled pre-deployment Checklist sheet with Water CTO for your reference.

Kindly connect our system to HPPCB Portal.

Provide us Flow meter Parameter Id, Analyser Id, Site Id, Unit Id and encryption key in Deployment sheet for data push of flowmeter at HPPCB Server.

Also request you to connect PTZ Camera at Himachal Pollution control board portal.

PTZ camera details are given below:

Station: spent wash

Static IP: 45.65.49.154

HTTP Port: 8081

RTSP Port: 5555

Username: admin

Password: Admin@1234

Station: Spent Lees

Static IP: 45.65.49.154

HTTP Port: 8084

RTSP port: 5557

Username: admin

Password: Admin@1234

Thanks

RTDMS x +

rtdms.cpcb.gov.in/#/industry-dashboard

 **Central Pollution Control Board** Welcome industry(Logout) Menu

Dashboard / Industry Dashboard

### Industries Dashboard

S.NO	Industry Name	Industry Code	Industry Sta...	Contributor ...	Address	City	State	Category	Created On	Last data	Ganga Basin	Actions
	<input type="text" value="Search"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>								
1	Mohan Meak...	05HP039	live	Xylem, Nevco	Kasauli, Distt...	Kasauli	Himachal Pr...	Distillery	27-May-2016...	10-Feb-2025...	No	   

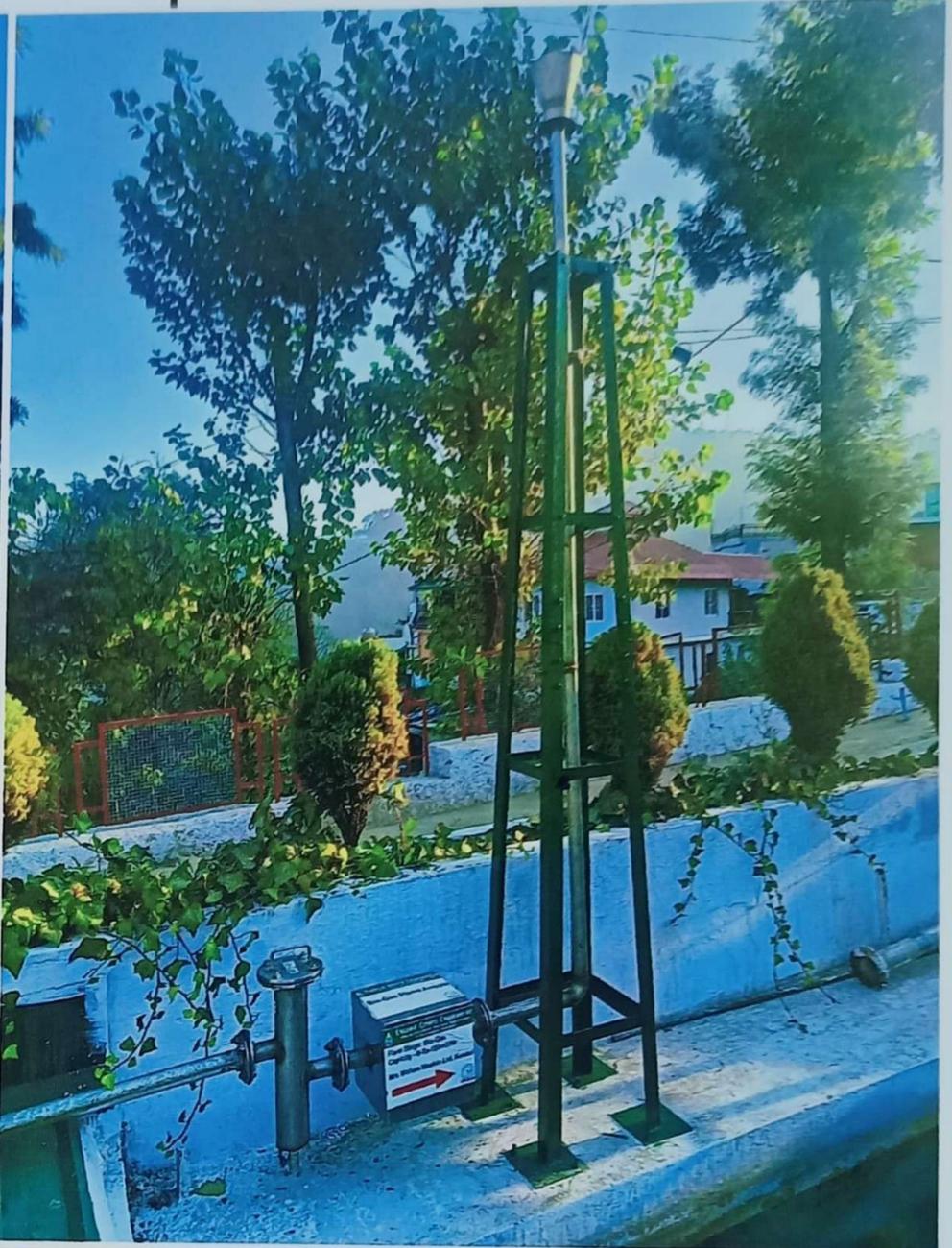
Total Records: 1

Site best viewed at 1024 X 768 resolution in Mozilla 45.0 or above, Google Chrome 50.0 or above

© 2023 Central Pollution Control board - All Rights Reserved. Disclaimer.

Windows taskbar: Type here to search, 11°C Sunny, 18:12, 10-02-2025

# Biogas Flaring Mechanism for safe disposal of Surplus Methane Gas During Shutdown - Direction Complied on Dated 18.11.2024



# Irrigation Management Plan for Effluent Treatment Plant

to

**M/s Mohan Meakin Limited**  
**Village Panwa, Tehsil Kasauli, District Solan,**  
**Himachal Pradesh**



Prepared

by

**Department of Soil Science & Water Management**  
**Dr Y S Parmar University of Horticulture & Forestry**  
**Nauni - Solan (Himachal Pradesh) -173 230**

December 2024

## 1.0 Introduction

M/s Mohan Meakin Limited, Kasauli Distillery, "THE FIRST INDIAN BREWERY" is one of the oldest and leading manufacturers of Indian Made Foreign Liquor in India. It was established in 1855 AD and is located at an altitude of approximately 5600 ft. msl with cold climate in Village Panwa, Tehsil Kasauli, District Solan, Himachal Pradesh. The factory is surrounded by orchards and tree plantation. The temperature during the year varies between 1°C and 32°C.

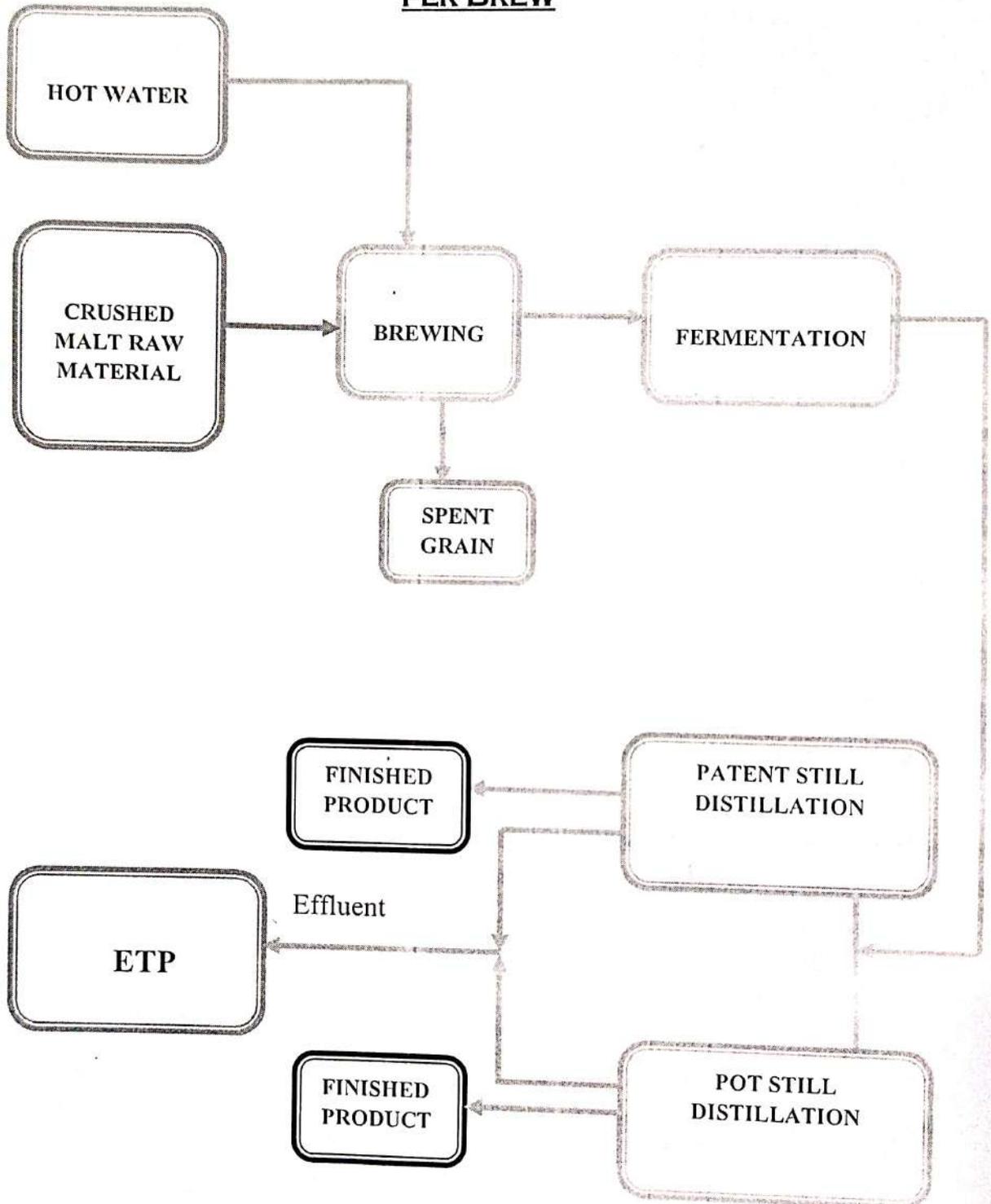
The distillery produces Indian made foreign liquor i.e. spirits of a high quality. The unique features of the Distillery is that it uses Barley Malt, as a raw material of Distillery grade, Natural Spring Water rich in minerals for process. The finished product gives its own typical taste and bouquet.

The installed spirits production capacity of M/s Mohan Meakin Limited, Kasauli Distillery is 1500 Bulk Kilo Liters annually and has a capacity to produce upto 5000 liters of alcohol (95 % alcohol content) per day.

The manufacturing of malt spirit process consists of coarse grinding of barley malt in four rolled malt crushing mill. The coarse grinded malt mixed with enzymes and low gravity hot water is then put into the mashtun for malt mashing process. After completion of mashing process, the filtered wort is then sent for fermentation process. The fermentation process is carried out under controlled temperature and sharp supervision of expert's team. After completion of fermentation process, the wort is then converted into the fermented wash. The fermented wash is then sent for batch distillation process. The batch distillation process is carried out into 99.99% copper pot stills. After completion of batch distillation process, the finished malt spirit is collected into the malt spirit receivers which is further transferred to spirit store room and spirit maturation rooms. The Kasauli distillery consisting fourteen maturation rooms where imported American white oak wood barrels filled with malt spirit are stored.

The solid waste in the form of spent grain is sold to the party outside State for cattle feeding. The effluent and floor & equipment washings are being sent to effluent treatment plant (ETP) for the treatment.

**FLOW DIAGRAM SHOWING MALT MANUFACTURING PROCESS**  
**PER BREW**



## 2.0 Effluent Treatment Plant (ETP)

The unit has its own effluent treatment plant (ETP) having 150 KL per day treatment capacity which was installed and commissioned by M/s Wal Chandnagar Industries Ltd., Pune incorporating UASB technology first time in India during year 1989. The effluent treatment plant upgraded and modified time to time with latest modern technologies.

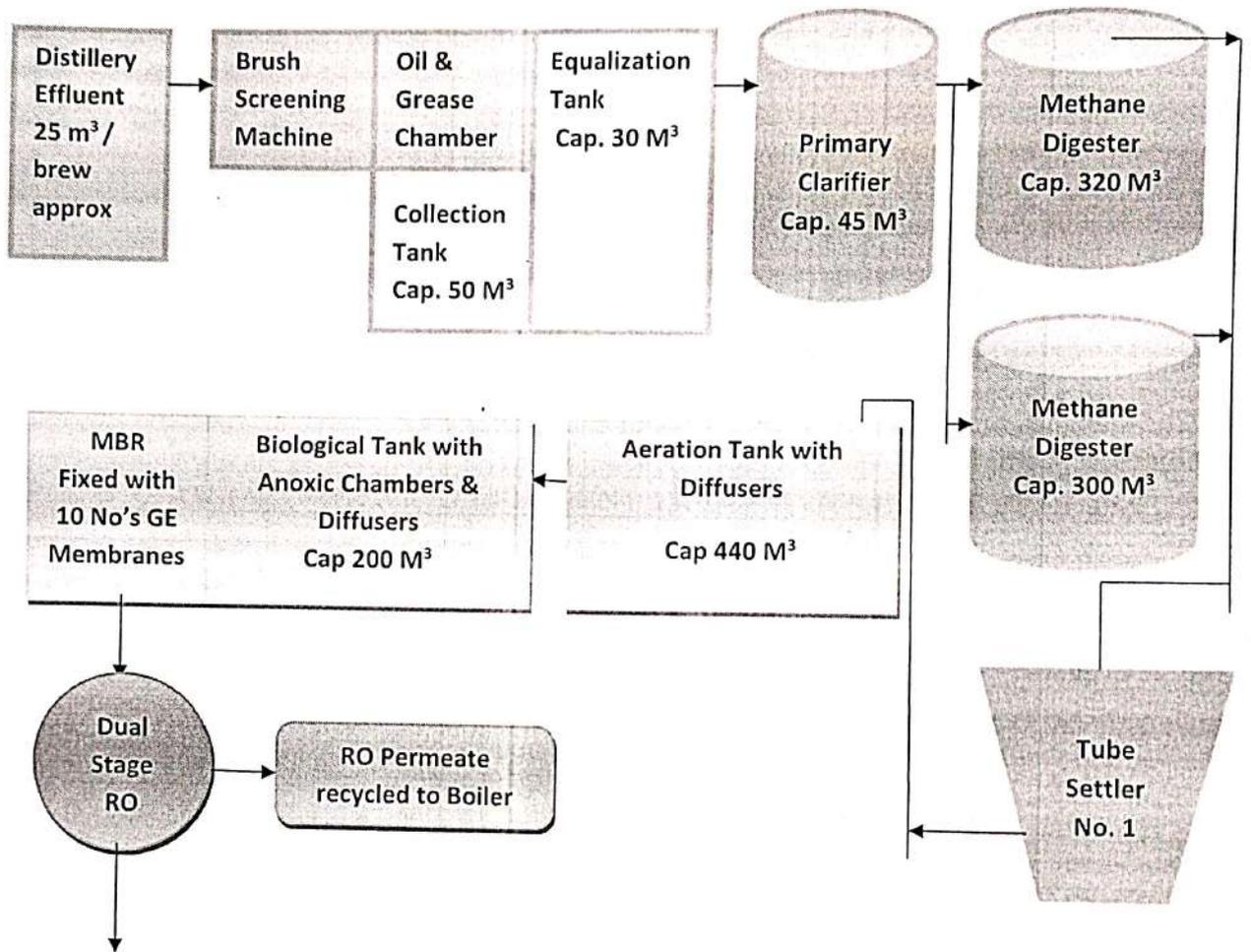
Recently the unit has upgraded its ETP with fully automatic MBR technology, High recovery double stage RO Membrane unit followed by high capacity Activated Carbon Filter and UV unit to produce perfect quality of sterilized treated water for recycling in process, high capacity liquid concentrator unit for evaporation and crystallization of RO reject water to ensure Zero Liquid Discharge.

In first stage, the effluent is being treated primarily with pH correction and then sent for anaerobical treatment. After anaerobic phase, it is being treated aerobically. And, finally it is being passed with MBR and Dual Stage RO. The RO permeate is recycled and is being used as a feed water in Boiler. The methane gas generated during anaerobic phase is being used as an additional fuel in Boiler which results in saving coal. All types of ETP waste is being sent to authorized recycler M/s Shivalik Solid Waste Management Pvt. Ltd., Village Nalagarh, District Solan, Himachal Pradesh.

The unit has installed Real Time Effluent Quality Monitoring System at the final outlet of ETP. The system is being transferred monitoring data to Central Pollution Control Board and HP State Pollution Control Board regularly.

The HP State Pollution Control Board is regularly monitoring the efficiency of Effluent Treatment Plant and analyzed the parameters of final outlet on regular basis.

**FLOW DIAGRAM SHOWING EFFLUENT TREATMENT PLANT PROCESS**



RO Reject dried in ATFD Unit

ATFD Unit → Dried Salt Sent To M/s Shivalik Solid Waste Management Ltd. For disposal.

Sludges from Primary, Anaerobic & Aerobic Phase is treated in TSS Separation Units → Sludge Cake sent to M/s Shivalik Solid Waste Management Ltd. for disposal

Methane Gas Generated in Methane Digesters are used at boiler as a fuel

### 3.0 Preparation of Irrigation Management Plan

The standard guidelines for utilization of treated effluent in irrigation are prescribed by the Central Pollution Control Board, Ministry of Environment, Forest & Climate Change, Govt. of India. Based on these guidelines, The present irrigation management plan for utilization of available irrigation water at M/s Mohan Meakin Limited, Kasauli is prepared and proposed by adopting following methodology.

### 3.1 Visit of scientists to site

A team of scientists comprising scientists from discipline of fruit science, vegetable science and irrigation engineering from Dr Y S Parmar University of Horticulture & Forestry, Nauni – Solan were visited the site for obtaining first-hand information at site initially, gathered information of available water for irrigation, agro climatic zone, studied soil and water sample analysis reports, estimated crop water requirement keeping in view crop, climate, irrigation type, soil condition, soil permeability and afterwards visited for identifying different blocks for suggesting plantation of appropriate fruit and vegetables.

### 3.2 Agro- ecological zone

The proposed area for plantation falls under agro ecological zone 3.1 - Wet temperate high hills, which is appropriate for temperate fruit and vegetable crops as shown in Fig. 1.

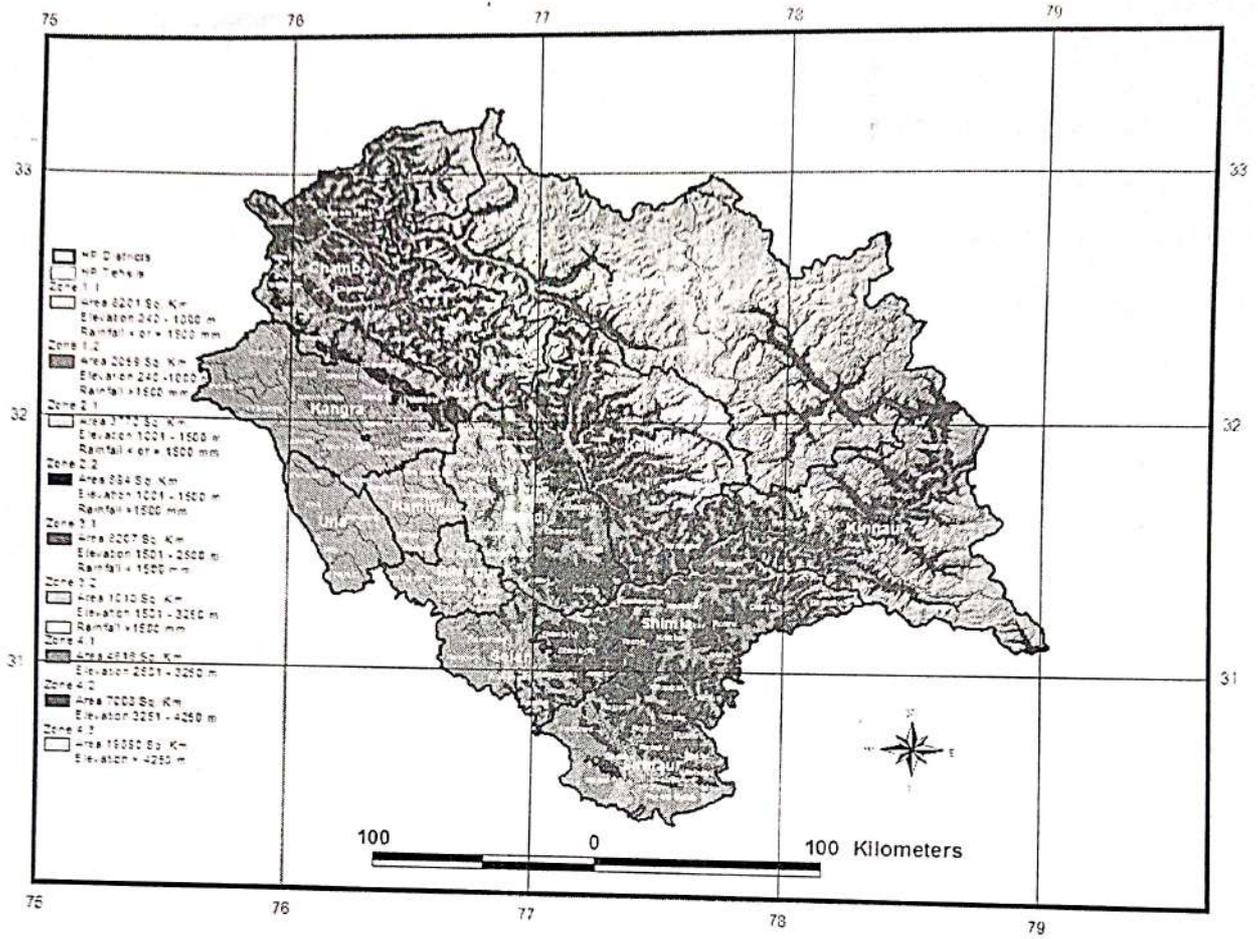


Fig. 1 Agro ecological zones of Himachal Pradesh

### 3.3 Water quality

The detailed report on analysis of water samples taken at RO Permeate, water samples taken from RO Permeate storage tank and water samples taken from irrigation water storage tank is annexed in Annexure – I.

As per guidelines by Central Control Board of Pollution, the treated effluent should meet the norms prescribed for irrigation under Environment (Protection) Rules, 1986/Consent. The effluent should also conform to Total Dissolved Solid (TDS)- 2100 mg l<sup>-1</sup> and Sodium Adsorption Ratio (SAR)- preferably less than 18 but not more than 26, depending on soil/crop type. Therefore, the water is suitable for the irrigation purpose, if pH between 6.0 to 8.5, Electrical conductivity (EC) at 25 °C is < 2250 µmhos cm<sup>-1</sup>, TDS < 2100 mg l<sup>-1</sup>, Sodium absorption ratio (SAR) is < 26 and boron concentration is < 2 mg l<sup>-1</sup>. The pH of water samples varied from 6.66 to 7.05, EC varies from 1553 µmhos cm<sup>-1</sup> to 1658 µmhos cm<sup>-1</sup>, total dissolved solids (TDS) varies from 928 to 940 mg l<sup>-1</sup> and SAR varies from 10.4 to 10.9. Based on these guidelines, it may be concluded that the treated water is suitable for irrigation for perennial fruit and seasonal vegetables.

### 3.4 Soil analysis

Three representative soil samples from the site were collected with samples numbers namely 246, 247 and 248 and these soil samples were analyzed at NABL accredited Advanced Soil and Leaf Analysis Laboratory at Department of Soil Science and Water Management, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, -Solan, Himachal Pradesh. The detailed soil analysis report is annexed in Annexure - II

The soil pH varied from 6.34 to 5.81 and the optimal range of pH is 6.5 to 7.3, which is slightly acidic. The soil electrical conductivity (EC) varied from 0.151 dSm<sup>-1</sup> to 0.331 dSm<sup>-1</sup> and the optimal range of EC is <2.00 dSm<sup>-1</sup>, hence the results lie in the optimum range. The Organic Carbon (OC) varied from 2.55% to 3.58%, which shows the very high content of the organic carbon present in the soil which is favorable for the fruit and vegetable plantation in the study area. The Nitrogen (N) varied from 370 kg ha<sup>-1</sup> to 483 kg ha<sup>-1</sup> which lies in the moderate range. The Phosphorus (P) varied from 88.9 kg ha<sup>-1</sup> to 206 kg ha<sup>-1</sup>, which lies in very high range. The Potassium (K) varied from 203 kg ha<sup>-1</sup> to 375 kg ha<sup>-1</sup>, which lies in medium to higher range. The Zinc (Zn) varied from 6.40 ppm to 8.04 ppm, which indicates in higher range. The Copper (Cu) varied from 2.00 ppm to 14.5 ppm, which lies in very high range. The Iron (Fe) varied from 70.9 ppm to 77.8 ppm, which lies in very high range. The Manganese (Mn) varied from 27.1 ppm to 27.9 ppm, which shows very high availability of Mn in the soil. The Calcium (Ca) varied from 6.47 [cmol(p+) kg<sup>-1</sup>] to 12.6 [cmol(p+) kg<sup>-1</sup>], which lies in high to very high range. The

Magnesium (Mg) varied from 1.65 [cmol(p+) kg<sup>-1</sup>] to 3.06 [cmol(p+) kg<sup>-1</sup>], which lies in medium to higher range. The Sulphur (S) ranged from 2.44 ppm to 4.95 ppm, which is in very low range and the Boron (B) varied from 0.62 ppm to 1.34, which is in medium to high range. Therefore, overall, it can be concluded and recommended that the soil is very much suitable for appropriate plantation of perennial fruit and seasonal vegetables for cultivation in the area.

### 3.5 Irrigation water

As per information gathered at the site, the plant is generating 60,000 litres water daily, out of which about 35,000 litres of water is utilized in boilers and 15,000 litres of water is utilized floor washing and consumed other losses. About 10,000 liters (10 cubic meter) water is available daily for irrigation purpose to irrigate proposed perennial fruit crops, seasonal vegetable crops and green lawn areas. Total operational days of effluent treatment plant are about 300 days and the total annual water available for irrigation is about 3000 m<sup>3</sup>. The proposed perennial fruit and seasonal vegetable crops and green lawn area for utilizing treated water for irrigation purpose are shown in Table 1 and the total month wise cubic meter water used for irrigation purpose in different blocks and crops are depicted in Table 2. For irrigation water storage, total three no. of RCC water storage tanks of 50,000 litres each are proposed to be constructed for irrigation purpose and to meet out monthly requirements of irrigation. The individual blocks and proposed location of irrigation water storage tanks are shown in Fig 2. The four to five cm surface irrigation through pipes from irrigation water storage tanks are proposed to irrigate perennial fruit and vegetable crops at an interval of 10-15 days and in lawn areas at an interval of 7-10 days depending on the occurrence of rainfall amount in the area. In future, if availability of irrigation water from the ETP is increased then additional blocks of perennial fruit and seasonal vegetables crops may be developed in the area to utilize additional available irrigation water.

Table 1: Proposed perennial fruit and seasonal vegetable crops and green lawn area for utilizing treated water for irrigation purpose

S. No.	Particulars/ Blocks	Area (m <sup>2</sup> )	Proposed Crop	Variety/Species	Spacing (m×m)	No. of Plants
1	Lawn Area	336	Lawn grass	-	-	-
2	Lawn Area Near Jamun Residence	656	Lawn grass	-	-	-
3	Above Mohan Ground	36	Plum	Santa Rosa	4 m × 4 m	6
4	Block 1 (Above power house)	300	Morus ambra (Shatoot)	Morus alba	4 m × 4 m	30
5	Block 2	220	Apple (Intercropping seasonal vegetable Crops)	Dark Baron Gala/Venus Gala	2.5 m × 2.5 m	30
6	Block 3 (Plum Block) Contour Slope	660	Plum Fruit Crop (Intercropping seasonal vegetable crops)	Santa Rosa/Red Beaut	3.5 m × 3.5 m	100
7	Block 4 (Pear Block) Above road	120	Pear (Intercropping Seasonal Vegetable Crops)	Carmen	3.5 m × 3.5 m	20
8	Block 5	54	Apple	Dark Baron Gala	2.5 m × 2.5 m	12
9	Block 6	90	Pomegranate	Bhagwa	3 m × 3 m	10
10	Block 7	100	Persimmon (Intercropping seasonal vegetable crops)	Fuyu	3 m × 3 m	12
11	Block 8 (Existing Pear)	200	Pear (Intercropping seasonal vegetable Crops)	Red Bartlett	4.5 m × 4.5 m	10
12	Block 9	120	Walnut (Intercropping seasonal vegetable crops)	Pratap	4 m × 4 m	10

	(Above 6 TPH Boiler)						
13	Block 10 (Apple block above Jamun)	2000	Apple (Intercropping seasonal vegetable crops)	Jeromine /Dark Baron Gala/Venus Gala	2.5 m × 2.5 m	170	
14	Block 11 (Above QTR 13)	240	MTP		3 m × 3 m	30	
	<b>Total</b>	<b>5132</b>				<b>440</b>	

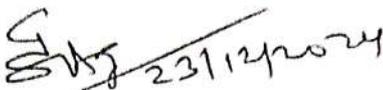
Table 2: Total month wise cubic meter water used for irrigation purpose

S. No.	Proposed Crop	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov.	Dec.	Total Irrigation water used
1	Lawn grass	13.44	13.44	26.88	26.88	26.88	6.72	6.72	6.72	6.72	20.16	20.16	13.44	188.16
2	Lawn grass	26.24	26.24	52.48	52.48	52.48	13.12	13.12	13.12	13.12	39.36	39.36	26.24	367.36
3	Plum	1.44	1.44	2.88	2.88	2.88	0.72	0.72	0.72	0.72	2.16	2.16	1.44	20.16
4	Morus ambla (Shatoot)	12.00	12.00	24.00	24.00	24.00	6.00	6.00	6.00	6.00	18.00	18.00	12.00	168.00
5	Apple (Intercropping seasonal vegetable Crops)	8.80	8.80	17.60	17.60	17.60	4.40	4.40	4.40	4.40	13.20	13.20	8.80	123.20
6	Plum Fruit Crop (Intercropping seasonal vegetable crops)	26.40	26.40	52.80	52.80	52.80	13.20	13.20	13.20	13.20	39.60	39.60	26.40	369.60
7	Pear (Intercropping Seasonal)	4.80	4.80	9.60	9.60	9.60	2.40	2.40	2.40	2.40	7.20	7.20	4.80	67.20

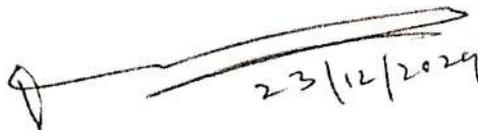


459

The present Irrigation Management Plan (IMP) for Effluent Treatment Plant (ETP) at M/s Mohan Meakin Limited, Kasauli has been prepared by the Department of Soil Science & Water Management, Dr. Y S Parmar University of Horticulture & Forestry, Nauni – Solan (Himachal Pradesh) and submitted for the execution by the firm.

 23/12/2024

**Dr. Ghanshyam Agrawal**  
Associate Professor (Agricultural Engineering)  
Department of Soil Science & Water Management  
Dr Y S Parmar University of Horticulture & Forestry  
Nauni-Solan (Himachal Pradesh) – 173230

 23/12/2024

**Professor & Head**

Department of Soil Science & Water Management  
Dr Y S Parmar University of Horticulture & Forestry  
Nauni-Solan (Himachal Pradesh) - 173230

 22/12/2024

**Director of Research**  
Dr Y S Parmar University of Horticulture & Forestry  
Nauni-Solan (Himachal Pradesh) - 173230

**Annexure -I**  
**Water sample analysis report**



Interstellar Testing Centre PVT. LTD.

Test Report

Report No. : ICI-2404301079 (2)

ORIGINAL  
Page 1 of 1



Forward To :

Dehan Meakin Ltd.  
Kasauli Distillery, Kasauli, Distt. Solan  
Kasauli, 173204  
Jharkhand Pradesh, India

Sample Registration No. : E01-2404230926  
Sample Name : Water Sample (RO Permeate)  
Sample Condition : Good  
Sample Details (if any)  
Sample Quantity : 5 Ltr  
Packaging Mode : Packed in can  
No. QR Code : NA  
Date of Manufacture : NA  
Sample Submission Type : Submitted  
Customer Reference : GSR/GS/46/Analysis/19-04-2024  
Any Other Information : NA  
Test Report as per : NA

Received On : 23-04-2024  
Commenced On : 23-04-2024  
Completed On : 30-04-2024  
Date of Report : 30-04-2024

Grade : NA  
Date of Expiry : NA

Description: Water Sample (RO Permeate)

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
Discipline : Chemical						
Group : Pollution & Environment						
(I) General Parameters						
1	Mercury(as Hg)	mg/l	ICPOES	IS:3025 (Part-2): 2019	BLQ(LOQ : 0.05)	-
2	Residual Sodium Carbonate	meq/L	By Calculation	IS:11624-1986(Reaff:2007)	-0.96	-
3	Total Oxygen Demand	mg/l	By Calculation	By Calculation	Nil	-

NOTE : NA- Not Applicable, LOQ- Limit of Quantification, BLQ- Below limit of Quantification. Sample Submitted by Customer

REMARKS : See Note

\*\*\*\*\*End of Report\*\*\*\*\*

*[Signature]*  
30/04/2024  
Vikrant Salni  
Verified by

*[Signature]*  
30/04/20  
Prem Kum  
Authorised

Disclaimer :

- The report is only for the sample tested
- Total liability of ITC Labs is limited to the invoiced amount
- The test report shall not be reproduced except in full without the written approval of the laboratory
- If samples not consumed during analysis, it will be stored and retain as per company policy

Interstellar Testing Centre PVT. LTD.

6, Industrial Area, Phase-I, Panchkula-134109 (Haryana)  
panchkula-134109 (Haryana)

Interstellar Testing Centre PVT. LTD.



Test Report

Report No. : ICE-24042024(78/2)

ORIGINAL  
Page 1 of 1



Issued To :

Udhan Meakin Ltd.  
Kasauli Distillery, Kasauli, Distt. Solan  
Vasaihi - 173204  
Himachal Pradesh, India

Sample Registration No : F01-2404230927  
Sample Name : Water Sample (RO Permeate Storage Tank)  
Sample Condition : Good  
Sample Details (if any)  
Sample Quantity : 5 Ltr  
Packaging Mode : Packed in can  
Lot No. QR Code : NA  
Date of Manufacture : NA  
Sample Submission Type : Submitted  
Customer Reference : GSR/GS/46/Analysis/19-04-2024  
Any Other Information : NA  
Test Report as per : NA

Received On : 23-04-2024  
Commenced On : 23-04-2024  
Completed On : 30-04-2024  
Date of Report : 30-04-2024

Grade : NA  
Date of Expiry : NA

Description: Water Sample (RO Permeate Storage Tank)

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
Discipline : Chemical						
Group : Pollution & Environment						
(1) General Parameters						
1	Mercury(as Hg)	mg/l	ICPOES	IS:3025 (Part-2) 2019	BLQ(LOQ 0.05)	-
2	Residual Sodium Carbonate	meq/L	By Calculation	IS:11624-1986(Reaff:2007)	-1.17	-
3	Total Oxygen Demand	mg/l	By Calculation	By Calculation	12	-

NOTE : NA- Not Applicable, LOQ- Limit of Quantification, BLQ- Below limit of Quantification. Sample Submitted by Customer.

REMARKS : See Note

\*\*\*\*\*End of Report\*\*\*\*\*

*[Signature]*  
30/04/2024  
Vikrant Sahil  
Verified by

*[Signature]*  
30/04/2024  
Prem Kumar  
Authorised

Interstellar Testing Centre PVT. LTD,  
6, Industrial Area, Phase-1, Panchkula-134109 (Haryana)  
panchkula-134109 (Haryana)

Disclaimer :

- The report is only for the sample tested
- Total liability of ITC Labs is limited to the invested amount
- The test report shall not be reproduced except as full without the written approval of the laborator
- If samples not consumed during analysis, it will be stored and retain as per company policy



Interstellar Testing Centre PVT. LTD.

Test Report

Report No. : ICL-2404301077 (2)

ORIGINAL  
Page 1 of 1



Issued To :

Johari Meakin Ltd.  
Kasauli Distillery, Kasauli, Distt. Solan  
Kasauli, 173204  
Uttaranchal Pradesh, India

Sample Registration No. : E01-2404230928  
Sample Name : Water Sample (Irrigation Water Storage Tank)  
Sample Condition : Good  
Sample Details (if any)  
Sample Quantity : 5 Ltr  
Packaging Mode : Packed in can  
Batch No. QR Code : NA  
Date of Manufacture : NA  
Sample Submission Type : Submitted  
Customer Reference : GSR/GS/46/Analysis/19-04-2024  
Any Other Information : NA  
Test Report as per : NA

Received On : 23-04-2024  
Commenced On : 23-04-2024  
Completed On : 30-04-2024  
Date of Report : 30-04-2024  
Grade : NA  
Date of Expiry : NA

Description: Water Sample (Irrigation Water Storage Tank)

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
Discipline : Chemical						
Group : Water						
(I) General Parameters						
1	Mercury(as Hg)	mg/l	ICPOES	IS:3025 (Part-2), 2019	BLQ(LOQ 0.05)	-
2	Residual Sodium Carbonate	meq/L	By Calculation	IS:11624-1986(Reaff.2007)	-1.33	-
3	Total Oxygen Demand	mg/l	By Calculation	By Calculation	5	-

NOTE : NA- Not Applicable, LOQ- Limit of Quantification, BLQ- Below limit of Quantification. Sample Submitted by Customer.

REMARKS : See Note

\*\*\*\*\*End of Report\*\*\*\*\*

*[Signature]*  
30/04/2024  
Vikrant Saini  
Verified by

*[Signature]*  
30/04/20  
Prem Kum  
Authorised

Interstellar Testing Centre PVT. LTD.  
6, Industrial Area, Phase-1, Panchkula-131109 (Haryana)  
Panchkula-134109 (Haryana)

Disclaimer :

- The report is only for the sample tested
- Total liability of IC Labs is limited to the invoiced amount
- The test report shall not be reproduced except in full without the written approval of the laborator
- If samples not consumed during analysis, it will be stored and return as per company policy



Interstellar Testing Centre PVT. LTD.



Test Report  
 Report No. : ITC-2404301079 (1)  
 ULR No. : ITC5926240000074481

ORIGINAL  
 Page 1 of 2

Issued To :

Mohan Meakin Ltd.  
 Kasauli Distillery, Kasauli, Distt. Solan  
 Kasauli, 173204  
 Himachal Pradesh, India

Sample Registration No. : E01-2404230926	Received On : 23-04-2024
Sample Name : Water Sample (RO Permeate)	Commenced On : 23-04-2024
Sample Condition : Good	Completed On : 30-04-2024
Sample Details (if any)	Date of Report : 30-04-2024
Sample Quantity : 5 Ltr	
Packaging Mode : Packed in can	
Batch No./QR Code : NA	Grade : NA
Date of Manufacture : NA	Date of Expiry : NA
Sample Submission Type : Submitted	
Customer Reference : GSR/GS/46/Analysis/19-04-2024	
Any Other Information : NA	
Test Report as per : NA	

Description: Water Sample (RO Permeate)

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
Discipline : Chemical						
Group : Pollution & Environment						
(I) General Parameters						
1	Nitrite (as N)	mg/l	UV-Spectrophotometer	IS 3025 (Part 34): 2019	BLQ(LOQ 1.0)	-
2	pH Value	NA	pH Meter	IS: 3025 (Part-11): 2022	6.66	-
3	Total Suspended Solids	mg/l	Gravimetric	IS: 3025 (P-17): 2022	4	-
4	Chloride(as Cl)	mg/l	Titration	IS 3025 (Part 32): 2019	34.5	-
5	Lead(as Pb)	mg/l	ICPOES	IS 3025 (Part-2): 2019	BLQ(LOQ : 0.05)	-
6	Cadmium(as Cd)	mg/l	ICPOES	IS 3025 (Part-2): 2019	0.08	-
7	Chemical Oxygen Demand	mg/l	COD Reflux Assembly	IS 3025 (Part 58): 2023	BLQ(LOQ: 4.0)	-
8	Oil & Grease	mg/l	Gravimetric	IS: 3025 (Part 39)-2021	<4.0	-
9	Bio-chemical Oxygen Demand, (3 days at 27°C)	mg/l	BOD Incubator	IS 3025 (Part 44): 2023	BLQ(LOQ: 1.0)	-
10	Sodium Absorption Ratio	NA	By Calculation	STP/ITC/EW/027	10.4	-
11	Arsenic(as As)	mg/l	ICPOES	IS: 3025 (Part-2):	BLQ(LOQ : 0.05)	-

30/04/2024  
 Vikrant Saini  
 Verified by

30/04/2024  
 Prem Kum  
 Authorised

Disclaimer :

- The report is only for the sample tested
- Total liability of ITC Labs is limited to the invoiced amount
- The test report shall not be reproduced except in full without the written approval of the laboratory
- If samples not consumed during analysis, it will be stored and return as per company policy

Interstellar Testing Centre PVT. LTD.  
 6, Industrial Area, Phase-I, Panchkula-134109 (Haryana)  
 panchkula-134109 (Haryana)



Interstellar Testing Centre PVT. LTD.



Test Report

Report No. : ITC-2404301079 (1)

ULR No. : ITC592624000007448F

TC-5926

ORIGINAL  
Page 2 of 2



			2019		
12	Conductivity	µmhos/cm	Conductivity Meter IS 3025 (Part 14) : 2019	1560	-
13	Total Dissolved Solids	mg/l	Gravimetric IS: 3025 (P-16): 2023	930	-

NOTE : NA- Not Applicable, LOQ- Limit of Quantification, BLQ- Below limit of Quantification. Sample Submitted by Customer.

REMARKS : See Note

\*\*\*\*\*End of Report\*\*\*\*\*

ack

30/04/2024  
Vikrant Saini  
Verified by

30/04/20  
Prem Kum  
Authorised

Interstellar Testing Centre PVT. LTD.  
Industrial Area, Phase-1, Faridkot-141009 (Haryana)  
Faridkot-141009 (Haryana)

Disclaimer :

- The report is only for the sample tested
- Total liability of ITC Labs is limited to the invoiced amount
- The test report shall not be reproduced except in full without the written approval of the laboratory
- If samples not consumed during analysis, it will be stored and retain as per company policy



Interstellar Testing Centre PVT. LTD.



Test Report

Report No. : ITC/2404230927 (1)  
 ULR No. : ITC/2624000007447E

ORIGINAL  
 Page 1 of 2

Issued To :

Johan Meakin Ltd.  
 Kasauli Distillery, Kasauli, Distt. Solan  
 Kasauli, 173204  
 Himachal Pradesh, India

Sample Registration No : E01-2404230927  
 Sample Name : Water Sample (RO Permeate Storage Tank)  
 Sample Condition : Good  
 Sample Details (if any)  
 Sample Quantity : 5 Ltr  
 Packaging Mode : Packed in can  
 No. QR Code : NA  
 Date of Manufacture : NA  
 Sample Submission Type : Submitted  
 Customer Reference : GSR/GS/46/Analysis/19-04-2024  
 Any Other Information : NA  
 Test Report as per : NA

Received On : 23-04-2024  
 Commenced On : 23-04-2024  
 Completed On : 30-04-2024  
 Date of Report : 30-04-2024

Grade : NA  
 Date of Expiry : NA

*Handwritten notes:*  
 4801 jendru - (8)  
 Ro Permeate  
 EIP - (1) No

S. No.	Parameter	Measuring Unit	Instrument	Method	Result	Specification
Description : Water Sample (RO Permeate Storage Tank)						
Discipline : Chemical						
Group : Pollution & Environment						
(1) General Parameters						
1	Nitrate (as N)	mg/l	UV-Spectrophotometer	IS 3025 (Part 34): 2019	BLQ(LOQ 1.0)	-
2	pH Value	NA	pH Meter	IS. 3025 (Part-11): 2022	6.97	-
3	Total Suspended Solids	mg/l	Gravimetric	IS: 3025 (P-17): 2022	5	-
4	Chloride(as Cl)	mg/l	Titration	IS 3025 (Part 32): 2019	49	-
5	Lead(as Pb)	mg/l	ICP/OES	IS:3025 (Part-2): 2019	BLQ(LOQ 0.05)	-
6	Cadmium(as Cd)	mg/l	ICP/OES	IS:3025 (Part-2): 2019	BLQ(LOQ 0.05)	-
7	Chemical Oxygen Demand	mg/l	COD Reflux Assembly	IS 3025 (Part 58): 2023	10	-
8	Oil & Grease	mg/l	Gravimetric	IS: 3025 (Part 39):2021	<4.0	-
9	Bio-chemical Oxygen Demand,(3 days at 27°C)	mg/l	BOD Incubator	IS 3025 (Part 44): 2023	2	-
10	Solurn Absorption Ratio	NA	By Calculation	STP/HCC/FWA/027	10.9	-
11	Arsenic(as As)	mg/l	ICP/OES	IS: 3025 (Part 2): 2019	BLQ(LOQ 0.05)	-

30/04/2024  
 Vikrant Salul  
 Verified by

30/04/20  
 Prem Kum  
 Authorised

Disclaimer :

- The report is only for the sample tested.
- Total liability of HFC Labs is limited to the analytical amount.
- This report shall not be reproduced except in full without the written approval of the laboratory.
- If samples not conserved during analysis of soil by storage and return as per company policy.

Interstellar Testing Centre PVT. LTD.

Industrial Area, Phase 1, Kasauli-173204 (Haryana)

Contact No. : 01762-240000

Website : www.interstellartesting.com



Interstellar Testing Centre PVT. LTD.

Test Report

Report No. : ITC-2404301078 (1)

ULR No. : ITC59262400000/447F



ORIGINAL  
Page 2 of 2



Conductivity	µmhos/cm	Conductivity Meter	IS 3025 (Part 14) : 2019	1658	-
Total Dissolved Solids	mg/l	Gravimetric	IS: 3025 (P-16): 2023	940	-

NOTE : NA- Not Applicable, LOQ- Limit of Quantification, BLQ- Below limit of Quantification. Sample Submitted by Customer.

REMARKS : See Note

\*\*\*\*\*End of Report\*\*\*\*\*

*[Signature]*

30/04/2024  
Vikrant Saini  
Verified by

*[Signature]*

30/04/20  
Prem Kaur  
Authorised

Interstellar Testing Centre PVT. LTD.  
G. Industrial Area, Phase-I, Paschimkula-134109 (Haryana)  
Phone: 0174-234199 (Haryana)

Disclaimer :

- The report is only for the sample tested
- Total liability of ITC Labs is limited to the invoiced amount
- The test report shall not be reproduced except in full without the written approval of the labours
- If samples not consumed during analysis it will be stored and return as per company policy

Labs



Interstellar Testing Centre PVT. LTD.

Test Report

Report No. : ICP-2404301077 (1)

ULR No. : TC592624000007446E



ORIGINAL  
Page 2 of 2

Conductivity	µmhos/cm	Conductivity Meter	IS 3025 (Part 14): 2019	1553	-
Total Dissolved Solids	mg/l	Gravimetric	IS: 3025 (P-16): 2023	92%	-

NOTE: NA- Not Applicable, LOQ- Limit of Quantification, BLQ- Below limit of Quantification. Sample Submitted by Customer.  
REMARKS: See Note

\*\*\*\*\*End of Report\*\*\*\*\*

30/04/2024  
Yikrant Saini  
Verified by

30/04/20  
Prem Kum  
Authorised

Interstellar Testing Centre PVT. LTD.  
6, Industrial Area, Phase-1, Panchkula-134109 (Haryana)  
and Gurgaon-134109 (Haryana)

Disclaimer :

- This report is only for the sample tested
- Total liability of ITC Labs is limited to the invoiced amount
- The test report shall not be reproduced except in full without the written approval of the laborator
- If samples not consumed during analysis, it will be stored and return as per company policy

**469**  
**Electromagnetic Flow Meters at the Raw Spent Wash Pipelines**  
**Installed within the process: Directions Complied**



# POT STILL HOUSE

**RAW SPENT WASH**

**&**

**SPENT LEES**

**LOG BOOK**

**W.E.F 25.12.2024**

Date	Time	Initial	Final	Total
28.12.24	2:00 Pm	-	-	-
29.12.24	A	00000	00012.0	12.0 KL
30.12.24	A	00012.0	00018.0	6.0 KL
30/12.2024	8:45 Am	00018.0	00025.0	7.0 KL
- 11 -	10:00 Am	-	-	-
01/01/2025	10:30 Am	-	-	-
- 11 -	11:15 Am	-	-	-
- 11 -	11:30 Pm	00025.0	00030.0	5.0 KL
02/01/2025	7:50 Am	00030.0	00036.0	6.0 KL
02.01.25	11:20 Pm	00036.0	00042.0	6.0 KL
03.01.25	5:15 AM	00042.0	00049.0	7.0 KL
04.01.25	1:15 AM	00049.0	00055.0	6.0 KL
- 11 -	8:15 AM	00055.0	00061.0	6.0 KL
- 11 -	9:00 Am	-	-	-
- 11 -	9:30 Am	-	-	-
05.01.25	2:00 AM	00061	00067	6.0 KL
- 11 -	8:45 Am	00067	00073.0	6.0 KL
06.01.25	<del>6:30 Am</del>	00073.0	00078.0	5.0
- 11 -	3:15 Am	00078.0	00087.0	9.0 KL
07/01/25	5:00 Am	00087.0	00093.0	6.0 KL
07/01/25	10:10 Am	00093.0	00099.0	6.0 KL
08/01/25	7:15 Am	00099.0	00105.0	6.0 KL
08/01/25	9:30 Am	00105.0	00111.0	6.0 KL
09/01/25	5:15 Am	00111.0	00117.0	6.0 KL
09/01/25	9:20 Am	00117.0	00122.0	5.0 KL
10/01/25	5:15 Am	00122.0	00129.0	7.0 KL
10.01.25	3:20 Pm	00129.0	00136.0	7.0 KL
11/01/25	2:45 Am	00136.0	00142.0	6.0 KL
11/01/25	11:15 AM	00142.0	00148.0	6.0 KL
12/01/25	8:20 AM	00148.0	00154.0	6.0 KL
1/25	3:45 Pm	00154.0	00160.0	6.0 KL

Remarks	Spent Lees flow 1472 Readings			Remarks
	Initial	Final	Total	
Inwashing	00000.0	00000.0	4.0 KL	under cleaning of 10/11/11 243
Spent wash	00004.0	00013.0	9.0 KL	Washing.
Spent lees	00013.0	00016.0	5.0 KL	S. lees.
- U -	00018.0	00023.0	5.0 KL	- U -
Spent wash				
Spent wash				
Spent wash				
Spent lees	00022.0	00027.0	4.0 KL	S. lees
- U -	00027.0	00031.0	4.0 KL	- U -
Spent wash				
Spent wash	00031.0	00034.0	3 KL	Spent lees
- U -				
Spent wash	00034.0	00046.0	12.0 KL	
- U -				
Spent wash	00046.0	00050.0	4.0 KL	Spent lees
Spent wash	00050.0	00054.0	4.0 KL	
	00054.0	00064.0	10.0 KL	
	00064.0	00067.0	3.0 KL	
	00067.0	00071.0	4.0 KL	
	00071.0	00076.0	5.0 KL	
	00076.0	00085.0	9.0 KL	

473

Date	Time	Spent wash flow meter Reading		Total	Remarks
		Initial	Final		
13.01.25	5:30AM	00160.0	00167.0	7.0KL	
13.01.25	10:00AM	00167.0	00173.0	6.0KL	
13/01/25	3:45pm	-	-	-	-
14/01/25	3:45AM	00173.0	00179.0	6.0KL	
14/01/25	9:40AM	00179.0	00188.0	6.0KL	
15/01/25	2:10AM	00185.0	00192	7.0KL	
15/01/25	6:30AM	00192	00198	6.0KL	
15.01.25	9:00AM	00198	-	-	
16.01.25	9:00AM	-	-	-	
17.01.25	9:00AM	-	-	-	
18.01.25	8:30, 9:40AM	00198.0	00211	13.0KL	
19/01/25	6:20AM	00211.0	00218.0	7.0KL	
19.01.25	9:00AM	00218.0	00225.0	7.0KL	
20/01/25	7:45AM	00225	00232	7.0	
-11-	8:45AM	00232	00238	8.0	
-11-	9:30AM	-	-	-	
-11-	10:00AM	-	-	-	
-11-	10:30AM	-	-	-	
21/01/25	7:50AM	00238	00245	7.0KL	
-11-	9:30AM	00245	00252	7.0KL	
-11-	2:45PM	-	-	-	
22.01.25	2:15AM	00252	00258	6.0KL	
-12-	9:00AM	-	-	-	
-11-	9:30AM	-	-	-	
-11-	10:00AM	00258.0	-	-	
23.01.25	5:45AM	00265	00265	7.0KL	
-11-	8:15AM	00271	00271.0	6.0KL	
-11-	9:00AM	-	00277.0	6.0KL	
-11-	8:30h	-	-	-	
24.01.25	5:45AM	00277	00283	-	
24.01.25	10:15AM 2:00PM	00283	00291	6.0KL	
	2:00AM			8.0KL	

Spent Lees flow meters Reading -			Remarks
Initial	Final	Total	
00085.0	—	—	
00085.0	00093.0	8.0KL	
00093.0	00101.0	8.0KL	
—	—	—	
—	—	—	
—	—	—	
—	—	—	
00101.0	00108.0	7.0KL	
00108.0	00116.0	8.0KL	
00116.0	00124.0	8.0KL	
—	—	—	
—	—	—	
—	—	—	
—	—	—	
—	—	—	
00124	00128	4L	
00128	00132	4L	
00132	00139	7L	
—	—	—	
—	—	—	
00139	00143	4.0L	
—	—	—	
00143.0	00147.0	4.0L	
00147.0	00154.0	7.0L	
—	—	—	
—	—	—	
—	—	—	
00154.0	00157.0	3.0L	
00157.0	00161.0	4.0L	
—	—	—	
00161.0	00173.0	12.0KL	

Date	Time	Spenture with flow meter Reading		Total	Remarks
		Initial	Final		
125.01.25	7:30 AM	00291	00304	13.0KL	
126.01.25	8:30 AM	00304	00311	7.0KL	
- 11 -	9:30 AM	00311	00318	7.0KL	
27/1/25	11:15 AM	00318.0	00324	6.0KL	
27/01/25	12:15 PM	00324	00329	5.0KL	
-	-	-	-	-	
28/01/25	6:30 AM	00329	00336	7.0KL	
128/01/25	7:30 AM	00336	00341	5.0KL	
129/1/25	5:15 AM	00341	00346	5.0KL	
129/01/25	7:15 AM	00346	00353.0	7.0KL	
130/01/25	4:45 AM	00353	00360	7.0KL	
-	9:00 AM	-	-	-	
130/01/25	9:30 AM	-	-	-	
30/01/25	10:15 AM	00360.0	00366.0	6.0KL	
31/01/25	3:15 PM	00366.0	00372.0	6.0KL	
32/1/25	8:45 AM	00372.0	00379.0	7.0KL	
01/02/25	8:15 AM	00379	00384	5.0KL	
- 11 -	7:30 AM	00384.0	00391.0	7.0KL	
02/2/25	3:30 AM	00391.0	00397.0	6.0KL	
- 11 -					





Jan 16, 2025 1:21:38 PM  
Kasauli  
Shimla Division  
Himachal Pradesh

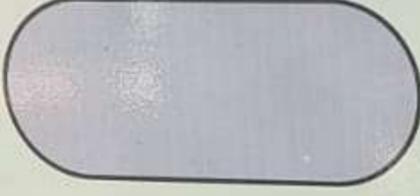




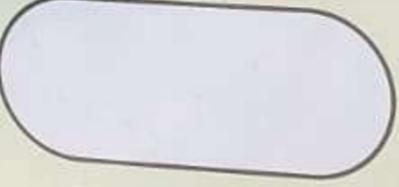
# COLOUR CODING FOR ETP PIPELINE

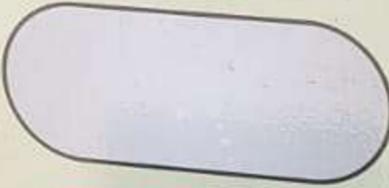
 **WATER**

 **RO. PERMEATE**

 **EFFLUENT**

 **SLUDGE**

 **STEAM**

 **COMPRESSED AIR**

 **R.O. REJECT**

 **METHANE GAS**

 **C.I.P**



STEAM CONDENSATE  
TANK

MR(11)-13

# ANNEXURE - I

## ENVIRONMENTAL DATA

1. NAME OF INDUSTRY : MOHAN MEAKIN LIMITED, KASALI DISTILLERY  
KASALI - 173204, HIMACHAL PRADESH

2. DATE OF UPDATE OF DISPLAY : 24 JAN 2025

3. CONTACT PERSON DETAILS : GAURAV SHARMA  
MANAGER ENGINEERING  
9805633950  
EMAIL ID: kasali@mohanmeakin.com

4. DETAILS OF CONSENT TO OPERATE  
i. AIR AND WATER : CTO/BOTH/RENEW/RO/2021/2950550  
ii. AUTHORIZATION : PWN-159 29-11-2018

5. DETAILS OF OPERATIONAL STATUS : INACTIVE

6. PRODUCTION CAPACITY : 1500 KBL ANNUALLY

7. PRODUCT MANUFACTURING : MALT SPIRIT

8. RAW MATERIAL USED : BARLEY MALT

9. DETAILS OF WASTE GENERATED  
i. SPENT GRAIN : 52 KG. SOLD TO CONTRACTOR OUTSIDE THE STATE FOR CATTLE FEEDING.  
ii. EFFLUENT : 16 M<sup>3</sup> SENT TO EFFLUENT TREATMENT PLANT.

10. DETAILS OF EFFLUENT TREATMENT PLANT  
i. CAPACITY : 150 KLD  
ii. EFFLUENT TREATED QUANTITY : 16M<sup>3</sup>  
iii. MODE OF DISPOSAL OF TREATED EFFLUENT : FEED TO BOILER  
iv. EFFLUENT PARAMETERS :

	INLET	OUTLET
PH	3.5	6.70
BOD	27000 Mg/l	07 mg/l
COD	34000 Mg/l	35 mg/l
TSS	5500 Mg/l	08 mg/l

v. REAL TIME EFFLUENT QUALITY MONITORING SYSTEM STATUS : OPERATIONAL (✓) / NON - OPERATIONAL ( )

11. SOURCES OF AIR POLLUTION  
i. BOILER  
FUEL USED : STEAM COAL AND METHANE GAS GENERATED AT ETP.  
AIR POLLUTION CONTROL DEVICE : OFFLINE PULSE JET BAG FILTER UNIT.  
STACK HEIGHT : 30 METER  
CONTINUOUS EMISSION QUALITY MONITORING SYSTEM STATUS : OPERATIONAL (✓) / NON - OPERATIONAL ( )  
PARAMETERS

PARAMETER	CONCENTRATION
PARTICULATE MATTER	120.28 mg/Nm <sup>3</sup>
CO	0.2 mg/Nm <sup>3</sup>
SO <sub>2</sub>	102.24 mg/Nm <sup>3</sup>
NO <sub>2</sub>	88.20 mg/Nm <sup>3</sup>

ii.) DG SET  
FUEL USED : DIESEL  
PARAMETERS

	125 KVA	400 KVA
PARTICULATE MATTER	0.07 mg/Nm <sup>3</sup>	0.08 mg/Nm <sup>3</sup>
CO	1.4 mg/Nm <sup>3</sup>	1.3 mg/Nm <sup>3</sup>
SO <sub>2</sub>	11.26 mg/Nm <sup>3</sup>	10.32 mg/Nm <sup>3</sup>
NO <sub>2</sub>	1.1 mg/Nm <sup>3</sup>	0.9 mg/Nm <sup>3</sup>

iii.) HAZARDOUS WASTE  
USED OIL GENERATED :  
MODE OF DISPOSAL : Used for authorized recycling

iv.) AMBIENT AIR QUALITY :



### ENVIRONMENTAL DATA

MOHAN MEAKIN LIMITED, KASAU LI DISTILLERY  
KASAU LI - 173204, HIMACHAL PRADESH  
**24 JAN 2025**

1. NAME OF INDUSTRY : MOHAN MEAKIN LIMITED, KASAU LI DISTILLERY  
KASAU LI - 173204, HIMACHAL PRADESH

2. DATE OF UPDATE OF DISPLAY : 24 JAN 2025

3. CONTACT PERSON DETAILS : GAURAV SHARMA  
MANAGER ENGINEERING  
9805633950  
EMAIL ID: kasauli@mohanmeakin.com

4. DETAILS OF CONSENT TO OPERATE : CTO/BOTHRENEWRO/2011/2950550  
PWN-159 29-11-2018

5. DETAILS OF OPERATIONAL STATUS : ACTIVE

6. PRODUCTION CAPACITY : 1500 KBL ANNUALLY

7. PRODUCT MANUFACTURING : MALT SPIRIT  
BARLEY MALT

8. RAW MATERIAL USED : KG. SOLD TO CONTRACTOR OUTSIDE THE STATE FOR CATTLE FEEDING

9. DETAILS OF WASTE GENERATED : 31 M<sup>3</sup> SENT TO EFFLUENT TREATMENT PLANT.

10. DETAILS OF EFFLUENT TREATMENT PLANT : 150 KLD

I. CAPACITY		150 KLD
II. EFFLUENT TREATED QUANTITY		16M <sup>3</sup>
III. MODE OF DISPOSAL OF TREATED EFFLUENT		FEED TO BOILER
IV. EFFLUENT PARAMETERS	INLET	OUTLET
PH	3.5	6.70
BOD	27000 mg/l	67 mg/l
COD	24000 mg/l	35 mg/l
TSS	5500 mg/l	05 mg/l

11. SOURCES OF AIR POLLUTION : OPERATIONAL (✓) / NON - OPERATIONAL ( )

12. REAL TIME EFFLUENT QUALITY MONITORING SYSTEM STATUS : OPERATIONAL (✓) / NON - OPERATIONAL ( )

13. BOILER : STEAM COAL AND METHANE GAS GENERATED AT ETP. OFFLINE PULSE JET BAG FILTER UNIT. OPERATIONAL (✓) / NON - OPERATIONAL ( )

FUEL USED	120.28 mg/m <sup>3</sup>	
AIR POLLUTION CONTROL DEVICE	0.2 mg/m <sup>3</sup>	
STACK HEIGHT	102.34 mg/m <sup>3</sup>	
CONTINUOUS EMISSION QUALITY MONITORING SYSTEM STATUS	35.30 mg/m <sup>3</sup>	
PARAMETERS		
PARTICULATE MATTER		
CO		
SO <sub>2</sub>		
NO <sub>x</sub>		
14) DG SET		
FUEL USED		
PARAMETERS		
PARTICULATE MATTER		
CO		
SO <sub>2</sub>		
NO <sub>x</sub>		
15) HAZARDOUS WASTE USED OIL GENERATED		
MODE OF DISPOSAL		
16) AMBIENT AIR QUALITY		

17. DIESEL : 125 KVA : 400 KVA

	0.07 mg/m <sup>3</sup>	0.08 mg/m <sup>3</sup>
	1.4 mg/m <sup>3</sup>	1.3 mg/m <sup>3</sup>
	11.25 mg/m <sup>3</sup>	10.33 mg/m <sup>3</sup>
	1.1 mg/m <sup>3</sup>	0.9 mg/m <sup>3</sup>

484

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
10:00 hrs.			S9522		42°C	6.55	38°C	7.6	37°C			7.3	25°C	Yes	7.3	25°C	✓						
11:00 hrs.					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
12:00 hrs.					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
13:00 hrs.					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
14:00 hrs.	Abhay Shandilya				✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
15:00 hrs.	Himanshu	P.S.No5	12KL		45°C	6.55	38°C	7.6	37°C			7.3	25°C	Yes	7.3	25°C	✓						
16:00 hrs.					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
17:00 hrs.					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
18:00 hrs.			S9524		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
19:00 hrs.		P.S.No1	8KL		48°C	6.54	38°C	7.6	37°C			7.3	25°C	Yes	7.5	25°C	✓	✓	✓	✓	✓	✓	✓
20:00 hrs.		P.S.No4	12KL		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
21:00 hrs.					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
22:00 hrs.	Jeevan Ram				48°C		38°C		37°C			7.5	25°C	Yes	✓	25°C	✓	✓	✓	✓	✓	✓	✓
23:00 hrs.	Paavleen				✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
24:00 hrs.	Pinku				45°C		38°C		37°C			7.5	25°C	Yes	✓	25°C	✓	✓	✓	✓	✓	✓	✓
01:00 hrs.	Ankush Sharma				✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓						
02:00 hrs.	Caustic Soda		S9556		45°C		38°C		37°C			✓	25°C	Yes	✓	25°C	✓	✓	✓	✓	✓	✓	✓
03:00 hrs.	30Kph.				✓	6.54	✓	7.6	✓			7.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
04:00 hrs.		P.S.No4	12KL		✓	-	✓	-	✓			-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
05:00 hrs.					✓	-	✓	-	✓			-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
06:00 hrs.					45°C	-	38°C	-	37°C			-	25°C	Yes	✓	25°C	✓	✓	✓	✓	✓	✓	✓
07:00 hrs.	Pranishu				✓	-	✓	-	✓			-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
08:00 hrs.	Caustic Soda				✓	-	✓	-	✓			-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
09:00 hrs.	18kg				✓	-	✓	-	✓			-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10:00 hrs.			S9580		✓	-	✓	-	✓			-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11:00 hrs.					45°C	-	38°C	-	37°C			-	25°C	Yes	✓	25°C	✓	✓	✓	✓	✓	✓	✓

NOTE:

69 KL

# ETP-LOG BOOK

Date: 02.07.24

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.			59590		43°C		39°C		37°C			7.5	25°C	yes		7.50	25°C	yes		yes	yes			
02:00 hrs.		P.S.No.5	12KL		48°C	6.90	38°C	7.5	"									yes						
03:00 hrs.					"		"	"	"								"	"						
04:00 hrs.	Bhagindra Singh				"		"	"	"								"	"						
05:00 hrs.	Himanshu Verma				45°C		38°C		37°C			9.5	yes			20	"	"						
06:00 hrs.	caustic soda				"		"	"	"			"	"			"	"	"						
07:00 hrs.	30 kg				"		"	"	"			"	"			"	"	"						
08:00 hrs.			59620		43°C	6.90	38°C	7.5	37°C			7.50	25°C			7.50	25°C							
09:00 hrs.		P.S.No-3	8 KL		45°C	6.90	38°C	7.65	37°C			7.50	25°C	yes		7.50	25°C	yes		✓	✓	✓		
10:00 hrs.					"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
11:00 hrs.		P.S.No-2	8 KL		"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
12:00 hrs.	Abhay Shandilya	P.S.No-4	12 KL		"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
13:00 hrs.	Pooja Thakur				48°C	6.90	38°C	7.65	37°C			7.50	25°C	yes		7.50	25°C	yes		✓	✓	✓		
14:00 hrs.	Ankush Sharma				"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
15:00 hrs.	PINKY				"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
16:00 hrs.			59628		"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
17:00 hrs.					48°C	6.9	38°C	7.65	37°C			7.5	25°C	yes		7.50	25°C	yes		✓	✓	✓		
18:00 hrs.					"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
19:00 hrs.					"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
20:00 hrs.	Dani Verma				"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
21:00 hrs.	caustic soda				48°C	6.9	38°C	7.65	37°C			7.5	25°C	yes		7.50	25°C	yes		✓	✓	✓		
22:00 hrs.	15 kg				"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
23:00 hrs.			59659		"	"	"	"	"			"	"	"		"	"	"		✓	✓	✓		
24:00 hrs.					48°C	6.9	37°C		37°C			7.50	25°C	"		7.5	25°C	"		✓	✓	✓		

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			59659		40c		38c		37c			25c	yes			25c	yes						
01:00 hrs.					"	6.85	"	"	"			"	"			"	"						
02:00 hrs.				3.60	39c		"		"			"	"			"	"						
03:00 hrs.					"		"		"			"	"			"	"						
04:00 hrs.	Bhaginder Singh				"	6.90	38c		37c			25c	"			25c	yes						
05:00 hrs.	Himanshu Verma			3.50	38c		"	2.60	"			"	"			"	"						
06:00 hrs.					"		"		"			"	"			"	"						
07:00 hrs.					"		38c		37c			"	yes			"	"						
08:00 hrs.			59662		"		"		"			25c	"			"	"						
09:00 hrs.				3.60	40c	6.85	38c	7.65	35c			25c	19			21	21						
10:00 hrs.				-	27	-	27	-	27			27	yes			27	27						
11:00 hrs.				-	27	-	27	-	27			27	27			27	27						
12:00 hrs.	Daminder			-	27	-	27	-	27			27	27			25c	yes						
13:00 hrs.	Caustic Soda			3.60	40c	-	38c	-	27			27	27			27	27						
14:00 hrs.	10kg			-	27	-	27	-	27			27	27			27	27						
15:00 hrs.				-	27	-	27	-	27			27	27			27	27						yes
16:00 hrs.			59664	-	27	-	27	-	27			27	27			27	27	yes	yes		yes	yes	yes
17:00 hrs.			P.S.No 5	12 KL	42c		38c		35c			25c	yes			25c	yes		✓	✓		✓	✓
18:00 hrs.					"		"		"			"	"			"	No		✓	✓		✓	✓
19:00 hrs.			P.S.No 4	12 KL	3.60	42c	6.95	38c	35c			25c	yes			25c	yes		-	-		-	-
20:00 hrs.	Jeevan Ram		P.S.No 1	8 KL	"	"	"	"	"			"	"			25c	No		No	No		No	No
21:00 hrs.					40c		38c		35c			25c	yes			"	-						
22:00 hrs.					-		-		-			-	"			"	-						
23:00 hrs.					40c		38c		35c			25c	"			25c	-						
24:00 hrs.			59700																				

NOTE:

# ETP-LOG BOOK

Date. 04/09/24

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			59790	3.8	39°C		37°C		36°C			7.5	24	yes		7.5	23°C	yes					
01:00 hrs.		P.S.NO	8kl		"		"		"				"	"		"	"	"					
02:00 hrs.		3			"		"		"				"	"		"	"	"					
03:00 hrs.				3.8	40°C	6.85	37°C		36°C			7.5	24	"		"	"	"					
04:00 hrs.	Bhadrinder Singh				"		"	7.60	"				"	"		7.5	"	"					
05:00 hrs.	Himanshu Verma.				"		"	"	"				"	"		"	23°C	yes					
06:00 hrs.					38°C		"		36°C				"	"		7.5	"	"					
07:00 hrs.					"		"		"				7.5	24	"	"	"	"					
08:00 hrs.			59760		"		"		"				"	"		"	"	"					
09:00 hrs.				3.80	39°C	6.85	37°C	7.60	36°C			7.5	24	yes		7.5	24	yes					
10:00 hrs.				"	"	"	"	"	"			"	"	"		"	"	"					
11:00 hrs.				"	"	"	"	"	"			"	"	"		"	"	"					
12:00 hrs.	Ajevan Ram			3.70	40°C	6.85	37	7.60	37°C	-	-	7.5	25	yes		7.5	25	yes					
13:00 hrs.	Abhay			"	"	"	"	"	"			"	"	"		"	"	"					
14:00 hrs.	Pinku			"	"	"	"	"	"			"	"	"		"	"	"					
15:00 hrs.	Alham			"	"	"	"	"	"			"	"	"		"	"	"					
16:00 hrs.	Caustic Soda		59742	3.80	38°C	6.86	37°C	7.60	37°C	-	-	7.5	25	yes		7.5	25	yes					
17:00 hrs.	15kgs			"	"	"	"	"	37°C			"	25	"									
18:00 hrs.				"	"	"	"	"	"			"	"	"									
19:00 hrs.				"	"	"	"	"	"			"	"	"									
20:00 hrs.	Dawinder Singh			3.80	38°C	6.86	37°C	7.60	37°C			7.5	"	"									
21:00 hrs.				"	"	"	"	"	"			"	"	yes									
22:00 hrs.				"	"	"	"	"	"			"	"	"									
23:00 hrs.				"	"	"	"	"	"			"	"	"									
24:00 hrs.			59784	3.80	38°C	6.86	37°C	7.60	37°C			7.5	25	"									

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers	PH	Temp.	MBR-2					
00:00 hrs.			59769		35c		37c		37c			3.8	22c	Yes		22c	Yes					
01:00 hrs.																						
02:00 hrs.																						
03:00 hrs.																						
04:00 hrs.	Bhagendra Singh				35c		38c		37c													
05:00 hrs.	Abney Shandilya					6.9		7.6					22c	Yes	7.0	22c	Yes					
06:00 hrs.																						
07:00 hrs.																						
08:00 hrs.					35c		38c		37c													
09:00 hrs.			59790																			
10:00 hrs.					35c		39c		37c			7.5	23c	Yes	7.0	22c	Yes					
11:00 hrs.				3.8																		
12:00 hrs.	Jeevan Ram																					
13:00 hrs.	PARVEEN RO	P.S.No 3	8KL		34c		39c		37c			7.5	23c	Yes	7.0	22c	Yes					
14:00 hrs.	PINKU	P.S.No 2	8KL		97		97		97				97	97		97	97					
15:00 hrs.	ABBAAM				97		97		97				97	97		97	97					
16:00 hrs.	Caustic Soda		59795		97		97		97				97	97		97	97					
17:00 hrs.	15 Kgf.			3.8	34c	6.9	39c	7.5	37c			7.5	23c	Yes	7.0	22c	Yes					
18:00 hrs.					97		97		97				97	97		97	97					
19:00 hrs.					97		97		97				97	97		97	97					
20:00 hrs.	Danidev				97		97		97				97	97		97	97					
21:00 hrs.	Panyoon				97		97		97				97	97	7.0	22c	Yes					
22:00 hrs.					97		97		97				97	Yes	97	97	97					
23:00 hrs.			59844	3.8	34c	6.9	39c	7.5	37c			7.5	23c	97	97	97	97					
24:00 hrs.					97		97		97				97	97		97	97					

NOTE:

# ETP-LOG BOOK

Date..06.07.24.....

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.			AM		36°C		38°C		36°C				22°C	yes			22°C	yes						
02:00 hrs.		P.S.No 5	1214		3.80	39°C	7.0	"	7.70	"		25°C	"	"		7.0	"	"						
03:00 hrs.					"		"		"			"	"	"		"	"	"						
04:00 hrs.	Bhaginder Singh				42°C		38°C		37°C			22°C	yes			22°C	yes							
05:00 hrs.	Himanshu				"		"		"			"	"			"	"							
06:00 hrs.	Caustic Soda 15kg.				40°C		"		"			"	"			"	"							
07:00 hrs.		P.S.No 4	1214		"		38°C		37°C			22°C	yes			22°C	"							
08:00 hrs.			59832		"		"		"			"	"			"	"							
09:00 hrs.		P.S.No 1			42°C		38°C		37°C			25°C	yes			22°C	yes		yes	yes				
10:00 hrs.		GIN	6001214		"		"		"			"	"			"	"		✓	✓				
11:00 hrs.					44°C		38°C		37°C			25°C	yes			22°C	yes		✓	✓				
12:00 hrs.	Jeevan Ram				"		"		"			"	"			"	"		✓	✓				
13:00 hrs.	Abhay				44°C		38°C		37°C			25°C	yes			22°C	yes		✓	✓				
14:00 hrs.	Parveen				"		"		"			"	"			"	"		✓	✓				
15:00 hrs.	Abham				44°C		38°C		37°C			25°C	"			22°C	yes		✓	✓				
16:00 hrs.	Pinku				44		38		37			25	97			"	"		✓	✓				
17:00 hrs.	Caustic Soda		59850		44		38		37			25	97			"	"							
18:00 hrs.	25kg.				44		38		37			25	97			"	"							
19:00 hrs.			P.S.No 5	1214	44°C	7.10	38°C		37°C			25°C	Yes											
20:00 hrs.	Dawinder				44	-	38°C		37			25	97											
21:00 hrs.	Parveen				44	-	37		37			25	97											
22:00 hrs.					44	-	37		37			25	97											
23:00 hrs.			59869		44	-	37		37			25	97											
24:00 hrs.					44°C	-	37		37°C			25°C	97											

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank		MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit		
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.		Blowers	PH	Temp.						MBR-2	
00:00 hrs.			519																					
01:00 hrs.																								
02:00 hrs.																								
03:00 hrs.																								
04:00 hrs.	Bhaginder Singh	P.S.No 4	12KL																					
05:00 hrs.	Himanshu Verma																							
06:00 hrs.	Causex Soda 15KPL																							
07:00 hrs.																								
08:00 hrs.			59896																					
09:00 hrs.																								
10:00 hrs.																								
11:00 hrs.																								
12:00 hrs.	Jeevan Ram	P.S.No 5	12KL																					
13:00 hrs.	Parveen Ram	P.S.No 4	12KL																					
14:00 hrs.	Gaulti Soda	at 3 to 4 hrs																						
15:00 hrs.	20KPL																							
16:00 hrs.			59916																					
17:00 hrs.																								
18:00 hrs.																								
19:00 hrs.																								
20:00 hrs.	Abhay Shandilya																							
21:00 hrs.	Parveen																							
22:00 hrs.																								
23:00 hrs.																								
24:00 hrs.			59931																					

NOTE:

# ETP-LOG BOOK

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			59981	3.70	40°C		38°C		37°C			22°C	Yes	No									
01:00 hrs.				"	"		"		"			"	"	"									
02:00 hrs.				"	"		"		"			"	"	"									
03:00 hrs.				3.70	40°C		38°C		37°C			22°C	Yes	"									
04:00 hrs.	Jeevan Ram			"	"		"		"			"	"										
05:00 hrs.	Caustic Soda	P.S.No 4	12KL		40°C		38°C		37°C			22°C	Yes										
06:00 hrs.	25Kgs				"		"		"														
07:00 hrs.					40°C		38°C		37°C			22°C	Yes										
08:00 hrs.			59949		42°C		38°C		37°C			22°C	"										
09:00 hrs.					"	6.98	39	7.50	39			22	22										
10:00 hrs.		P.S.No 2	8KL	3.70	39		39		39			22	22										
11:00 hrs.		P.S.No 3	8KL		42°C		38°C		37°C			22°C	Yes										
12:00 hrs.	Praveen	P.S.No 1	8KL		39		39		39			22	22										
13:00 hrs.	Praveen	Ganhlath			39		39		39			22	22										
14:00 hrs.					39		39		39			22	22										
15:00 hrs.			59963		42°C		38°C		37°C			22°C	Yes										
16:00 hrs.					39		39		39			22	22		7.02	22°C	Yes						
17:00 hrs.					6.98	11	7.50	11			7.02	11	11		11	11	11						
18:00 hrs.					11		11		11			11	11		11	11	11						
19:00 hrs.					40°C		38°C		37°C			11	11		11	11	11						
20:00 hrs.	Abhay Shandilya				11		11		11			7.02	22°C	Yes	7.02	22°C	Yes						
21:00 hrs.	Himanshu				11		11		11			11	11		11	11	11						
22:00 hrs.	Caustic Soda				11		11		11			11	11		11	11	11						
23:00 hrs.	25kg.	P.S.No-5	12KL		11		11		11			11	11		11	11	11						
24:00 hrs.			59980		48°C	6.98	38°C	7.50	37°C			7.02	22°C	11	7.02	22°C	Yes						

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			59980		45 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2						
01:00 hrs.					))	))	))	))	))			))	))	))		))	))	))						
02:00 hrs.					))	))	))	))	))			))	))	))		))	))	))						
03:00 hrs.					))	))	))	))	))			))	))	))		))	))	))						
04:00 hrs.	Abhay Shandilya				40 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
05:00 hrs.	Himanshu				))	))	))	))	))			))	))	))		))	))	))	✓	✓	✓			
06:00 hrs.					))	))	))	))	))			))	))	))		))	))	))	✓	✓	✓			
07:00 hrs.					))	))	))	))	))			))	))	))		))	))	))						
08:00 hrs.			59995		38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
09:00 hrs.					38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
10:00 hrs.		P.S.No3			38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
11:00 hrs.		P.S.No2			38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
12:00 hrs.	Navinder Singh				38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
13:00 hrs.	Caustic Soda 15kg				38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
14:00 hrs.					38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
15:00 hrs.			6015		38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
16:00 hrs.			60019		38 <sup>o</sup> C	6.98	38 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
17:00 hrs.					42 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
18:00 hrs.		P.S.No 4	12KL		44 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
19:00 hrs.					44 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
20:00 hrs.	Bhaginder Singh				44 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
21:00 hrs.	Parveen Kumar				44 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
22:00 hrs.	Caustic Soda 20kg				42 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
23:00 hrs.					42 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			
24:00 hrs.			60042		42 <sup>o</sup> C	7.0	39 <sup>o</sup> C	7.50	37 <sup>o</sup> C			7.02	22 <sup>o</sup> C	Y-2		7.02	22 <sup>o</sup> C	Y-2	✓	✓	✓			

NOTE:

# ETP-LOG BOOK

Date 10.7.05

61KL

493

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			60042		41°C	7.01	39°C		37°C		7.2	22°C	Yes											
01:00 hrs.					"	"	"	"	"	"	"	"	"											
02:00 hrs.					41°C	"	39°C		37°C		"	22°C	Yes											
03:00 hrs.		P.S.No 5	12KL		"	"	"	"	"	"	"	"	"											
04:00 hrs.	Teevan Ram				44°C	"	39°C		37°C		"	22°C	Yes											
05:00 hrs.	Caustic Soda				"	7.26	"	"	"	"	"	"	"											
06:00 hrs.	20Kgs.				44°C	"	39°C		37°C		"	22°C	Yes											
07:00 hrs.					"	"	"	"	"		7.09	"	"											
08:00 hrs.			60063		43°C	"	39°C		37°C		"	22°C	Yes											
09:00 hrs.					99	-	99	7.15	99		-	99	99											
10:00 hrs.		P.S.No 3	81KL		99	-	99	-	99		-	99	99											
11:00 hrs.					99	-	99	-	99		-	99	99											
12:00 hrs.	Massimaran Singh				43°C	7.26	39°C	-	37°C		-	22°C	Yes											
13:00 hrs.	Caustic 100kg		P.S.No 1	81KL	99	-	99	-	99		-	99	99											
14:00 hrs.					99	-	99	-	99		-	99	99											
15:00 hrs.			60078		99	-	99	-	99		-	99	99											
16:00 hrs.					99	-	99	-	99		-	99	99											
17:00 hrs.					"	"	"	"	"		"	Yes	"								Yes	Yes		
18:00 hrs.		P.S.No 4	12KL		43°C	"	39°C		37°C		"	22°C	Yes											
19:00 hrs.					"	"	"	"	"		"	"	"											
20:00 hrs.	Bhaginder Singh			3.80	"	7.00	"	7.40	"		"	"	"											
21:00 hrs.	Farween Khatun				45°C	"	40°C		37°C		"	22°C	Yes											
22:00 hrs.	Caustic soda				"	"	"	"	"		"	"	"											
23:00 hrs.	20Kgs.				43°C	"	"		37°C		-	22°C	"											
24:00 hrs.			60103		"	"	"	"	"		-	"	"											

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			60103		40°C	7.01	39°C	7.50	37°C			7.2	22°C	yes										
01:00 hrs.					"	"	"	"	"			"	"	"										
02:00 hrs.					"	"	"	"	"			"	"	"										
03:00 hrs.					40°C	"	39°C	"	37°C			7.2	22°C	yes										
04:00 hrs.	Jeevam Ram	P.S.No 5	12 KL		"	"	"	"	"			"	"	"										
05:00 hrs.	Caustic Soda				45°C	"	39°C	7.50	37°C			"	22°C	yes										
06:00 hrs.	18 Kgs				"	"	"	"	"			"	"	"										
07:00 hrs.					44°C	7.02	39°C		37°C			"	22°C	yes										
08:00 hrs.			60120		"	"	"	"	"			"	"	"										
09:00 hrs.					"	"	"	"	"			"	"	"										
10:00 hrs.					44°C	"	39°C	"	37°C			"	22°C	yes										
11:00 hrs.		Drinking Water	700 Lt		"	"	"	"	"			"	"	"										
12:00 hrs.	Darshinder Singh	Drinking Water	150 Lt		"	7.02	"	7.50	"			7.2	"	"										
13:00 hrs.	Caustic Soda	P.S.No 4	12		"	"	"	"	"			"	"	"										
14:00 hrs.	16 Kgs	P.S.No 2	8 KL		44°C	"	39°C	"	37°C			"	22°C	yes										
15:00 hrs.		P.S.No 3	8 KL		"	"	"	"	"			"	"	"										
16:00 hrs.			60135		"	"	"	"	"			"	"	"										
17:00 hrs.			60145		"	"	39°C	"	"			"	"	"										
18:00 hrs.		Store			40°C	"	"	"	"			"	"	"										
19:00 hrs.		effluent			"	"	"	7.60	37°C			7.20	22°C	yes										
20:00 hrs.	Shreyasda Singh	received			"	6.90	"	"	"			"	"	"										
21:00 hrs.	Himanshu	Not still.			3.75	39°C		3.80	"			"	"	"										
22:00 hrs.	Caustic Soda				"	"	"	"	37°C			"	"	"										
23:00 hrs.	20 Kgs.				"	"	"	"	"			"	22°C	yes										
24:00 hrs.			60170		"	"	39°C	"	"			"	"	"										

NOTE:

495

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			60170		38°C		39°C		37°C			22°C	Yes										
01:00 hrs.					"		"		"			"	"										
02:00 hrs.					38°C		39°C		37°C			22°C	"										
03:00 hrs.				3.75	"		"		"			"	"										
04:00 hrs.	Teevam Ram				38°C		39°C		37°C			22°C	Yes										
05:00 hrs.	Abhay	P.S.No 5	12KL		"		"		"			"	"										
06:00 hrs.	Caustic Soda				44°C		39°C		37°C			22°C	Yes										
07:00 hrs.	Caustic Soda				"	7.02	"		"			"	"										
08:00 hrs.			60183		46°C		39°C		37°C			22°C	Yes										
09:00 hrs.				3.76	99	-	99	7.50	99		7.20	99	99										
10:00 hrs.					99	-	99	-	99			99	99										
11:00 hrs.					99	-	99	-	99			99	99										
12:00 hrs.	Dawinder Singh				46°C		39°C		37°C			22°C	Yes										
13:00 hrs.	Caustic Soda				99	-	99	-	99			99	99										
14:00 hrs.	15 kg	P.S.No 4	12KL		99	-	99	-	99			99	99										
15:00 hrs.			60186		99	-	99	-	99			99	99										
16:00 hrs.					99	-	99	-	99			99	99										
17:00 hrs.					42°C		39°C		37°C			22°C	Yes							Yes	Yes		
18:00 hrs.					"		"		"		7.20	"	"										
19:00 hrs.				3.75	"	7.10	"		"			"	"										
20:00 hrs.	Bhaginder Singh				40°C		39°C		37°C			"	"	7.20	2.20	Yes							
21:00 hrs.	Parveen Kumar				"		"		"			2.20	Yes										
22:00 hrs.					"		"		"			"	"										
23:00 hrs.							39°C		37°C			"	"										
24:00 hrs.			60203									"	"										

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.												22°C	yes		7.20	22°C	yes							
01:00 hrs.								7.50																
02:00 hrs.												22°C	yes											
03:00 hrs.		P.S.No5	12KL	3.75		7.02																		
04:00 hrs.	Jeevan Ram											22°C	yes		7.20	22°C	✓							
05:00 hrs.	Himamali																							
06:00 hrs.												22°C	yes											
07:00 hrs.								7.50																
08:00 hrs.			60213			7.02	39°C		37°C			22°C	yes											
09:00 hrs.												22	22											
10:00 hrs.		P.S.No9	8KL									22	22											
11:00 hrs.		P.S.No3	8KL									22	22											
12:00 hrs.	Devindrasingh	P.S.No4	12KL			7.02	39°C	7.50	37°C			22°C	yes		7.20	22°C	✓							
13:00 hrs.	Caustic Soda	P.S.No2	8KL									22	22											
14:00 hrs.	25kg		60235									22	22											
15:00 hrs.												22	22											
16:00 hrs.												22	22											
17:00 hrs.												22°C	yes		7.2	22°C	yes							
18:00 hrs.																								
19:00 hrs.	Bhaginder Singh			3.80		7.0		7.50																
20:00 hrs.	Harjeet Kumar																							
21:00 hrs.	Caustic Soda											22°C	yes											
22:00 hrs.	20 kgs																							
23:00 hrs.																								
24:00 hrs.			60262																					

NOTE:

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Urtd
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			60762		41°C	670	39°C	7.10	37°C			7.05	21°C	yes		7.05	21°C						
01:00 hrs.				3.45	"	"	"	"	"			"	"	"		"	"						
02:00 hrs.		P.S.No5	12KL		41°C	"	39°C	"	37°C			"	21°C	yes.		"	21°C						
03:00 hrs.					"	"	"	"	"			"	"			"	"						
04:00 hrs.	Jeevan Ram				41°C	670	39°C	7.10	37°C			7.05	21°C	yes		7.05	21°C						
05:00 hrs.	Caustic Soda				"	"	"	"	"			"	"			"	"						
06:00 hrs.	20Kgs.				40°C	"	39°C	"	37°C			"	21°C	yes		"	21°C						
07:00 hrs.				3.45	"	"	"	"	"			"	"	"		"	"						
08:00 hrs.			60280		40°C	"	39°C	7.10	37°C			7.05	21°C	yes		7.05	21°C						
09:00 hrs.					38°C	670	"	"	"			"	"	"		"	"						
10:00 hrs.					"	"	"	"	"			"	"	"		"	"						
11:00 hrs.					"	"	"	"	"			"	"	"		"	"						
12:00 hrs.	Abhay Shandilya	P.S.No-4	12KL		46°C	"	39°C	7.10	37°C			7.05	21°C	yes		7.05	21°C						
13:00 hrs.	Himanshu				46°C	670	39°C	7.10	37°C			7.05	21°C	"		7.05	21°C						
14:00 hrs.	Caustic 10 kg				"	"	"	"	"			"	"	"		"	"						
15:00 hrs.					"	"	"	"	"			"	"	"		"	"						
16:00 hrs.			60290		44°C	670	39°C	7.10	37°C			7.05	21°C	"		7.05	21°C						
17:00 hrs.					"	"	"	"	"			"	"	"		"	"						
18:00 hrs.					"	"	"	"	"			"	"	"		"	"						
19:00 hrs.					40°C	"	39°C	"	37°C			7.05	21°C	yes.		7.05	21°C						
20:00 hrs.	Dhagindra Singh			3.70	"	"	"	"	"			"	"	"		"	"						
21:00 hrs.	Paween Kumar				"	"	"	"	"			"	"	"		"	"						
22:00 hrs.	Caustic Soda	P.S.No5	12KL		44°C	"	39°C	"	37°C			"	"	"		"	"						
23:00 hrs.	20Kgs.				"	"	"	"	"			21°C	yes.		"	"							
24:00 hrs.			60312		"	"	"	"	"			"	"	"		"	"						

NOTE:

70 KL

# ETP-LOG BOOK

Date: 15.07.19

498

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.45	41°C	6.70	39°C	7.10	37°C			7.02	22°C	Yes		7.02	22°C						
01:00 hrs.				-	99	-	99	-	99			-	99	99		"	"						
02:00 hrs.				-	99	-	99	-	99			-	99	99		"	"						
03:00 hrs.				-	99	-	99	-	99			-	99	99		"	"						
04:00 hrs.	Darshiden			-	99	-	99	-	99			-	99	99		7.02	22°C						
05:00 hrs.				-	41°C	-	39°C	-	37°C			-	22°C	99		"	"						
06:00 hrs.		D.S.No4	121KL	-	99	-	99	-	99			-	99	99		"	"						
07:00 hrs.			60340	-	99	-	99	-	99			-	99	99		"	"						
08:00 hrs.					99	-	99	-	99			-	99	99		7.02	22°C						
09:00 hrs.	(in place Jeevan)			3.45	42°C	6.70	39°C	7.10	37°C			-	22°C	Yes		"	"						
10:00 hrs.		D.S.No3	81KL	-	99	-	99	-	99			7.02	99	99		"	"						
11:00 hrs.		(COT) D.S.No1	81KL	-	99	-	99	-	99			-	99	99		"	"						
12:00 hrs.	Darshiden Singh			-	99	-	99	-	99			-	99	99		7.02	22°C						
13:00 hrs.	Caustic Soda			-	42°C	-	39°C	-	37°C			-	22°C	Yes		"	"						
14:00 hrs.	20kg	D.S.No5	121KL	-	99	-	99	-	99			-	99	99		"	"						
15:00 hrs.	Praveen Kumar		60362	-	99	-	99	-	99			-	99	99		"	"						
16:00 hrs.	Pinku Rana			-	99	-	99	-	99			-	99	99		7.02	22°C						
17:00 hrs.	Ashane			3.45	42°C	6.70	39°C	7.10	37°C			7.02	22°C	Yes		"	"						
18:00 hrs.	Ansu Sharma			"	"	"	"	"	"			"	"	"		"	"						
19:00 hrs.				"	"	"	"	"	"			"	"	"		"	"						
20:00 hrs.				"	"	"	"	"	"			"	"	"		7.02	22°C						
21:00 hrs.	Abhay Shandhyar			3.45	40°C	6.70	39°C	7.10	37°C			7.02	22°C	Yes		"	"						
22:00 hrs.	Himanshu			"	"	"	"	"	"			"	"	"		"	"						
23:00 hrs.	Caustic 20kg			"	"	"	"	"	"			"	"	"		"	"						
24:00 hrs.			60382	"	"	"	"	"	"			"	"	"		"	"						

NOTE:

# ETP-LOG BOOK

58XL

Date: 15.7.2011

499

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.45	42°C	6.9	39°C	7.02	37°C			7.2	22°C	Yes									
01:00 hrs.				-	99		99	-	99			-	99	99									
02:00 hrs.				-	99		99	-	99			-	99	99									
03:00 hrs.				-	99		99	-	99			-	99	99									
04:00 hrs.	Daavinder			-	99		99	-	99			-	99	99									
05:00 hrs.	Caustic Soda	P.S.No.4	12KL	-	42°C		39°C	-	37°C			-	22°C	99									
06:00 hrs.	12kg			-	99		99	-	99			-	99	99									
07:00 hrs.			60398	-	99		99	-	99			-	99	99									
08:00 hrs.				-	99		99	-	99			-	99	99									
09:00 hrs.					"		"		37°C				22°C	Yes									
10:00 hrs.	Abhijinder Singh	P.S.No.3	8KL		39°C		39°C		"				"	"									
11:00 hrs.	Israr Bamea	P.S.No.2	8KL		"		"		"				"	"									
12:00 hrs.	Ankur Shamir	P.S.No.5	12KL	3.70	48°C	7.0	7.0	7.0	37°C			7.20	22°C	"									
13:00 hrs.	Pavleen Verma				"		"		"				"	"									
14:00 hrs.					44°C		"		"				"	Yes									
15:00 hrs.					"		38°C		37°C				"	"									
16:00 hrs.			60425		"		"		"				22°C		7.10	22°C	✓						
17:00 hrs.					40°C	7.0	38°C	7.10	37°C			7.10	22°C		"	"	✓						
18:00 hrs.					"	"	"	"	"			"	"		"	"	✓						
19:00 hrs.					"	"	"	"	"			"	"		"	"	✓	✓	✓	✓	✓	✓	✓
20:00 hrs.	Abhay Shandilya				"	"	"	"	"			"	"		7.10	22°C	✓	✓	✓	✓	✓	✓	✓
21:00 hrs.	Himan Shy				38°C	7.0	38°C	7.10	37°C			7.10	22°C		"	"	✓	✓	✓	✓	✓	✓	✓
22:00 hrs.					"	"	"	"	"			"	"		"	"	✓	✓	✓	✓	✓	✓	✓
23:00 hrs.					"	"	"	"	"			"	"		"	"	✓	✓	✓	✓	✓	✓	✓
24:00 hrs.			60440		"	"	"	"	"			"	"		7.10	22°C							

NOTE:

65KL

# ETP-LOG BOOK

Date: 17.7.12

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.45	42°C	6.9	39°C	7.0	37°C			7.2	22°C	Yes									
01:00 hrs.				-	99	-	99	-	99			-	99	99									
02:00 hrs.				-	99	-	99	-	99			-	99	99									
03:00 hrs.				-	99	-	99	-	99			-	99	99									
04:00 hrs.	Darindan	P.S.No 1	12KL	-	99	-	99	-	99			-	99	99									
05:00 hrs.	caustic soda			-	42°C	-	39°C	-	37°C			-	22°C	Yes									
06:00 hrs.	13Kg			-	99	-	99	-	99			-	99	99									
07:00 hrs.			60450	-	99	-	99	-	99			-	99	99									
08:00 hrs.				-	99	-	99	-	99			-	99	99									
09:00 hrs.		P.S.No 5	12KL		45°C		39°C		37°C				22°C	Yes									
10:00 hrs.					"		"		"				"	"									
11:00 hrs.		P.S.No 3	8KL		47°C	6.80	40°C	7.5	"			7.0	"	"									
12:00 hrs.	Bhaginder Singh	P.S.No-1	8KL		"		"		37°C				22°C	Yes									
13:00 hrs.	Devender Sharma				"		"		"				"	"									
14:00 hrs.	Ankush Jahan				46°C		39°C		"				"	"									
15:00 hrs.	Pinku				"		"		37°C				22°C	"									
16:00 hrs.	Caustic soda 20kg		60480	-	"	-	"	-	"			-	"	"									
17:00 hrs.				-	46°C		39°C		37°C				22°C	Yes									
18:00 hrs.				-	"		"		"				"	"									
19:00 hrs.	Mimansa			3.45	46°C		39°C		37°C				22°C	Yes									
20:00 hrs.	Teevan Ram			-	"		"	7.0	"			7.2	"	"									
21:00 hrs.	Caustic Soda			-	42°C		39°C		37°C				22°C	Yes									
22:00 hrs.	20kg			-	"		"		"				"	"									
23:00 hrs.		P.S.No 4	12KL	-	40°C		39°C		37°C				22°C	Yes									
24:00 hrs.			60505	-	"		"		"				"	"									

NOTE:

Thrus

(1-07-24-17-7-24) → 983KL

# ETP-LOG BOOK

60KL

Date: 18.7.23

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.42	42°C	6.68	39°C	7.02	37°C			7.00	22°C	Yes									
01:00 hrs.				-	91	-	91	-	91			-	91	91									
02:00 hrs.				-	91	-	91	-	91			-	91	91									
03:00 hrs.				-	91	-	91	-	91			-	91	91									
04:00 hrs.	Darinder Singh			-	91	-	91	-	91			-	91	91									
05:00 hrs.	Caustic Soda			-	42°C	-	39°C	-	37°C			-	22°C	Yes									
06:00 hrs.	lolay			-	91	-	91	-	91			-	91	91									
07:00 hrs.			60517	-	91	-	91	-	91			-	91	91									
08:00 hrs.		P.S.No.5	12KL	-	91	-	91	-	91			-	91	91									
09:00 hrs.		P.S.No.2	8KL		42°C		40°C		37°C				22°C	Yes									
10:00 hrs.	Bhaginder Singh	P.S.No.3	8KL		"		"		"				"	"									
11:00 hrs.	Adeed Shandil			3.60	"	6.95	"	7.70	"			7.00	"	"									
12:00 hrs.	Ankur Sharma				44°C		40°C		"				22°C	Yes									
13:00 hrs.	Taran Verma				"		"		"				"	"									
14:00 hrs.	Pinku Rana				"		"		"				"	"									
15:00 hrs.	Caustic Soda				42°C		40°C		37°C				22°C	"									
16:00 hrs.	20Kgs.		60548		"		"		"				"	"									
17:00 hrs.					42°C		40°C		37°C				23°C	Yes									
18:00 hrs.					"		"		"				"	"									
19:00 hrs.					42°C		40°C		37°C				23°C	Yes									
20:00 hrs.	Caustic Soda	P.S.No.4	12KL		"		"	7.15	"			7.50	"	"									
21:00 hrs.	20Kgs.	at 8.25pm			48°C		40°C		37°C				23°C	Yes									
22:00 hrs.	Tecum Ram				"		"		"				"	"									
23:00 hrs.	Himanshu		60565		44°C		"		37°C				23°C	Yes									
24:00 hrs.					"		40°C		"				"	"									

NOTE:

F9U

52KL

# ETP-LOG BOOK

Date..19-7-14

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.				3.45	43c	69	39c	7.2	37c			7.0	22c	Yes										
01:00 hrs.				-	41	-	37	-	37			-	29	97										
02:00 hrs.				-	41	-	37	-	37			-	29	97										
03:00 hrs.				-	41	-	37	-	37			-	29	97										
04:00 hrs.	Davidson			-	43c	-	39c	-	37			-	22c	Yes										
05:00 hrs.	Caustic Soda			-	41	-	37	-	37c			-	29	97										
06:00 hrs.	121Kg	P.S.No.1	12KL	-	41	-	37	-	-			-	29	97										
07:00 hrs.				-	41	-	37	-	-			-	29	97										
08:00 hrs.			60581	-	41	-	39c	-	-			-	29	97										
09:00 hrs.					42c		"		37c				22c	Yes										
10:00 hrs.					"		"		"				"	"										
11:00 hrs.	Bhagwati Singh			3.50	"	6.80	39c	"	"			"	"	"										
12:00 hrs.	Dambankumar	P.S.No.2	2KL		45c		"	7.70	37c			7.4	"	"										
13:00 hrs.	Ankur	P.S.No.3	2KL		"		"	"	"				22c	Yes										
14:00 hrs.	Ishan Janna				"		"	"	"				"	"										
15:00 hrs.	Dipku Rama				43c		40c		37c				"	"										
16:00 hrs.	Caustic Soda 15kg	P.S.No.1	6.595		"		"		"				"	"										
17:00 hrs.		P.S.No.2	8KL		45c		40c		37c			7.00	22c	Yes										
18:00 hrs.					"		"		"				"	"										
19:00 hrs.					45c		40c		37c				22c	Yes										
20:00 hrs.	Jeevan Ram				"		"		"				"	"										
21:00 hrs.	Ashay				45c		40c		37c				22c	Yes										
22:00 hrs.	Caustic Soda				"		"		"				"	"										
23:00 hrs.	15kg				43c		40c		37c				22c	Yes										
24:00 hrs.			60617		"		"		"				"	"										

NOTE:

Sat

54 KL

## ETP-LOG BOOK

Date 20.07.15

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			60617	3.45	47°C	6.9	39°C	7.5	37°C			7.2	22°C	Yes									
01:00 hrs.				-	47	-	39	-	37			-	22	Yes									
02:00 hrs.				-	47	-	39	-	37			-	22	Yes									
03:00 hrs.				-	47	-	39	-	37			-	22	Yes									
04:00 hrs.	Darindan Singh			3.45	47°C	6.9	39°C	7.5	37°C			7.2	22°C	Yes									
05:00 hrs.	Abhay	P.S.No.5	1215L	-	47	-	39	-	37			-	22	Yes									
06:00 hrs.				-	47	-	39	-	37			-	22	Yes									
07:00 hrs.			60635	-	47	-	39	-	37			-	22	Yes									
08:00 hrs.				-	47	-	39	-	37			-	22	Yes									
09:00 hrs.					43°C		38°C		37°C				22°C	Yes									
10:00 hrs.	Bhuganda Singh				"		"		"				"	Yes									
11:00 hrs.	Pankaj Kumar			380	"	7.7	"	7.5	"				"	Yes									
12:00 hrs.	Ankur Sharma				"		38		37				"	Yes									
13:00 hrs.	Rohan Verma												38	Yes									
14:00 hrs.	Pinku Rana	P.S.No.3	2KL										"	Yes									
15:00 hrs.	Caustic Soda	P.S.No.4	12KL		45°C				37				"	Yes									
16:00 hrs.	15Kgs-		60655		"		38°C		37				38	Yes									
17:00 hrs.					43°C		38°C		37°C				22°C	Yes									
18:00 hrs.					"		"		"				"	Yes									
19:00 hrs.					43°C		38°C		37°C				22°C	Yes									
20:00 hrs.	Jeevan Ram				"		"		"				"	Yes									
21:00 hrs.	Himanshu				40°C		38°C		37°C				22°C	Yes									
22:00 hrs.	Caustic Soda				"		"		"				"	Yes									
23:00 hrs.	25Kgs				40°C		38°C		37°C				22°C	Yes									
24:00 hrs.			60676		"		"		"				"	Yes									

NOTE:



Sun

38 KL

# ETP-LOG BOOK

Date 21-11-24

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			60671	-	-	7.0	38°C	7.75	37°C	-	-	7.2	22°C	Yes		7.2	22°C	-					
01:00 hrs.				-	-	"	"	"	"			"	"	"		"	"						
02:00 hrs.		P.S.No-5	12KL	3.8	45°C	"	"	"	"			"	"	"		"	"						
03:00 hrs.				"	"	"	"	"	"			"	"	"		"	"						
04:00 hrs.	Abhay Shanaiya			"	"	7.0	38°C	7.75	37°C			7.2	22°C	Yes		7.2	22°C						
05:00 hrs.				3.8	43°C	"	"	"	"			"	"	"		"	"						
06:00 hrs.	Caustic 10kg.			"	"	"	"	"	"			"	"	"		"	"						
07:00 hrs.				"	"	"	"	"	"			"	"	"		"	"						
08:00 hrs.			60678	3.8	40°C	7.0	38°C	7.75	37°C			7.2	22°C	Yes		7.2	22°C						
09:00 hrs.				"	"	"	"	"	"			"	"	"		"	"						
10:00 hrs.				"	"	"	"	"	"			"	22°C	Yes		"	"						
11:00 hrs.				"	39°C	"	"	"	"			"	"	"		"	"						
12:00 hrs.	Bhaginda Singh			3.75	"	6.95	39°C	7.00	37°C			"	"	"		"	"						
13:00 hrs.	Pooveen kumar	P.S.No 4	12KL	"	46°C	"	"	"	"			"	"	"		"	"						
14:00 hrs.	Caustic soda			"	"	"	"	"	"			22°C	Yes		7.20	22°C							
15:00 hrs.	20KGS.			"	43°C	"	"	3.7	"			"	"	"		"	"						
16:00 hrs.			60702	"	"	"	"	"	"			"	"	"		"	"						
17:00 hrs.				"	"	"	"	"	"			"	"	"		7.20	"						
18:00 hrs.				"	42°C	"	39°C	"	37°C			"	22°C	Yes		"	22°C						
19:00 hrs.				"	"	"	"	"	"			"	"	"		"	"						
20:00 hrs.	Jeevan Ram			"	42°C	"	39°C	"	37°C			"	22°C	Yes		"	22°C						
21:00 hrs.	Himanshu			"	"	"	"	"	"			"	"	"		"	"						
22:00 hrs.		P.S.No 5	12KL	"	42°C	"	39°C	"	37°C			"	22°C	Yes		"	22°C						
23:00 hrs.				"	"	"	"	"	"			"	"	"		"	"						
24:00 hrs.			60707	"	42°C	"	39°C	"	37°C			"	22°C	Yes		"	22°C						

NOTE:

Mon

53KL

# ETP-LOG BOOK

22/11

Date... 22-11-2024

505

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			60707	3.75	40°C	6.95	38°C	7.80	35°C	-	-	7.00	22°C	Yes		7.00	22°C						
01:00 hrs.				11	11	11	11	11	11			11	11	11		11	11						
02:00 hrs.				11	11	11	11	11	11			11	11	11		11	11						
03:00 hrs.				11	11	11	11	11	11			11	11	11		11	11						
04:00 hrs.	Abhay Shandilya			3.75	38°C	6.95	38°C	7.80	35°C			7.00	22°C	Yes		7.00	22°C						
05:00 hrs.				11	11	11	11	11	11			11	11	11		11	11						
06:00 hrs.				11	11	11	11	11	11			11	11	11		11	11						
07:00 hrs.				11	11	11	11	11	11			11	11	11		11	11						
08:00 hrs.			60712	3.75	38°C	6.95	38°C	7.80	35°C			7.00	22°C	Yes		7.00	22°C						
09:00 hrs.				P.S.No 1 8KL	11	11	11	11	11			11	11	11		11	11						
10:00 hrs.				P.S.No 2 8KL	3.74	38°C	6.96	38°C	7.80	35°C		7.00	22°C	Yes		7.00	22°C						
11:00 hrs.				P.S.No 3 8KL	11	11	11	11	11			11	11	11		11	11						
12:00 hrs.	Jeevan Ram			P.S.No 4 12KL	4.2	38°C	35°C					22°C	Yes		22°C	22°C							
13:00 hrs.	Shaan				11	11	11	11	11			7.00	11	11		11	11						
14:00 hrs.	Ankur				4.2	38°C	35°C					22°C	Yes		22°C	22°C							
15:00 hrs.					11	11	11	11	11			11	11	11		11	11						
16:00 hrs.	Caustic Soda 18 Kgs.		50737		11	11	11	11	11			11	11	11		11	11						
17:00 hrs.					11	11	11	11	11			11	11	Yes		11	11						
18:00 hrs.					11	11	11	11	11			11	11	11		11	11						
19:00 hrs.					4.2	38°C	35°C					11	11	11		11	11						
20:00 hrs.	Darinder				11	11	11	11	11			11	11	11		11	11						
21:00 hrs.	Danyee Kumar			P.S.No 5 12KL	11	11	11	11	11			11	11	11		11	11						
22:00 hrs.	Caustic Soda				11	11	11	11	11			11	11	11		11	11						
23:00 hrs.	15 Kgs.		60760		11	11	11	11	11			11	11	11		11	11						
24:00 hrs.					11	11	11	11	11			11	11	11		11	11						

NOTE:

WED.

50KL  
20-42 x 2

# ETP-LOG BOOK

Date... 21.11.2018

506

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			60808		410c		40c		37c			2.5c	yes			22c								
01:00 hrs.					"		"		"			"	"			"								
02:00 hrs.					"		"		"			"	"			"								
03:00 hrs.				3.8c	40c		"	7.25	"			"	"			"								
04:00 hrs.	Bhagjinda Singh				"	6.90	"	"	"			"	yes			"								
05:00 hrs.					46c		40c		37c			2.5c	"			22c								
06:00 hrs.	Caustic soda		P.S.No-3		"		"		"			"	"		7.0	"								
07:00 hrs.	15 Kgs.				"		"		"			"	"			"								
08:00 hrs.			60822	3.89	44c	6.00	40c	7.60	37c			"	yes			"								
09:00 hrs.				"	"	"	43c	"	38c	-	-	7.5	22	yes	-	7.5	22	yes	yes	yes	yes	yes	yes	
10:00 hrs.				"	"	"	"	"	"	-	-	"	"	yes	-	7.5	"	yes	yes	yes	yes	yes	yes	gas
11:00 hrs.	Dumendra			3.89	"	"	"	"	"	-	-	"	"	yes	-	"	"	yes	yes	yes	yes	yes	yes	blowing
12:00 hrs.				"	"	"	"	"	"	-	-	"	"	yes	-	"	"	yes	yes	yes	yes	yes	yes	3 hrs
13:00 hrs.		P.S.No-3	8XL	"	"	"	"	"	"	-	-	"	"	yes	-	"	"	yes	yes	yes	yes	yes	yes	
14:00 hrs.		P.S.No-2	8XL	"	"	"	"	"	"	-	-	"	"	yes	-	"	"	yes	yes	yes	yes	yes	yes	
15:00 hrs.		P.S.No-5		"	"	"	"	"	"	-	-	"	"	yes	-	"	"	yes	yes	yes	yes	yes	yes	
16:00 hrs.			60833	3.90	48c	6.5	44c	7.61	38	-	-	7.5	22	yes	-	7.5	22	yes	yes	yes	yes	yes	yes	
17:00 hrs.				"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	
18:00 hrs.				"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	
19:00 hrs.				"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	
20:00 hrs.	Bhagjinda Singh			3.9	46c	6.5	43c	7.4	38c			7.5	22c	yes	-	"	22c	yes	yes	yes	yes	yes	yes	
21:00 hrs.	Farveer			"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	
22:00 hrs.				"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	
23:00 hrs.			60858	"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	
24:00 hrs.				"	"	"	"	"	"			"	"			"	"	yes	yes	yes	yes	yes	yes	

NOTE:

True

62 KL

# ETP-LOG BOOK

Date... 25.07.24 119

Time	Man on Duty	Effluent Recd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			60858		39°C		39°C		37°C			22°C	Yes			22°C	clear						
01:00 hrs.					"		"		"			"	"			"							
02:00 hrs.					"		"		"			"	"			"							
03:00 hrs.				385	"	690	"	"	"			"	"			"							
04:00 hrs.	Bhagjinder Singh				40°C		39°C	775	37°C			22°C	Yes			22°C							
05:00 hrs.					"		"		"			"	"			"							
06:00 hrs.		P.S.No.4	12KL		45°C		39°C		"			"	"			"							
07:00 hrs.					"		"		"			"	"			"							
08:00 hrs.			60880																				
09:00 hrs.		GIN	500liters		46°C		39°C		37°C			22°C	Yes			22°C							
10:00 hrs.					"		"		"			"	"			"							
11:00 hrs.		P.S.No.1	2KL ✓		"		"		"			"	"			"							
12:00 hrs.	Jeevan Ram	P.S.No.3	8KL ✓		46°C		39°C		37°C			22°C	Yes			22°C							
13:00 hrs.	Himansu	P.S.No.2	8KL ✓		"		"		"			"	"			"							
14:00 hrs.	Pinku	P.S.No.5	12KL ✓		46°C	690	39°C		37°C			22°C	Yes			22°C							
15:00 hrs.	Jagan				"		"	775	"			"	"			"							
16:00 hrs.	Ankush		60900		46°C		39°C		37°C			22°C	Yes			22°C							
17:00 hrs.	Caustic Soda				47		47		47			47	47			47							
18:00 hrs.	15Kgs.				47		47		47			47	47			47							
19:00 hrs.					47		47		47			47	47			47							
20:00 hrs.	Devi. Jous Singh.				47		47		47			47	47			47							
21:00 hrs.	Abhay				46°C		39°C		37°C			22°C	Yes			22°C							
22:00 hrs.					47		47		47			47	47			47							
23:00 hrs.			60920		47		47		47			47	47			47							
24:00 hrs.					47		47		47			47	47			47							

NOTE:



FR1

4012L

## ETP-LOG BOOK

Date 26-07-2024 120

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.		920			41°C		40°C		37°C			22°C	yes		22°C	closed								
01:00 hrs.					"		"		"			"	"		"									
02:00 hrs.					"		"		"			"	"		"									
03:00 hrs.		P.S.No. 4	12KL		"	685	"	"	"			"	"		"									
04:00 hrs.	Bhaginder Singh			385	46°C		40°C		37°C			22°C	yes		22°C									
05:00 hrs.					"		"	7.75	"			"	"		"									
06:00 hrs.	Caustic soda.				"		"	"	"			"	"		"									
07:00 hrs.	15Kgs.				44°C		"		"			"	"		22°C									
08:00 hrs.			60936		"		"		37°C			"	"		"									
09:00 hrs.		P.S.No 3	8KL		40°C		40°C		37°C			22°C	yes		22°C									
10:00 hrs.		P.S.No 5	12KL		"		"		"			"	"		"									
11:00 hrs.					"		"		"			"	"		"									
12:00 hrs.	Teevan Ram				44°C		40°C		37°C			22°C	yes		22°C									
13:00 hrs.	Abhay				"		"		"			"	"		"									
14:00 hrs.	Adarsh				44°C		40°C		37°C			22°C	"		22°C									
15:00 hrs.	Pinku				"		"		"			"	"		"									
16:00 hrs.	Ankush		60949		42°C		40°C		37°C			22°C	yes		22°C									
17:00 hrs.	Caustic Soda				"	655	"		"			"	"		"									
18:00 hrs.	15Kgs + 15Kgs				40°C		40°C		37°C			22°C	yes		22°C									
19:00 hrs.					"		"		"			"	"		"									
20:00 hrs.	Teevan Ram				"		"		"			"	"		"									
21:00 hrs.	PAVEEN (O.T)				38°C		39°C		37°C			22°C			22°C									
22:00 hrs.					"		"		"			"	"		"									
23:00 hrs.					38°C		39°C		37°C			22°C			22°C									
24:00 hrs.			60960																					

NOTE:



SAT

3KL

# ETP-LOG BOOK

Date... 27/07/24 121

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.								41.0°C	27°C			22°C	yes		22°C									
02:00 hrs.								"	"			"	"		"									
03:00 hrs.								"	"			"	"		"									
04:00 hrs.	Bhagwati Singh					6.80		41.0°C	37°C			22°C	"		"									
05:00 hrs.								"	"			"	"		22°C									
06:00 hrs.								39°C	37°C			22°C	yes		"									
07:00 hrs.						7.20		"	"			"	"		"									
08:00 hrs.			60963					"	"			"	"		"									
09:00 hrs.		P.S.No 2	8KL					39°C	37°C			22°C	yes		22°C									
10:00 hrs.								"	"			"	"		"									
11:00 hrs.								"	"			"	"		"									
12:00 hrs.	Jeevan Ram							39°C	37°C			22°C	yes		22°C									
13:00 hrs.	Himansu-RO.							"	"			"	"		"									
14:00 hrs.	Pinku							39°C	37°C			22°C	yes		22°C									
15:00 hrs.	Ishan							"	"			"	"		"									
16:00 hrs.	Ankush							38°C	37°C			22°C	yes		22°C									
17:00 hrs.								"	"			"	"		"									
18:00 hrs.								"	"			"	"		"									
19:00 hrs.								"	"			"	"		"									
20:00 hrs.	Abhay Shandilya							38°C	7.60	37°C		7.10	22°C	yes	7.10	22°C								
21:00 hrs.	Rajesh Thakur							"	"			"	"		"									
22:00 hrs.								"	"			"	"		"									
23:00 hrs.								"	"			"	"		"									
24:00 hrs.			60963					38°C	7.60	37°C	-	-	7.10	22°C	yes	7.10	22°C							

NOTE:

SUN

5KL

# ETP-LOG BOOK

Date: 22.07.24 122

510

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			63				38°C		37°C			28°C	yes			21°C							
01:00 hrs.							"	"	"	"	"	"	"		"	"	"						
02:00 hrs.													"		"	"	"						
03:00 hrs.													"		"	"	"						
04:00 hrs.	Bhagya Sridh.						38°C		"			22°C				21°C							
05:00 hrs.							695	"	"			"	yes		"	"	"						
06:00 hrs.							"	"	"			"	"		"	"	"						
07:00 hrs.							"		37°C			"	"		"	"	"						
08:00 hrs.			60968				"	"	"			"	"		"	"	"						
09:00 hrs.																							
10:00 hrs.																							
11:00 hrs.																							
12:00 hrs.	Abhay Shandilya																						
13:00 hrs.																							
14:00 hrs.																							
15:00 hrs.																							
16:00 hrs.																							
17:00 hrs.																							
18:00 hrs.																							
19:00 hrs.																							
20:00 hrs.	Abhay Shandilya																						
21:00 hrs.																							
22:00 hrs.																							
23:00 hrs.																							
24:00 hrs.			60968																				

NOTE:

MON

18KL

# ETP-LOG BOOK

Date... 21/12/2024

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			60968																					
01:00 hrs.																								
02:00 hrs.																								
03:00 hrs.																								
04:00 hrs.																								
05:00 hrs.																								
06:00 hrs.																								
07:00 hrs.																								
08:00 hrs.				3.8	50	6.60	40	7.6	38	-	-	7.5	24	Yes	-	7.5	23	✓	✓	✓	✓	✓	✓	✓
09:00 hrs.				"	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
10:00 hrs.	Purveen	P.S.No-2		3.5	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
11:00 hrs.	Ishan	P.S.No-3		"	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
12:00 hrs.	Harvinder Sharma			"	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
13:00 hrs.	Pinky			"	30	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
14:00 hrs.	Aakash			"	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
15:00 hrs.				"	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
16:00 hrs.			60981	"	"	"	"	"	"	-	-	"	"	Yes	-	"	"	✓	✓	✓	✓	✓	✓	✓
17:00 hrs.				3.5	25°C	6.60	35°C	7.6	38°C	-	-	7.5	24°C	"	-	7.5	23°C	✓	✓	✓	✓	✓	✓	✓
18:00 hrs.				"	"	"	"	"	"			"	"	"		"	"	✓	✓	✓	✓	✓	✓	✓
19:00 hrs.				"	"	"	"	"	"			"	"	"		"	"	✓	✓	✓	✓	✓	✓	✓
20:00 hrs.	Abhay Shandilya			"	"	"	"	"	"			"	"	"		"	"	✓	✓	✓	✓	✓	✓	✓
21:00 hrs.				3.5	25°C	6.60	32°C	7.6	37°C			7.5	24	Yes		7.5	23°C	✓	✓	✓	✓	✓	✓	✓
22:00 hrs.				"	"	"	"	"	"			"	"	"		"	"	✓	✓	✓	✓	✓	✓	✓
23:00 hrs.				"	"	"	"	"	"			"	"	"		"	"	✓	✓	✓	✓	✓	✓	✓
24:00 hrs.			60986	"	"	"	"	"	"	-	-	"	"	"	-	"	"	✓	✓	✓	✓	✓	✓	✓

NOTE:

Tuesday

# ETP-LOG BOOK

Date: 30-12-2024

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.						6.60	32°C	7.60	27°C	-	-	7.5	24°C	Yes									
01:00 hrs.						11	11	11	11			11	11	11									
02:00 hrs.						Recirculation		11	11			11	11	11									
03:00 hrs.						Continuous		11	11			11	11	11									
04:00 hrs.	Abhay Shandilya					11	11	7.60	27°C			7.5	24°C	Yes									
05:00 hrs.						11	11	11	11			11	11	11									
06:00 hrs.						11	11	11	11			11	11	11									
07:00 hrs.						11	11	11	11			11	11	11									
08:00 hrs.						6.60	32	7.60	27°C			7.5	24°C	Yes									
09:00 hrs.																							
10:00 hrs.																							
11:00 hrs.																							
12:00 hrs.																							
13:00 hrs.																							
14:00 hrs.																							
15:00 hrs.																							
16:00 hrs.								37°C	37°C			28°C		Yes									
17:00 hrs.																							
18:00 hrs.								Plant Recirculation															
19:00 hrs.																							
20:00 hrs.								37°C	37°C														
21:00 hrs.	Bhagirat-17h													Yes									
22:00 hrs.																							
23:00 hrs.																							
24:00 hrs.																							

NOTE:



# ETP-LOG BOOK

Date: 31-07-25

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			60986				32°C		37°C			24°C	yes											
01:00 hrs.																								
02:00 hrs.																								
03:00 hrs.																								
04:00 hrs.	Jeevan Ram						32°C		37°C			24°C	"											
05:00 hrs.							"		"			"	"											
06:00 hrs.							"		"				yes											
07:00 hrs.							"		"				"											
08:00 hrs.		Gin Wala					32°C		36°C			23°C	yes											
09:00 hrs.		P.S. No 2					"		"			"	"											
10:00 hrs.							"		"			"	"											
11:00 hrs.	Ramesh Singh						32°C		36°C			23°C	yes											
12:00 hrs.							"		"			"	"											
13:00 hrs.							"		"			"	"											
14:00 hrs.							"		"			"	"											
15:00 hrs.			50995				"		"			"	"											
16:00 hrs.							"		"			"	"											
17:00 hrs.							35°C		36°C			22°C	yes											
18:00 hrs.							"		"			"	"											
19:00 hrs.							"		"			"	"											
20:00 hrs.	Bhaginder Singh						"		"			"	"											
21:00 hrs.							34°C		36°C			22°C	yes											
22:00 hrs.							"		"			"	"											
23:00 hrs.							"		"			"	"											
24:00 hrs.							"		"			"	"											

NOTE:

61003

# ETP-LOG BOOK

Date 01.09.2024

514

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			61003					34°C	36°C			24°C	yes										
01:00 hrs.								"	"			"	"										
02:00 hrs.								"	"			"	"										
03:00 hrs.								Recirculation					"										
04:00 hrs.	Teevaan Ram							"	"				"										
05:00 hrs.								34°C	36°C			24°C	yes										
06:00 hrs.								"	"			"	"										
07:00 hrs.								"	"			"	"										
08:00 hrs.								34°C	36°C			24°C	yes										
09:00 hrs.								29	29			29	29										
10:00 hrs.								29	29			29	29										
11:00 hrs.								29	29			29	29										
12:00 hrs.	Darshan Singh												29										
13:00 hrs.								Recirculation					29										
14:00 hrs.								29	29			29	29										
15:00 hrs.								29	29			29	29										
16:00 hrs.								29	29			29	29										
17:00 hrs.								34°C	35°C			22°C	yes										
18:00 hrs.								"	"			"	"										
19:00 hrs.								"	"			"	"										
20:00 hrs.	Bhargava Singh							34°C	35°C			22°C	"										
21:00 hrs.								"	"			"	"										
22:00 hrs.								"	"			"	"										
23:00 hrs.								"	"			"	"										
24:00 hrs.								"	35°C			"	"										

NOTE:

# ETP-LOG BOOK

Date 02-08-2024

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.								34°C	35°C			24°C	yes										
01:00 hrs.								Recirculation				"	"										
02:00 hrs.								"	"			"	"										
03:00 hrs.								34°C	35°C			24°C	yes										
04:00 hrs.	Jeevan Ram							"	"			"	"										
05:00 hrs.								34°C	35°C			24°C	yes										
06:00 hrs.								"	"			"	"										
07:00 hrs.								"	"			"	"										
08:00 hrs.								34°C	35°C			24°C	yes										
09:00 hrs.								"	"			"	"										
10:00 hrs.								"	"			"	"										
11:00 hrs.								"	"			"	"										
12:00 hrs.	Ashay Shandilya							34°C	35°C			24°C	yes										
13:00 hrs.								"	"			"	"										
14:00 hrs.								"	"			"	"										
15:00 hrs.								"	"			"	"										
16:00 hrs.								34°C	35°C			24°C	yes										
17:00 hrs.								"	"			"	"										
18:00 hrs.								"	"			"	"										
19:00 hrs.								Plant Recirculation				"	yes										
20:00 hrs.	Bhagirath Singh							"	"			24°C	"										
21:00 hrs.								33°C	"			"	"										
22:00 hrs.								"	"			"	"										
23:00 hrs.								"	33°C			"	"										
24:00 hrs.			Stop					"	"			"	"										

NOTE:

OKL

## ETP-LOG BOOK

Date 01.12.2024

516

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			61038				28°C		25°C			22°C	Yes		22°C	Yes							
01:00 hrs.							"		"			"	"		"	"							
02:00 hrs.							"		"			"	"		"	"							
03:00 hrs.							28°C		25°C			22°C	Yes		22°C	Yes							
04:00 hrs.	Abhay Sharma						"		"			"	"		"	"							
05:00 hrs.	Ankush						"		"			"	"		"	"							
06:00 hrs.							28°C		25°C			22°C	Yes		22°C	Yes							
07:00 hrs.							"		"			"	"		"	"							
08:00 hrs.							"		"			"	"		"	"							
09:00 hrs.							"		"			"	Yes		"	Yes		Yes	Yes				
10:00 hrs.															"	"		Yes	Yes				
11:00 hrs.															"	"		"	"				
12:00 hrs.	Bhaginder Singh														"	"		"	"				
13:00 hrs.							28°C		25°C			22°C	Yes		22°C	Yes		Yes	Yes				
14:00 hrs.							"		"			"	"		"	"		"	"				
15:00 hrs.							28°C		25°C			"	"		"	"		"	"				
16:00 hrs.			61033				"		"			"	"		"	"		"	"				
17:00 hrs.							28°C		25°C			22°C	Yes		22°C	Yes		Yes	Yes				
18:00 hrs.							"		"			"	"		"	"		"	"				
19:00 hrs.							28°C		25°C			22°C	Yes		22°C	Yes		Yes	"				
20:00 hrs.	Jeevan Ram						"		"			"	"		"	"		"	"				
21:00 hrs.	Pasveen Kumar						28°C		25°C			22°C	Yes		22°C	Yes		Yes	"				
22:00 hrs.							"		"			"	"		"	"		"	"				
23:00 hrs.							28°C		25°C			22°C	Yes		22°C	Yes		Yes	"				
24:00 hrs.			61038																				

NOTE:



AKL

# ETP-LQG BOOK

Date 02.01.2024

Time	Man on Duty	Effluent Rcd	Inlet Meter C1038	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.							28 <sup>o</sup> C		25 <sup>o</sup> C			22 <sup>o</sup> C	Yes		22 <sup>o</sup> C	Yes							
01:00 hrs.							"	7.50	"			"	"		"	"							
02:00 hrs.							"		"			"	"		"	"							
03:00 hrs.							28 <sup>o</sup> C		25 <sup>o</sup> C			21 <sup>o</sup> C	Yes		22 <sup>o</sup> C	Yes							
04:00 hrs.	Abhay						"		"			"	"		"	"							
05:00 hrs.	Jishan						"		"			"	"		"	"							
06:00 hrs.	Ankurish						28 <sup>o</sup> C		26 <sup>o</sup> C			22 <sup>o</sup> C	Yes		22 <sup>o</sup> C	Yes							
07:00 hrs.							"		"			"	"		"	"							
08:00 hrs.							"		"			"	"		"	"							
09:00 hrs.							28 <sup>o</sup> C	7.50	25.5 <sup>o</sup> C			21 <sup>o</sup> C	Yes		22 <sup>o</sup> C								
10:00 hrs.							"	"	"			"	"		"	"							
11:00 hrs.							"	"	"			"	"		"	"							
12:00 hrs.	Ateevan Ram						28 <sup>o</sup> C	7.50	25.5 <sup>o</sup> C			21 <sup>o</sup> C	Yes		22 <sup>o</sup> C								
13:00 hrs.							"	"	"			"	"		"	"							
14:00 hrs.							32 <sup>o</sup> C		26 <sup>o</sup> C			21 <sup>o</sup> C	Yes		22 <sup>o</sup> C								
15:00 hrs.							"		"			"	"		"	"							
16:00 hrs.							34 <sup>o</sup> C		26 <sup>o</sup> C			21 <sup>o</sup> C	Yes		22 <sup>o</sup> C								
17:00 hrs.							"		"			"	Yes		"	Yes							
18:00 hrs.							"		"			"	"		"	"							
19:00 hrs.							34 <sup>o</sup> C		"			21 <sup>o</sup> C	"		21 <sup>o</sup> C								
20:00 hrs.	Dewander Singh						"		"			"	"		"	"							
21:00 hrs.	Himanshu						"		27 <sup>o</sup> C			"	Yes		"	Yes							
22:00 hrs.							"		"			"	"		21 <sup>o</sup> C								
23:00 hrs.							"		"			21 <sup>o</sup> C	"		"	"							
24:00 hrs.							"		"			"	"		"	"							

NOTE:

10Kl

# ETP-LOG BOOK

Date: 03.01.2024 130

518

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			61042			6.59	30°C	7.8	28°C			22°C	yes		21°C	yes								
01:00 hrs.						"	"	"	"			"	"		"	"								
02:00 hrs.																								
03:00 hrs.								31°C	28°C			22°C	yes			yes								
04:00 hrs.	Bhaginder Singh					"	"	"	"			"	"		21°C	"								
05:00 hrs.	Ankush Sharma					"	"	"	"			"	"		"	"								
06:00 hrs.							30°C	28°C				"	"		"	"								
07:00 hrs.							"	"				"	yes		21°C	yes								
08:00 hrs.			61042				"	"				"	"		"	"								
09:00 hrs.						6.59	"	7.8	"			"	"		"	"								
10:00 hrs.						"	"	"	"			"	"		"	"								
11:00 hrs.						"	"	"	"			"	"		"	"								
12:00 hrs.	Abhay		Drain water + Washing				32°C	28°C				22°C	yes		21°C	yes								
13:00 hrs.	Ishan						"	"				"	"		"	"								
14:00 hrs.							"	"				"	"		"	"								
15:00 hrs.							"	"				"	"		"	"								
16:00 hrs.						6.59	32°C	7.8	28°C			22°C	yes		21°C	yes								
17:00 hrs.						"	"	"	"			"	"		"	"								
18:00 hrs.						"	"	"	"			"	"		"	"								
19:00 hrs.						"	"	"	"			"	"		"	"								
20:00 hrs.	Daminder Singh					32°C	7.8	28°C				22°C	yes		21°C	yes								
21:00 hrs.						"	"	"	"			"	"		"	"								
22:00 hrs.						"	"	"	"			"	"		"	"								
23:00 hrs.						"	"	"	"			"	"		"	"								
24:00 hrs.			61052			"	"	"	"			"	"		"	"								

NOTE:

# ETP-LOG BOOK

Date: 24.09.2024 131

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			G1052																					
01:00 hrs.								32c	29c			23c	yes		22c	yes								
02:00 hrs.								"	"			"	"		"	"								
03:00 hrs.								"	"			"	"		"	"								
04:00 hrs.	Bhargava Sijeta							31c	29c			"	"		22c	"								
05:00 hrs.	Ankur Sharma							"	"			23c	yes		"	"								
06:00 hrs.								"	"			"	"		"	"								
07:00 hrs.								32c	29c			"	"		"	"								
08:00 hrs.			G1064					"	"			"	yes		"	"								
09:00 hrs.				6.5	23c	6.80	35c	7.80	28c			7.	23c	yes	7	21c	yes.							
10:00 hrs.				6.5	23c	6.80	35c	7.80	29c			7.	23c	yes.	7	"	"							
11:00 hrs.				6.5	23c	"	"	7.80	"			7	"	"	7	"	"							
12:00 hrs.	Tshan Verma			6.5	23c	"	"	7.80	"			7	"	"	7	"	"							
13:00 hrs.	Praveen			6.5	23c	"	"	7.80	"			7	"	"	7	"	"							
14:00 hrs.						6.80	38c	7.8	30c			7.5	23c	yes	7.	21c	yes							
15:00 hrs.						6.80	38c	7.8	30c			7.5	23c	yes	7	21c	yes							
16:00 hrs.			G1080			6.80	38c	7.8	30c			7.5	23c	yes	7	21c	yes							
17:00 hrs.				6.5	23c	"	"	"	"			"	"	"										
18:00 hrs.						"	"	"	"			"	"	"										
19:00 hrs.						"	"	"	"			"	"	"										
20:00 hrs.	Danish					6.80	38c	7.8	30c			7.5	23c	yes										
21:00 hrs.	Himanshu					"	"	"	"			"	"	"										
22:00 hrs.						"	"	"	"			"	"	"										
23:00 hrs.			G1080			"	"	"	"			17	"	"										
24:00 hrs.						6.80	"	"	"			"	"	"										

NOTE:

# ETP-LOG BOOK

Date: 13/11/2024

520

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			61080					32°C	7.80	30°C		7.5	22°C	yes		21°C	yes						
01:00 hrs.								"	"	"		7.5	"	"		"	"						
02:00 hrs.								"	"	"		7.5	"	"		"	"						
03:00 hrs.								33°C	7.80	30°C		7.5	22°C	yes		21°C	"						
04:00 hrs.	Bhaginder Singh							"	"	"		7.5	"	"		"	"						
05:00 hrs.	Ankush Sharma							"	7.80	"		7.5	"	"		"	yes						
06:00 hrs.								32°C	7.80	30°C		7.5	"	"		"	"						
07:00 hrs.								"	7.80	"		7.5	"	"		21°C	"						
08:00 hrs.			61091					"	7.80	"		7.5	22°C	"		"	"						
09:00 hrs.								33°C	7.80	30°C		7.5	22°C	yes		21°C	yes						
10:00 hrs.								"	7.80	"		7.5	22°C	yes		21°C	X						
11:00 hrs.								33°C	7.80	31°C		7.5	22°C	yes		21°C	yes						
12:00 hrs.	Jeevam Ram							34°C	7.80	31°C		7.5	22°C	yes		21°C	X						
13:00 hrs.	Aloha							34°C	7.80	31°C		7.5	22°C	yes		21°C	"						
14:00 hrs.								"	7.80	31°C		7.5	22°C	yes		21°C	X						
15:00 hrs.			61096					34°C	7.80	31°C		7.5	22°C	yes		21°C	"						
16:00 hrs.								??	-	??		-	??	??									
17:00 hrs.			P.S.No. 12/12					??	-	??		-	??	??									
18:00 hrs.								??	7.80	??		-	??	yes									
19:00 hrs.								??	-	??		-	??	??									
20:00 hrs.	Damindar Singh							??	-	??		-	??	??									
21:00 hrs.	Himasha							34°C	-	31°C		7.5	22°C	yes									
22:00 hrs.	caustic Soda 12/12							??	-	??		-	??	??									
23:00 hrs.			61109					??	-	??		-	??	??									
24:00 hrs.								??	-	??		-	??	??									

NOTE:

# ETP-LOG BOOK

Date..06-09-2024 133

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			61109																					
01:00 hrs.		P.S.No					35°C		32°C			22°C	yes			21°C	yes							
02:00 hrs.		5	12 KL		50°C		"		"			"	"		7.5	"	"							
03:00 hrs.		22-11-30		3.8	"		"		"			"	"		7.5	"	"							
04:00 hrs.	Bhaginder Singh				48°C	7.07	34°C		32°C			22°C	yes			"	yes							
05:00 hrs.	Anandh Sharma				"		"		"			"	"			"	"							
06:00 hrs.					"		"		"			"	"			"	"							
07:00 hrs.	Caustic soda				46°C		"		32°C			22°C	yes			21°C	"							
08:00 hrs.	15 Kgs.		61127		"		"		"			"	"			"	"							
09:00 hrs.												"	"			"	"							
10:00 hrs.					41°C	7.00	40°C		32°C			22°C	yes			21°C	yes							
11:00 hrs.					"		"		"			"	"			"	"							
12:00 hrs.	Teevan Ram						40°C		32°C			22°C	"			"	"							
13:00 hrs.	Parveen						"		"			"	"			"	"							
14:00 hrs.							40°C		32°C			22°C	yes			21°C	yes							
15:00 hrs.		P.S.No-4	12 KL		"		"		"			"	"			"	"							
16:00 hrs.			61143				40°C		32°C			22°C	yes			21°C	yes							
17:00 hrs.					41°C	7.00	39		31			21	31			21	31							
18:00 hrs.							31		31			21	31			21	31							
19:00 hrs.							29		29			21	29			21	29							
20:00 hrs.	Dawinder						29		29			21	29			21	29							
21:00 hrs.	Abhay	P.S.No5	12 KL		41°C		40°C		32°C			22°C	11			21°C	yes							
22:00 hrs.	Tshan						29		29			21	yes			29	29							
23:00 hrs.	Caustic soda		61161				27		27			21	11			21	21							
24:00 hrs.	15 Kgs.						27		27			21	17			21	21							

NOTE:

# ETP-LOG BOOK

Date 07.134 2021

322

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Und
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.					40°C		25°C	33°C				22°C	yes			21°C	yes						
01:00 hrs.					"		"	"				"	"			"	"						
02:00 hrs.				3.75	"		"	"			76	"	"		76	"	"						
03:00 hrs.					39°C		34°C	33°C				"	"			"	"						
04:00 hrs.	Bhaginda Singh				"	690	"	7.20	"			22°C	yes			21°C	yes						
05:00 hrs.	Abney Shandil				"		"	"				"	"			"	"						
06:00 hrs.	Eshwar Thakur				"		"	"				"	"			"	"						
07:00 hrs.	Caustic soda 15Kps.	P.S.No 4 12KL			39°C		36°C	33°C				22°C	"			21°C	"						
08:00 hrs.		2.57.00am	51178		"		"	"				"	"			"	"						
09:00 hrs.					38°C	6.90	36°C	33°C				22°C	yes			21°C	yes						
10:00 hrs.		P.S.No 3 8KL			"	"	"	"				"	"			"	"						
11:00 hrs.		P.S.No 2 8KL			39°C		36°C	33°C				22°C	yes			21°C	yes						
12:00 hrs.	Jeevan Ram				"		"	"				"	"			"	"						
13:00 hrs.	Pasveer				38°C		36°C	33°C				22°C	"			"	"						
14:00 hrs.					"		"	"				"	"			"	yes						
15:00 hrs.		P.S.No 5 12KL			"		36°C	33°C				22°C	yes			"	"						
16:00 hrs.			61204		"		"	"				"	"			21°C	yes						
17:00 hrs.					"		"	"				"	"			"	"						
18:00 hrs.					"		"	"				"	"			"	"						
19:00 hrs.					"		"	"				"	"			"	"						
20:00 hrs.	Devinandan				38°C	7.98	36°C	33°C				22°C	yes			21°C	yes						
21:00 hrs.	Himashu				"		"	"				"	"			"	"						
22:00 hrs.					"		"	"				"	"			"	"						
23:00 hrs.			61219		"		"	"				"	"			"	"						
24:00 hrs.					"		"	"				"	"			"	"						

NOTE:

# ETP-LOG BOOK

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers	PH	Temp.	MBR-2							
00:00 hrs.																								
01:00 hrs.							37°C		33°C			22°C	yes			21°C	yes							
02:00 hrs.							42°C		"			"	"			"	"							
03:00 hrs.							"		"			"	"			"	"							
04:00 hrs.	Shantanu Singh	P.S.No 4	12KL		55%	7.00	36°C		33°C			"	"	7.50		"	"							
05:00 hrs.	Ankurish Sharma						3.70		"			"	"			"	"							
06:00 hrs.							"		"	7.45		7.55	22°C	yes		21°C	yes							
07:00 hrs.	Caustic Soda 15kg						45°C		36°C			38°C				"	"							
08:00 hrs.							"		"			"	"			"	"							
09:00 hrs.			51234				"		"			"	"			"	"							
10:00 hrs.							44°C	7.00	36°C	7.65		33°C			22°C	yes		21°C	yes					
11:00 hrs.		P.S.No 5	12KL				1.80		36°C			34°C			22°C	"		"	"					
12:00 hrs.	Teevan Ram						"		"			"	"			"	"							
13:00 hrs.	Pashveen						42°C		36°C			34°C			22°C	yes		"	"					
14:00 hrs.	Caustic Soda 15kg						"		"			"	"			"	"							
15:00 hrs.							40°C		36°C			34°C			22°C	yes		21°C	yes					
16:00 hrs.							"		"			"	"			"	"							
17:00 hrs.			61255				38°C	7.00	36°C	7.65		34°C			22°C	yes		21°C	yes					
18:00 hrs.							"	"	"	"		"	"			"	"							
19:00 hrs.							"	"	"	"		"	"			"	"							
20:00 hrs.	Abhay Shandilya						"	"	"	"		"	"			"	"							
21:00 hrs.	Himanshu	P.S.No 4	12KL		3.80		53°C	7.00	37°C	7.65		34°C			22°C	yes		21°C	yes					
22:00 hrs.							"	"	"	"		"	"			"	"							
23:00 hrs.							"	"	"	"		"	"			"	"							
24:00 hrs.							61268		"	"		"	"			"	"							

NOTE:

# ETP-LOG BOOK

Date: 9. 01. 2024 136

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Und
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.60	50°C	6.30	36°C		34°C			22°C	Yes		7.5	21°C	Yes						
01:00 hrs.				-	-	-	-	7.00	-			-	-			-	-						
02:00 hrs.		P.S.No5	12KL		48°C	-	36°C		34°C			22°C	Yes			21°C	Yes						
03:00 hrs.					-	-	-	-	-			-	-			-	-						
04:00 hrs.	Jeevan Ram				50°C	6.30	36°C		34°C			22°C	Yes			21°C	Yes						
05:00 hrs.	Parveen				-	-	-	-	-			-	-			-	-						
06:00 hrs.	Caustic Soda				47°C	-	37°C		35°C			22°C	Yes			21°C	Yes						
07:00 hrs.	15 kg				-	-	-	7.50	-			-	-			-	-						
08:00 hrs.			61289		42°C	-	37°C		35°C			22°C	Yes			21°C	Yes						
09:00 hrs.		P.S.No2	8KL		99	6.30	99	-	99			99	99			99	99						
10:00 hrs.		P.S.No3	8KL		99	-	99	-	99			99	99		7.5	99	99						
11:00 hrs.		P.S.No1	8KL		99	-	99	-	99			99	99			99	99						
12:00 hrs.	Darindan				42°C	-	37°C	7.50	35°C			22°C	Yes			99	99						
13:00 hrs.	Himasha				99	6.30	99	-	99			99	99			99	99						
14:00 hrs.	Caustic Soda				99	-	99	-	99			99	99			21°C	Yes						
15:00 hrs.	15 kg	P.S.No4	12KL		99	-	99	-	99			99	99			99	99						
16:00 hrs.			61310		42°C	-	37°C	7.50	35°C			22°C	Yes			99	99						
17:00 hrs.					99	99	99	99	99			99	99			99	99						
18:00 hrs.					99	99	99	99	99			99	99			99	99						
19:00 hrs.					99	99	99	99	99			99	99			99	99						
20:00 hrs.	Abhay Shantilya	P.S.No5	12KL		50	6.30	37°C	7.50	35°C			22°C	Yes			21°C	Yes						
21:00 hrs.	Ishan Verma				99	99	99	99	99			99	99			99	99						
22:00 hrs.	Ankush Sharma				99	99	99	99	99			99	99			99	99						
23:00 hrs.	Caustic 15 kg.				99	99	99	99	99			99	99		7.5	99	99						
24:00 hrs.			61335		45°C	6.30	37°C	7.50	35°C			22°C	Yes			21°C	99						

NOTE:

# ETP-LOGBOOK

Date 10.09.13724

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers	PH	Temp.	MBR-2					
00:00 hrs.			61335	3.60	45°C	6.30	37°C	7.50	35°C			7.55	22°C	Yes	7.50	21°C	Yes					
01:00 hrs.																						
02:00 hrs.																						
03:00 hrs.																						
04:00 hrs.	Abhay Shandilya		25	3.60	45°C	6.30	37°C	7.50	35°C			7.55	22°C	Yes	7.50	21°C	Yes					
05:00 hrs.	Ishan Verma																					
06:00 hrs.	Parveen Thakur																					
07:00 hrs.																						
08:00 hrs.			61360	3.60		7	37°C	7.50	35°C			7.55	22°C	Yes	7.50	21°C	Yes					
09:00 hrs.		P.S.No4	12KL			6.30						-			-							
10:00 hrs.		P.S.No2	/									-			-							
11:00 hrs.		P.S.No3	/									-			-							
12:00 hrs.	Damindan			3.60	45°C	6.30	37°C	7.50	35°C			7.55	22°C	Yes	7.50	21°C	Yes					
13:00 hrs.	Himashu		23	-		-		-				-			-							
14:00 hrs.				-		-		-				-			-							
15:00 hrs.				-		-		-				-			-							
16:00 hrs.			61380	3.60	45°C	6.30	37°C	-	25°C			7.55	22°C	Yes	7.50	21°C	Yes					
17:00 hrs.		P.S.No	12KL	-		-		-	37°C			-	22°C	Yes	-							Yes.
18:00 hrs.		5		-	45°C	-		-				-			-							
19:00 hrs.				-		-	37°C	-	37°C			-			-	7.50	21°C	Yes				
20:00 hrs.	Chetendra Singh			-		6.30		-				-	22°C	Yes	-							
21:00 hrs.	Ankush Sharma		28	3.70	46°C	-		-				-			-							disorder
22:00 hrs.				-		-	39°C	-	37°C			-			-							low pressure of tank
23:00 hrs.	Caustic soda steps			-		-		-				-			-							
24:00 hrs.			61408	-		-		-				-			-							

NOTE:

# ETP-LOG BOOK

Date 11.09.138

526

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Und
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.					46°		39°	8.0	37°	<del>22</del>		21°	yes	yes	7.50	21°	yes						
01:00 hrs.				3.70	"	6.90	"	"	"	"	"	"	"	"	"	"	"						
02:00 hrs.					45°	"	39°		37°	<del>22</del>		21°	yes			21°	yes						
03:00 hrs.		P.S.No 4	12KL		"	"	"	"	"	"	"	"	"			"	"						
04:00 hrs.	Jeevan Ram				50°		39°		37°	<del>22</del>		21°	yes			21°	yes						
05:00 hrs.	Parveer				"		"		"			"	"			"	"						
06:00 hrs.	Constitute 15Kgs.				52°		39°		37°			21°	yes			21°	yes						
07:00 hrs.					"		"	8.0	"			"	"			"	"						
08:00 hrs.				6/435	48°		39°		37°			21°	yes			21°	"						
09:00 hrs.		P.S.No 2	8KL	3.70	99	6.90	39°	8.0	37°			21°	99		7.50	99	99						
10:00 hrs.		P.S.No 3	8KL		99	-	99	-	99			99	99		-	99	99						
11:00 hrs.		P.S.No 5	12KL		99	-	99	-	99			99	99		-	99	yes						
12:00 hrs.	Davinder	P.S.No 1	8KL		48°	-	39°	8.0	38°			21°	yes		-	21°	99						
13:00 hrs.	Mimashu				99	-	99	-	99			99	99		-	99	99						
14:00 hrs.	Tshan				99	-	99	-	99			99	99		7.50	99	99						
15:00 hrs.					99	-	99	-	99			99	99		-	99	99						
16:00 hrs.				6/453	99	6.90	99	8.0	99			21°	99		-	99	99						
17:00 hrs.					48°		39°	-	38°			99	99			21°	yes						
18:00 hrs.					"		"	-	"			"	99			"	"						
19:00 hrs.					48°		"		"			"	"			"	"						
20:00 hrs.	Bhaginder Singh			3.80	"		39°		38°			7.00	21°		7.50	21°	yes						Started air on
21:00 hrs.	Ankur Shrivastava				"		"		"			"	yes		"	"	"						to control.
22:00 hrs.		P.S.No 4	12KL		60°	6.55	40°		38°			"	"			"	"						
23:00 hrs.	Constitute 15Kgs.				"		"		"			21°	"			"	"						Note: Steam
24:00 hrs.				6/470	"		"		"			-	"			"	"						pressur Low

NOTE:

# ETP-LOGBOOK

Date: 12.09.2019

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.					50°C	6.85	40°C	8.0	38°C			7.02	22°C	yes.		7.00	21°C	yes					
01:00 hrs.					"	"	"	"			"	"	"		"	"	"						
02:00 hrs.					50°C	"	40°C		38°C			22°C	yes		"	21°C	yes						
03:00 hrs.					"	"	"	"			"	"	"		"	"	"						
04:00 hrs.	Veeran Ram	P.S.No 5	12KL		50°C		40°C		38°C			7.02	22°C	yes		21°C	yes.						
05:00 hrs.	Ashay			3.60	"		"	"				"	"		"	"							
06:00 hrs.	Ishame				50°C		40°C		38°C			22°C	yes		21°C	"							
07:00 hrs.					"	6.86	"	"				"	"		"	yes							
08:00 hrs.			61499		48°C		40°C		38°C			22°C	yes		"	"							
09:00 hrs.		Cin Wash			99		99		99			99	99			99							
10:00 hrs.		P.S.No 2	8KL	3.60	99	6.86	99	8.10	99			7.09	99	99	7.00	99	99						
11:00 hrs.		P.S.No 3	8KL		99	-	99	-	99			-	99	99	-	99	99						
12:00 hrs.	Maninder Singh				99	-	99	-	99			-	99	99	-	99	99						
13:00 hrs.	Panvesh (OT)				48°C	-	40°C	-	38°C			-	22°C	yes	-	21°C	yes						
14:00 hrs.	in place of Himanshu				99	-	99	-	99			-	99	99	-	99	99						
15:00 hrs.					99	-	99	-	99			-	99	99	-	99	99						
16:00 hrs.					99	-	99	-	99			-	99	99	-	99	99						
17:00 hrs.		P.S.No 4	12KL		"		"	"	"			"	"		"	"							
18:00 hrs.					"		"	"	"			"	"		21°C	yes							
19:00 hrs.					50°C		40°C	8.2	38°C	3.5		"	yes.		"	"							
20:00 hrs.	Bhaginder Singh				"		"	"	"			22°C	yes		"	"							
21:00 hrs.	Ankur Sharma				"		"	"	"			"	"		21°C	yes							
22:00 hrs.					48°C		"	"	"	"		"	"		"	"							
23:00 hrs.		P.S.No 5	12KL		"		39°C		38°C			"	"		"	"							
24:00 hrs.			61502		"		"	"	"			"	"		"	"							

NOTE:

# ETP-LOG BOOK

Date... 13... 1404...

528

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			ASOV		48°C		39°C	8.10	38°C			7.02	22°C	Yes		7.00	21°C	Yes					
01:00 hrs.					6.87		"					"	"			"	"						
02:00 hrs.					47°C		39°C		38°C			21°C	"			21°C	Yes						
03:00 hrs.					"		"		"			"	Yes			"	"						
04:00 hrs.	Teevan Ram				45°C		39°C		38°C			21°C	"			21°C	Yes						
05:00 hrs.	Parveen Kumar				"		"		"			"	"			"	"						
06:00 hrs.					44°C		39°C		38°C			21°C	Yes			21°C	Yes						
07:00 hrs.													"				"						
08:00 hrs.					44°C		39°C		38°C			21°C	Yes			21°C	Yes						
09:00 hrs.					99	6.87	99	8.00	99			7.02	99	99		7.00	99	99					
10:00 hrs.					99	-	99	-	99			-	99	99		-	99	99					
11:00 hrs.					P.S.No 8	8 KL	99	-	99	-	99	-	99	99		-	99	99					
12:00 hrs.	Harvinder Singh				P.S.No 2	8 KL	44°C	-	39°C	-	38°C	-	21°C	Yes		-	21°C	Yes					
13:00 hrs.	Ankush Sharma				P.S.No 1	8 KL	99	-	99	-	99	-	99	99		-	99	99					
14:00 hrs.	Ishan				P.S.No 4	12 KL	99	-	99	-	99	-	99	99		-	99	99					
15:00 hrs.	Caustic soda 15 kg				61519		44	7.87	99	-	38°C	-	21°C	Yes		-	21°C	Yes					
16:00 hrs.							"		"			"	"			"	"						
17:00 hrs.							46°C		"			"	"			"	"						
18:00 hrs.							38°C		"			22°C	Yes			21°C	Yes						
19:00 hrs.							"		"			"	"			"	"						
20:00 hrs.	Shahendra Singh						69°C		7.70			7.10	"	"		"	"						
21:00 hrs.	Ashish Shandil				P.S.No 5	12 KL	62°C		40°C		38°C		22°C	Yes		21°C	Yes						
22:00 hrs.							"		"		"		"	"		"	"						
23:00 hrs.	Caustic soda 25 kg						"		40°C		"		"	"		"	"						
24:00 hrs.					61548		"		"		"		"	"		"	"						

NOTE:

# ETP-LOG BOOK

Date 14.09.21

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.						62°C	6.88	40°C	8.0	38°C			7.8	22°C	yes	7.00	21°C	yes						
02:00 hrs.						"	"	"	"	"	"	"	"	"	"	"	"	"						
03:00 hrs.						55°C		40°C		38°C			22°C	yes		"	21°C	yes						
04:00 hrs.	Jeevan Ram	(39)				"	6.87	-					"	"			"	"						
05:00 hrs.	Parveen					51°C		39°C		38°C			22°C	yes			21°C	yes						
06:00 hrs.	Caustic 20kg	P.S.No 4	12KL			"		"	8.0	"			"	"			"	"						
07:00 hrs.			61582			50°C		39°C	-	38°C			22°C	yes			21°C	yes						
08:00 hrs.						"		"	-				"	"			"	"						
09:00 hrs.						50°C		40°C	-	38°C			7.8	22°C	yes		21°C	yes						
10:00 hrs.		Gopalash				99	6.87	99	8.0	99			-	99	99		99	99						
11:00 hrs.		(33)				99	-	99	-	99			-	99	99		99	99						
12:00 hrs.	Danish Singh	P.S.No-3	81KL			50°C	6.87	40°C	8.0	37°C			7.8	22°C	yes		21°C	yes						
13:00 hrs.	Abhay	P.S.No 7	81KL			99	-	99	-	99			-	99	99		99	99						
14:00 hrs.	Tshah	P.S.No 5	121KL			99	-	99	-	99			-	99	99		99	99						
15:00 hrs.						99	-	99	-	99			-	99	99		99	99						
16:00 hrs.		61608				"	"	"		37°C			"	"			21°C							
17:00 hrs.			61615			48°C		40°C		"			22°C	yes		"	"	yes						
18:00 hrs.						"		"		3.80°C			"	"			"	"						
19:00 hrs.						"		"		"			"	"		7.50	21°C	"						
20:00 hrs.	Bhagidh Singh	(28)				46°C	6.90	40°C		"			"	"			"	"						
21:00 hrs.	Himanshu					"		"	7.81	"			22°C	yes		"	"	yes						
22:00 hrs.						"		"		37°C			"	"		"	"	"						
23:00 hrs.	Caustic 25kg	40KL				"		"		"			"	"			21°C	"						
24:00 hrs.		95KL	61643			49°C		"	"	"			22	"		"	"	"						

NOTE:

# ETP-LOG BOOK

Date 15.11.24

550

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MDR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			6143		41°C	6.90	40°C	7.8	38°C			22°C	yes		21°C	yes							
01:00 hrs.					"	"	"	"	"			"	"		"	"							
02:00 hrs.		P.S.No 4	12KL		42°C	"	40°C		38°C			22°C	yes		21°C	yes							
03:00 hrs.		22.11			"	"	"	"	"			"	"		"	"							
04:00 hrs.	Jeevan Ram				41°C		40°C		38°C			22°C	yes		21°C	yes							
05:00 hrs.	Himanshu	26			"	"	"	"	"			"	"		"	"							
06:00 hrs.	Caustic Soda				40°C		40°C	7.8	38°C			22°C	yes		21°C	yes							
07:00 hrs.	20 kg				"	6.98																	
08:00 hrs.			61669		39°C		40°C		38°C			22°C	yes		21°C	yes							
09:00 hrs.		P.S.No. 5	12KL		"	"	"	"	"			"	"		"	"							
10:00 hrs.					"	"	"	"	"			"	"		"	"							
11:00 hrs.					"	"	"	"	"			"	"		"	"							
12:00 hrs.	Abhay Shandilya				46°C	6.98	40°C	7.8	38°C			22°C	yes		21°C	yes							
13:00 hrs.	Ankush Sharma				"	"	"	"	"			"	"		"	-							
14:00 hrs.	Arjun (2 pm - 4 pm)				"	"	"	"	"			"	"		"	-							
15:00 hrs.	O.T.				"	"	"	"	"			"	"		"	-							
16:00 hrs.			61683		45°C	6.98	40°C	7.8	38°C			21°C	yes		21°C	-							
17:00 hrs.					"	"	"	"	"			"	"		"	yes							
18:00 hrs.				3.70	42°C		"	"	"			"	"		"	yes							
19:00 hrs.					"	6.95	40°C		38°C			22°C	yes		21°C	-							
20:00 hrs.	Bhargava Singh				"	"	"	7.8	"			"	"		"	"							
21:00 hrs.	Pavleen Kumar				"	"	"	"	"			"	"		"	"							
22:00 hrs.		P.S.No 4	12KL		55°C		40°C		38°C			"	"		"	"							
23:00 hrs.					"	"	"	"	"			"	"		"	"							
24:00 hrs.			61703		"	"	"	"	"			"	"		"	"							

NOTE:

# ETP-LOG BOOK

Date: 16.09.2014

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			1703	3.70	45°C	6.90	40°C	7.8	38°C			7.02	22°C	Yes		21°C	Yes						
01:00 hrs.				-	99	-	99	-	99			-	99	99		99	99						
02:00 hrs.					99	-	99	-	99			-	99	99		99	99						
03:00 hrs.					99	-	99	-	99			-	99	99		99	99						
04:00 hrs.	D. Sindhu	P.S.No5	12KL		45°C	-	40°C	-	38°C			-	22°C	Yes		21°C	Yes						
05:00 hrs.	Himanshu				99	-	99	-	99			-	99	99		99	99						
06:00 hrs.	Caustic Soda				99	-	99	-	99			-	99	99		99	99						
07:00 hrs.	12 kg.	61724			99	-	99	-	99			-	99	99		99	99						
08:00 hrs.					99	-	99	-	99			-	99	99		99	99						
09:00 hrs.					50°C	6.90	40°C	7.8	38°C			7.02	22°C	Yes		21°C	Yes						
10:00 hrs.	<del>OT in place of Abhay</del>	P.S.No3	8KL	3.70	99	-	99	-	99			-	99	99		99	99						
11:00 hrs.		P.S.No2	8KL		99	-	99	-	99			-	99	99		99	99						
12:00 hrs.	D. Sindhu Singh	P.S.No1	8KL		99	-	99	-	99			-	99	99		99	99						
13:00 hrs.	Ankush Sharma	(in fresh)			99	-	99	-	99			-	99	99		99	99						
14:00 hrs.	T. Shan				99	-	99	-	99			-	99	99		99	99						
15:00 hrs.	Caustic Soda	P.S.No4	12KL		99	-	99	-	99			-	99	99		99	99						
16:00 hrs.	15 kg.				50°C	6.90	40°C	7.8	38°C			-	22°C	Yes		21°C	Yes						
17:00 hrs.		61744			50°C	-	40°C	-	38°C				22°C	"		21°C	"						
18:00 hrs.					"	-	"	-	"				"	"		"	"						
19:00 hrs.					49°C	-	40°C	-	38°C				22°C	Yes		21°C	Yes						
20:00 hrs.	Veeram Ram	P.S.No5	12KL		"	-	"	-	38°C			7.03	"	"		"	"						
21:00 hrs.	Pahleen Kaur				51°C	-	40°C	-	38°C				22°C	Yes		21°C	Yes						
22:00 hrs.	Caustic Soda				"	-	"	-	"				"	"		"	"						
23:00 hrs.	20 kg.				51°C	-	40°C	-					"	"		"	"						
24:00 hrs.			61767		"	-	"	-	38°C				22°C	Yes		21°C	Yes						

NOTE:

# ETP-LOG BOOK

Date: 17.09.24

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			6167		51°C	6.89	40°C	7.82	38°C			22°C	yes		21°C	yes								
01:00 hrs.				3.70	"	"	"	"	"	"	"	"	"	"	"	"								
02:00 hrs.					51°C		40°C		38°C			22°C	yes		21°C	yes								
03:00 hrs.					"		"		"			"	"		"	"								
04:00 hrs.	Jeevan Ram Hioman Sir				50°C		40°C		38°C			22°C	yes		21°C	yes								
05:00 hrs.																								
06:00 hrs.	Caustic Soda				48°C		40°C		38°C			22°C	yes		21°C	yes								
07:00 hrs.	20 kg	P.S.No 4	12 KL		"		"		"			"	"		"	"								
08:00 hrs.			61789		48°C		40°C		38°C			22°C	yes		21°C	yes								
09:00 hrs.		P.S.No 3	2 KL		"		"		"	36°C		"	"		"	"								
10:00 hrs.		P.S.No 2	2 KL		"		"		"	"		"	"		"	"								
11:00 hrs.					52°C	6.92	40°C		38°C	7.5	35°C	22°C	yes		21°C	yes								
12:00 hrs.	Bhaginder Singh				"		"		"	"		"	U		"	U								
13:00 hrs.	Ankur Sharma				"		"		"	"		"	"		"	"								
14:00 hrs.	Ishan Verma			3.75	"		38°C		38°C			"	"		"	"								
15:00 hrs.	Caustic Soda	P.S.No 5	12 KL		58°C		"		"	36°C		"	"		"	yes								
16:00 hrs.	20 kg	61340	5811		"		"		"	"		"	"		21°C	"								
17:00 hrs.					"		"		"	"		"	Closed		"	"								
18:00 hrs.					"		"		"	"		"	"		"	"								
19:00 hrs.					"		"		"	"		"	"		"	"								
20:00 hrs.	Abhay Shandilya				58°C	6.92	39°C	7.82	38°C		36°C	22°C			21°C	"								
21:00 hrs.	Purveen Thakur				"		"		"	"		"	"		"	"								
22:00 hrs.					"		"		"	"		"	"		"	"								
23:00 hrs.			61830		"		"		"	"		"	"		"	yes								
24:00 hrs.			<del>61830</del>		52°C	6.92	39°C	7.82	38°C		36°C	22°C	Closed		21°C	"								

NOTE:

# ETP-LOG BOOK

Date: 18.09.2015

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			1830	3.70	50c	6.92	39c	7.82	38c			7.02	22c	Yes		7.00	21c	Yes					
01:00 hrs.				-	91	-	99	-	99			-	99	99		-	99	99					
02:00 hrs.				-	99	-	99	-	99			-	99	99		-	99	99					
03:00 hrs.				-	99	-	99	-	99			-	99	99		-	99	99					
04:00 hrs.	Darshendu	P.S.No. 41212L		-	99	-	99	-	99			-	99	99		-	99	99					
05:00 hrs.	Himanshu			-	50c	-	39c	-	38c			-	22c	Yes		-	21c	Yes					
06:00 hrs.					99	-	99		99			-	99	99		-	99	99					
07:00 hrs.			61849		99	-	99		99			-	99	99		-	99	99					
08:00 hrs.					99	-	99		99			-	99	99		-	99	99					
09:00 hrs.					7.52		40c		38c		36c		22c	Yes			21c	Yes					
10:00 hrs.	Bhargava Singh	P.S.No. 10K1		6.00	-	"	"	7.50	"		"	"	"	"		"	"	"					
11:00 hrs.	Ankur Sharma	P.S.No. 28K1		"		7.00	"	"	"	7.60	"	"	"	"		"	"	"					
12:00 hrs.	Ishan Verma	P.S.No. 38K1		"		"	"	38c	36c			22c	Yes			21c	"						
13:00 hrs.		P.S.No. 12K1		5.2c		"	"	"	"		"	"	"	"		"	"	"					
14:00 hrs.	Chyatic Soda			"	"	"	"	"	"		"	"	"	"		"	"	"					
15:00 hrs.	25 Kgs.				58c		48c		38c		36c		"	"		"	"	"					
16:00 hrs.			51878		"		"	"	"		"	22c	"		7.00	"	"	"					
17:00 hrs.					56c		40c		38c		36c		22c	Yes			21c	Yes					
18:00 hrs.					"		"		"		"	7.61	"	"		"	"	"					
19:00 hrs.				3.70	54c		40c		38c		36c		22c	Yes			21c	Yes					
20:00 hrs.	Jeevan Rama				"		"		"	7.56	"	"	"	"		"	"	"					
21:00 hrs.	Parveen Kumar				51c		40c		38c		36c		22c	Yes			21c	Yes					
22:00 hrs.	Chyatic Soda				"		"		"		"	"	"	"		"	"	"					
23:00 hrs.	30 Kgs				50c		40c		38c		36c		22c	Yes			21c	Yes					
24:00 hrs.			61908		"		"		"		"	"	"	"		"	"	"					

NOTE: *[Signature]*

# ETP-LOG BOOK

Date: 19.9.24

146

Time	Man on Duty	Effluent Rcd	Inlet Meter 61908	Collection Tank		MD Feed Tank		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH		Temp.	Blowers	PH					
00:00 hrs.				3.70	52°C	6.98	40°C	7.82	38°C			7.02	22°C	yes	7.00	21°C	yes				
01:00 hrs.		P.S.No.4	12K/L		99	-	99	-	99			-	99	99	-	99	99				
02:00 hrs.					99	-	99	-	99			-	99	99	-	99	99				
03:00 hrs.					99	-	99	-	99			-	99	99	-	99	99				
04:00 hrs.	Daivindensigh			3.70	50°C	6.98	40°C	-	38°C			-	22°C	yes	7.00	22	99				
05:00 hrs.	Nimashu				99	-	99	-	99			-	22°C	99	-	99	99				
06:00 hrs.					99	-	99	-	99			-	99	99	-	99	99				
07:00 hrs.					99	-	99	-	99			-	99	99	-	99	99				
08:00 hrs.			61939		99	-	99	-	99			-	99	99	-	99	99				
09:00 hrs.					"	-	"	-	38°C		37°C	22°C	yes		22°C	yes					
10:00 hrs.		P.S.No.3	8K/L		60°C	-	40°C	"	"		"	"	"	"	"	"	"				
11:00 hrs.	Bhaginder Singh	P.S.No.5	12K/L		58°C	-	"	7.75	"		"	"	"	"	"	"	"				
12:00 hrs.	Ankush Sharma			3.80	"	6.90	"	3.8°C	37°C		22°C	yes		22°C	yes						
13:00 hrs.	Ishan Verma				"	-	"	"	"		"	"	"	"	"	"	"				
14:00 hrs.					50°C	-	40°C	-	38°C		"	-	"	"	"	"	"				
15:00 hrs.	Caustic soda Dokqs.	P.S.No.2	8K/L		"	-	"	"	"		"	"	"	"	"	"	"				
16:00 hrs.			61964		"	-	"	-	"		37°C	22°C	"	"	"	"	"				
17:00 hrs.					50°C	-	40°C	38°C	37°C		22°C	yes		7.00	21°C	-					
18:00 hrs.				3.81	"	6.97	"	7.76	"		"	20.3	"	"	"	"	"				
19:00 hrs.					48°C	-	40°C	38°C	37°C		22°C	yes		-	22°C	yes					
20:00 hrs.	Teevan Ram	P.S.No.4	12K/L		"	-	"	"	"		"	"	"	-	"	"	"				
21:00 hrs.	Abhay				52°C	-	40°C	38°C	37°C		22°C	yes		-	21°C	yes					
22:00 hrs.	Caustic Soda				"	-	"	"	"		"	"	"	-	"	"	"				
23:00 hrs.	Dokqs				54°C	-	40°C	38°C	37°C		22°C	yes		-	20°C	yes					
24:00 hrs.			61994		"	-	"	"	"		"	"	"		"	"	"				

NOTE:

# ETP-LOG BOOK

Date: 20.09.2024

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			61924	3.70	50°C	6.89	40°C	7.82	38°C			7.02	22°C	Yes		7.01	21°C	Yes					
01:00 hrs.					99		99		99				99	99			99	99					
02:00 hrs.					99		99		99				99	99			99	99					
03:00 hrs.					99		99		99				99	99			99	99					
04:00 hrs.	Darshendu				99		99		99				99	99			99	99					
05:00 hrs.	Abhay	P.S.No 8	121KL	3.70	50°C	6.84	40°C	7.82	38°C			7.02	22°C	Yes		7.01	21°C	Yes					
06:00 hrs.					99		99		99				99	99			99	99					
07:00 hrs.	Caustic Soda				99		99		99				99	99			99	99					
08:00 hrs.	15 kg	62023			99		99		99				99	99			99	99					
09:00 hrs.					4.5°C		"		"		37°C		22°C	Yes			21°C	"					
10:00 hrs.		P.S.No 8	8KL		5.5°C		39°C		38°C		"		"	"			"	"					
11:00 hrs.					"		"	9.8	"		"		"	"			"	"					
12:00 hrs.	Bhagidhar Singh				"	6.95	"		"		"		"	"			21°C	Yes					
13:00 hrs.	Ishak Veema				"	"	"		"		7.5	37°C	22°C	Yes			"	"					
14:00 hrs.	Ankur Sharma			3.8	5.2°C		"		"		"		41	99			"	"					
15:00 hrs.	Caustic soda 20kg	P.S.No 2	8KL		"		39°C		38°C		"		"	"			"	"					
16:00 hrs.			62046		"		"		"		37°C		22°C	"			21°C	Yes					
17:00 hrs.		P.S.No 1	8KL		"		"		"		"		"	"			"	"					
18:00 hrs.					5.4°C		39°C		38°C		37°C		22°C	Yes			21°C	Yes					
19:00 hrs.					"		"		"		"		"	"			"	"					
20:00 hrs.	Jeevan Ram	P.S.No 4	12KL		5.4°C		39°C		38°C		37°C		22°C	Yes			21°C	Yes					
21:00 hrs.	Parveen Kumar				"	6.95	"		"		"		"	"			"	"					
22:00 hrs.	Caustic Soda				5.4°C		40°C		38°C		37°C		22°C	Yes			21°C	Yes					
23:00 hrs.	15 kg				"		"		"		"		"	"			"	"					
24:00 hrs.			62068		5.3°C		40°C		38°C		37°C		22°C	Yes			21°C	Yes					

NOTE:

# ETP-LOG BOOK

Date: 21/09/24 148

536

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				pH	Temp.	pH	Temp.	pH	Temp.	pH	Temp.	pH	Temp.	Blowers		pH	Temp.	MBR-2					
00:00 hrs.				3.70	52°C	6.98	40°C	7.85	38°C			7.02	22°C	Yes		7.0	21°C	Yes					
01:00 hrs.		P.S. No. 5	12K1		99	-	99		99			-	99	99		-	99	99					
02:00 hrs.		22/12:30 AM			99	-	99		99			-	99	99		-	99	99					
03:00 hrs.					99	-	99		99			-	99	99		-	99	99					
04:00 hrs.	Davidan Singh				99	-	99		99			-	99	99		-	99	99					
05:00 hrs.	Himanshu			3.70	50°C	6.98	99	7.85	38°C			7.02	22°C	Yes		7.0	21°C	Yes					
06:00 hrs.					99	-	99		99			-	99	99		-	99	99					
07:00 hrs.					99	-	99		99			-	99	99		-	99	99					
08:00 hrs.			62090		46°C	-	70°C	38°C		37°C		22°C			21°C								
09:00 hrs.					"		"		"		"		"		"		"	"					
10:00 hrs.					"		"		"	2.50	"		"	Yes		21°C	Yes						
11:00 hrs.	Bhaginder Singh	P.S. No. 3	2K1		7.0	41°C	7.20	38°C		37°C													
12:00 hrs.	Aditya Shandil				52°C				"			22°C											
13:00 hrs.	Ishan Verma				"		"		"			"											
14:00 hrs.		P.S. No. 4	12K1		58°C		40°C		"				Yes										
15:00 hrs.	Caustic soda 25kg.				"		"		"	2.50		22°C											
16:00 hrs.			62117		"		"	7.25		"		"											
17:00 hrs.					58°C	7.0	40°C	38°C		37°C		22°C	No		21°C								
18:00 hrs.					"	"	"	"		"		"											
19:00 hrs.					58°C	"	40°C	38°C		37.5°C		22°C	Yes		21°C								
20:00 hrs.	Teevan Ram																						
21:00 hrs.	Parveen Kunnath				54°C		40°C	38°C		37.5°C		22°C	Yes		"								
22:00 hrs.	Caustic Soda		62133		"		"	"		"		"											
23:00 hrs.	20kg				51°C		40°C	38°C		37°C		22°C	Yes		21°C								
24:00 hrs.			62135		"		"	"		"		"			"								

NOTE:

62135

# ETP-LOG BOOK

Date 22.09.2024 149

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.		P.S.No-5	12XL	3.70	56°C	6.98	46°C	7.83	38°C	7.50	37°C	7.2	22°C	Yes	7.02	21°C							
01:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"							
02:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"							
03:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"							
04:00 hrs.	Abhay Shantilga			3.70	54°C	6.98	40°C	7.83	38°C	7.50	37°C	7.02	22°C	Yes	7.02	21°C							
05:00 hrs.	Himanshu			"	"	"	"	7.83	"	"	"	"	"		"	"							
06:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"							
07:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"							
08:00 hrs.			62151	3.70	52°C	6.98	40°C	7.83	38°C	7.50	37°C	7.2	22°C	Yes	7.02	21°C							
09:00 hrs.					"	"	"	"	"	37°C	"	"	"		"	yes.							
10:00 hrs.					"	"	"	"	"	"	"	"	"		"	"							
11:00 hrs.					"	"	"	"	"	"	21°C	"	"		"	"							
12:00 hrs.	Sheguda Siga	P.S.No-5	12XL		58°C	6.98	40°C	7.83	38°C	7.50	37°C		yes.		21°C	yes							
13:00 hrs.	Ankush Sharma	at 4.45pm		3.70	"	"	"	"	"	"	"	22°C	"		"	"							
14:00 hrs.				"	"	"	"	"	"	"	"	22°C	"		"	"							
15:00 hrs.	Caustic soda 20Kgs.			"	52°C	39°C	38°C	38°C	37°C			yes.			21°C	yes							
16:00 hrs.			62174	"	"	"	"	"	"	"	"	"	"		"	"							
17:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"							
18:00 hrs.		P.S.No-5	12XL	"	51°C	39°C	38°C	38°C	37°C	37°C	37°C	21°C	yes.		21°C	yes							
19:00 hrs.				"	"	"	"	7.50	"	"	"	"	"		7.03	"							
20:00 hrs.	Jeevan Ram			3.70	50°C	39°C	38°C	38°C	37°C	37°C	37°C	21°C	yes		21°C	yes							
21:00 hrs.	Parveen Kumari			"	"	"	"	"	"	"	"	"	"		"	"							
22:00 hrs.	Caustic Soda			"	47°C	39°C	38°C	38°C	37°C	37°C	37°C	22°C	yes		21°C	yes							
23:00 hrs.	20Kgs			"	"	"	"	"	"	"	"	"	"		"	"							
24:00 hrs.			62197	"	47°C	39°C	38°C	38°C	37°C	37°C	37°C	22°C	yes		21°C	yes							

NOTE:

# ETP-LOG BOOK

Date: 23-09-2022

538

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Und
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			62197	8.82	47°C	6.95	39°C	7.84	38°C	7.51	37°C	7.05	22°C	Yes		7.02	21°C						
01:00 hrs.																							
02:00 hrs.																							
03:00 hrs.																							
04:00 hrs.	Abhay Shandilya			3.82	58°C	6.95	39°C	7.84	38°C	7.50	37°C	7.05	22°C	Yes		7.02	21°C						
05:00 hrs.	Parveen Thakur	P.S.No-4	12KL																				
06:00 hrs.																							
07:00 hrs.																							
08:00 hrs.			62211	3.82	57°C	6.95	39°C	7.84	38°C	7.50	37°C	7.05	22°C	Yes		7.02	21°C						
09:00 hrs.		P.S.No3	8KL																				
10:00 hrs.		P.S.No2	8KL	3.81	58°C		39°C	3.82		37°C		22°C	Yes			21°C	Yes						
11:00 hrs.		P.S.No1	8KL																				
12:00 hrs.	Tecum Ram	P.S.No5	12KL		58°C		39°C	3.82		37°C		22°C	Yes			21°C							
13:00 hrs.	Iskam																						
14:00 hrs.	Ankush			5.62		39°C		3.82		37°C		22°C	Yes			21°C	Yes						
15:00 hrs.	Caustic Soda		62235																				
16:00 hrs.	20Kgs			5.42		39°C		3.82		37°C		22°C	Yes			21°C	Yes						
17:00 hrs.				9.9	6.95	9.9	7.84	9.9	7.50	9.9	7.05	9.9	9.9		7.02	9.9	9.9						
18:00 hrs.				9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		9.9	9.9	9.9						
19:00 hrs.				9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		9.9	9.9	9.9						
20:00 hrs.	Devinder	P.S.No4	12KL	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		9.9	9.9	9.9						
21:00 hrs.	Himasha			5.32		39°C		3.82		37°C		22°C	Yes			21°C	Yes						
22:00 hrs.				9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		9.9	9.9	9.9						
23:00 hrs.			62263	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		9.9	9.9	9.9						
24:00 hrs.				9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9		9.9	9.9	9.9						

NOTE:

# ETP-LOG BOOK

Date: 24.09.15

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.					52°C		39°C		38°C		37°C		21°C	yes		7.02	21°C	yes						
02:00 hrs.				3.80	"		"		"		"		"	"			"	"						
03:00 hrs.					"		"		"		"		"	"			"	"						
04:00 hrs.	Bhaginder Singh		P.S.No-5 12K1																					
05:00 hrs.	Ankush Sharma				56°C		40°C		28°C		37°C			yes			21°C	yes						
06:00 hrs.	Caustic Soda				"		"	7.72	"	7.60	"		"	"			"	"						
07:00 hrs.	24 kg				54°C		"		"		"		"	"			"	"						
08:00 hrs.			P.S.No-3 62288		"		"		"		"		"	"			"	"						
09:00 hrs.			P.S.No-2 8XL	3.80	58°C	6.90	39°C	7.72	38°C	7.60	37°C	7.05	22°C	yes		7.02	21°C	yes						
10:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"						
11:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"						
12:00 hrs.	Abhay Shandilya			"	"	"	"	"	"	"	"	"	"	"		"	"	"						
13:00 hrs.	Ravi Teer Thakur			3.80	52°C	6.90	39°C	7.72	38°C	7.60	37°C	7.05	22°C	yes		7.02	21°C	yes						
14:00 hrs.	Dshan Verma			"	"	"	"	"	"	"	"	"	"	"		"	"	"						
15:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"						
16:00 hrs.			62305	"	"	"	"	"	"	"	"	"	"	"		"	"	"						
17:00 hrs.				3.80	52°C	6.90	39°C	7.72	38°C	7.60	37°C	7.05	22°C	yes		7.02	21°C	yes						
18:00 hrs.			P.S.No4 12K1		97		97		97		97		97	97			97	97						
19:00 hrs.					97		97		97		97		97	97			97	97						
20:00 hrs.	Bhaginder Singh				97		97		97		97		97	97			97	97						
21:00 hrs.	Mimasha				97		97		97		97		97	97			97	97						
22:00 hrs.	Caustic Soda				52°C		39°C		38°C		37°C		22°C	yes			21°C	yes						
23:00 hrs.	12 kg		62326		97		97		97		97		97	97			97	97						
24:00 hrs.					97		97		97		97		97	97			97	97						

NOTE:

# ETP-LOG BOOK

Date. 25-01-2024

540

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.					54°C		40°C		38°C		37°C	22°C	yes			22°C	yes						
01:00 hrs.					"		"		"		"	"	"			"	"						
02:00 hrs.					3.75		690		7.75		"	7.60	"			"	"						
03:00 hrs.		P.S.No.5	12KL		53°C		39°C		"		"	"	"			22°C	yes						
04:00 hrs.	Bhaginder Singh				"		"		"		"	22°C	yes			"	"						
05:00 hrs.	Ashish Sharma				"		"		"		"	"	"			"	"						
06:00 hrs.	Caustic soda 18 kgs				52°C		40°C		38°C		37°C	"	"			"	"						
07:00 hrs.					"		"		"		"	"	"			"	"						
08:00 hrs.			62346		"		"		"		"	"	"			"	"						
09:00 hrs.					53°C		40°C		38°C		37°C	22°C	yes			22°C	yes						
10:00 hrs.					"	6.92	"		"		"	"	1			"	"						
11:00 hrs.		P.S.No.1	8KL		54°C		40°C		38°C		37°C	22°C	yes			22°C	yes						
12:00 hrs.	Jeevan Ram	P.S.No.3	8KL		"		"		"		"	"	"			"	"						
13:00 hrs.	Parveen Kumar	P.S.No.4	12KL		52°C		40°C		38°C		37°C	22°C	yes			22°C	yes						
14:00 hrs.	Ashish Thakur	P.S.No.2	8KL		"		"		"		"	"	"			"	"						
15:00 hrs.	Pardeep Singh				50°C		40°C		38°C		37°C	22°C	yes			21°C	yes						
16:00 hrs.	Caustic Soda		62369		3.75		6.92		7.75		"	7.65	"			"	"						
17:00 hrs.	20 kgs				97		97		97		97	97	97			97	97						
18:00 hrs.					97		97		97		97	97	97			97	97						
19:00 hrs.					50°C		40°C		38°C		37°C	22°C	yes			21°C	yes						
20:00 hrs.	Daavinder				97		97		97		97	97	97			97	97						
21:00 hrs.	Himeshu	P.S.No.5	12KL		97		97		97		97	97	97			97	97						
22:00 hrs.					97		97		97		97	97	97			97	97						
23:00 hrs.			62395		97		97		97		97	97	97			97	97						
24:00 hrs.					97		97		97		97	97	97			97	97						

NOTE:

# ETP-LOG BOOK

Date 26-09-2015

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.					50c		39c		38c		37c		22c	Yes			21c							
02:00 hrs.					"		"		"		"		"	"			"							
03:00 hrs.				3.75	"	6.90	40c	7.75	"		"		"	"			"							
04:00 hrs.	Brigade Singh				42c		"		"		37c		"	"			"							
05:00 hrs.	Ankur Sharma				"		"		"		"		21c	"			21c							
06:00 hrs.					"		"		"		"		"	Yes			"							
07:00 hrs.	Caustic Soda 25kg.				40c		39c		38c		37c		"	"			21c							
08:00 hrs.			62427		"	6.92	"	7.75	"		"		"	"			"							
09:00 hrs.		P.S.No 4	12KL	3.75	45c		39c		38c		37c		21c	Yes			21c							
10:00 hrs.					"		"		"		"		"	"			"							
11:00 hrs.					44c		39c		38c		37c		21c	Yes			21c							
12:00 hrs.	Jeevan Ram				"		"		"		"		"	"			"							
13:00 hrs.	Ashay				46c		39c		38c		37c		21c	Yes			21c							
14:00 hrs.	Sham	P.S.No 3	8KL		"		"		"		"		"	"			"							
15:00 hrs.	Caustic Soda	P.S.No 2	8KL		46c		39c		38c		37c		21c	"			"							
16:00 hrs.	18kg.		62452		"		"		"		"		"	"			21c							
17:00 hrs.				3.75	91	6.92	91	7.75	91		91		91	91			11							
18:00 hrs.		P.S.No 5	12.5L		46c		39c		38c		37c		21c	Yes			21c							
19:00 hrs.					91		11		11		11		11	11			11							
20:00 hrs.	David Singh				91		11		11		11		11	11			11							
21:00 hrs.	Himashu				46c		39c		38c		37c		21c	Yes			21c							
22:00 hrs.	Caustic Soda				91		11		11		11		11	11			11							
23:00 hrs.	12.5g		62475		91		11		11		11		11	11			11							
24:00 hrs.					91		11		11		11		11	11			11							

NOTE:

# ETP-LOG BOOK

Date: 27.09.24 154

542

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit		
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2							
00:00 hrs.																									
01:00 hrs.																									
02:00 hrs.																									
03:00 hrs.																									
04:00 hrs.	Bhagirath Singh																								
05:00 hrs.	Ankush Sharma																								
06:00 hrs.	Caustic Soda	P.S.No-4	12KL																						
07:00 hrs.	20kg.																								
08:00 hrs.			62503																						
09:00 hrs.																									
10:00 hrs.		P.S.No1	8KL																						
11:00 hrs.																									
12:00 hrs.	Jeevan Ram																								
13:00 hrs.	Pahveem Kumari	P.S.No5	12KL																						
14:00 hrs.	Sham Verma																								
15:00 hrs.	Pahdeep Singh																								
16:00 hrs.	Caustic Soda	P.S.No3	8KL																						
17:00 hrs.	20kg.																								
18:00 hrs.																									
19:00 hrs.																									
20:00 hrs.	Rameshwar Singh																								
21:00 hrs.	Abhay																								
22:00 hrs.		P.S.No-4	12KL																						
23:00 hrs.	Caustic Soda		62542																						
24:00 hrs.	15kg.																								

NOTE:

# ETP-LOG BOOK

Date: 2.2.2021 155

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit		
				pH	Temp.	pH	Temp.	pH	Temp.	pH	Temp.	pH	Temp.	Blowers		pH	Temp.	MBR-2							
00:00 hrs.																									
01:00 hrs.																									
02:00 hrs.																									
03:00 hrs.																									
04:00 hrs.	Brajendra Singh																								
05:00 hrs.	Abhey Saurdilya																								
06:00 hrs.																									
07:00 hrs.	Caustic Soda 20kg.																								
08:00 hrs.			62567																						
09:00 hrs.		P.S.No 2	8KL																						
10:00 hrs.																									
11:00 hrs.		P.S.No 4	12KL																						
12:00 hrs.	Teevan Ram																								
13:00 hrs.	Parveen Kumari																								
14:00 hrs.	Pradeep	P.S.No 3	8KL																						
15:00 hrs.	Shame		<del>62567</del>																						
16:00 hrs.			<del>62567</del>																						
17:00 hrs.			62583																						
18:00 hrs.																									
19:00 hrs.		P.S.No 4	12KL																						
20:00 hrs.	Hanidev Singh																								
21:00 hrs.	Himanshu																								
22:00 hrs.	Caustic Soda																								
23:00 hrs.	12kg.		52602																						
24:00 hrs.																									

NOTE:

# ETP-LOG BOOK

Date: 29.05.24 156

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Und	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.			62612		45°C		35°C		38°C		37°C		22	yes			21°C							
01:00 hrs.					"		"		"		"		"	"			"							
02:00 hrs.					3.75				Close				"	"			"							
03:00 hrs.					"		"		"		"		"	"			"							
04:00 hrs.	Bhaginder Singh	P.S.No.5	12KL		45°C		"		"		"		"	"			21°C							
05:00 hrs.	Ankush Sharma				"		"		"		"		"	"			"							
06:00 hrs.					45°C		40°C		38°C		37°C		22	yes			"							
07:00 hrs.	Caustic soda				"		"		"		"		"	"			21°C							
08:00 hrs.	20 Kgs.		62628		"		"		"		"		"	"			"							
09:00 hrs.					"		"		"		"		"	"			"							
10:00 hrs.					"		"		"		"		"	"			"							
11:00 hrs.					"		"		"		"		"	"			"							
12:00 hrs.	Tishan Verma				"		"		"		"		"	"			"							
13:00 hrs.	Dalveer Thakur	P.S.No.4	12KL	3.78	58		40°C		38°C		37°C		22°C	Yes		7.05	22°C							
14:00 hrs.					"		"		"		"		"	"			"							
15:00 hrs.					"		"		"		"		"	"			"							
16:00 hrs.			62648		"	6.85	"	7.90	"	7.60	"	7.70	"	"			"							
17:00 hrs.					56	"	"	"	"	"	"	"	"	"			7.05	22°C						
18:00 hrs.					"	"	"	"	"	"	"	"	"	"			"							
19:00 hrs.					"	"	"	"	"	"	"	"	"	"			"							
20:00 hrs.	Abhay Sharma	P.S.No.5	12KL	3.78	58	6.85	40°C	7.90	38°C	7.60	37°C	7.70	22°C	Yes		7.5	22°C							
21:00 hrs.	Himanshu				"	"	"	"	"	"	"	"	"	"			"							
22:00 hrs.					"	"	"	"	"	"	"	"	"	"			"							
23:00 hrs.					"	"	"	"	"	"	"	"	"	"			"							
24:00 hrs.			62671		53°C	6.85	40°C	7.90	38°C	7.60	37°C	"	22°C	Yes		7.05	22°C							

NOTE:

# ETP-LOG BOOK

Date... 30-09-2024 157

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank		MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.		Blowers	PH	Temp.					
00:00 hrs.				3.75	50c	6.85	40c	7.19	38c	7.58	37c	7.71	22c	Yes	7.40	21c	Yes					
01:00 hrs.					37		37		37		37		37									
02:00 hrs.					37		37		37		37		37									
03:00 hrs.					37		37		37		37		37									
04:00 hrs.	Abhay Shandilya P.S.No-4				37		37		37		37		37									
05:00 hrs.	P. Shan				37		37		37		37		37									
06:00 hrs.					37		37		37		37		37									
07:00 hrs.					37		37		37		37		37									
08:00 hrs.			62180		37		37		37		37		37									
09:00 hrs.		P.S.No-3	812L	3.75	45c	6.95	40c	7.90	38c	7.50	34c	7.70	22c	Yes		21c	Yes					
10:00 hrs.		P.S.No.2	812L		37		37		37		37		37			37	37					
11:00 hrs.		P.S.No.1	812L		37		37		37		37		37			37	37					
12:00 hrs.	@Sandeep	P.S.No.5	1215L		45c		20c		38c		34c		32c	Yes		37	37					
13:00 hrs.	Himashu				37		37		37		37		37			37	37					
14:00 hrs.					37		37		37		37		37			37	37					
15:00 hrs.			62706		37		37		37		37		37			37	37					
16:00 hrs.																						
17:00 hrs.				3.80	51	6.90	40	7.0	37	7.70	37	7.30	22	Yes	-	7.20	21c	Yes	Yes	Yes	Yes	Yes
18:00 hrs.					37		37		37		37		37			37	37					
19:00 hrs.	ANKUSH				37		37		37		37		37			37	37					
20:00 hrs.	PARVEEN				37		37		37		37		37			37	37					
21:00 hrs.					37		37		37		37		37			37	37					
22:00 hrs.					37		37		37		37		37			37	37					
23:00 hrs.					37		37		37		37		37			37	37					
24:00 hrs.		P.S.No-4	12 KL		47c		40c		38		37		22	Yes		37	37					

NOTE: 62731

# ETP-LOG BOOK

Date... 01/158/2024

546

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			6273	3.74	49	6.80	40	7.50	30	7.45	37	7.40	21	Yes		7.00	20	Yes					
01:00 hrs.	ANKUSH			"	"	"	"	"	"	"	"	"	"		"	"	"						
02:00 hrs.	Ishan			"	"	"	"	"	"	"	"	"	"		"	"	"						
03:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
04:00 hrs.			62756	"	"	"	"	"	"	"	"	"	"		"	"	"						
05:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
06:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
07:00 hrs.																							
08:00 hrs.																							
09:00 hrs.		P.S.No2	8152	3.74	50c	6.80	40c	7.50	38c	7.15	37c		22c	Yes	7.00	21c	Yes						
10:00 hrs.		P.S.No3	8152	99		99		99		99		99	99		99	99							
11:00 hrs.		P.S.No5	12122	99		99		99		99		99	99		99	99							
12:00 hrs.	Darshinder Singh			99		99		99		99		99	99		99	99							
13:00 hrs.	Himashu			99		99		99		99		99	99		99	99							
14:00 hrs.	Randeep Singh			48c		40c		38c		37c		22c	Yes		21c	Yes							
15:00 hrs.				99		99		99		99		99	99		99	99							
16:00 hrs.			62786	99		99		99		99		99	99		99	99							
17:00 hrs.				99		99		99		99		99	99		99	99							
18:00 hrs.				42c		40c		38c		37c		22c	Yes		21c	Yes							
19:00 hrs.				"		"		"		"		"	"		"	"							
20:00 hrs.	Bhaginder Singh			3.80	40c	6.90	"	7.68	"	"	"	"	"	7.57	"	"							
21:00 hrs.	Pavleen Kaur			"		40c		38c		"		22c	Yes		21c	Yes							
22:00 hrs.				"		"		"		37c		"	"		"	"							
23:00 hrs.	Caustic Soda			40c		39c		"		"		"	"		"	"							
24:00 hrs.	25kg		62816	"		"		"		"		"	"		"	"							

NOTE:

# ETP-LOG BOOK

Date..02.10.2019

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			62876	3.80	40°C	6.90	39°C	7.68	38°C	7.45	37°C	7.48	22°C	Yes		7.00	21°C	Yes					
01:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
02:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
03:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
04:00 hrs.	Abhay Shandilya			3.80	40°C	6.90	39°C	7.68	38°C	7.65	37°C	7.40	22°C	Yes		7.00	21°C	Yes					
05:00 hrs.	Ishan			11	11	11	11	11	11	11	11	11	11	11		11	11	11					
06:00 hrs.		P.S.No-4	12KL	11	55°C	11	11	11	11	11	11	11	11	11		11	11	11					
07:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
08:00 hrs.			62836	3.80	11	6.90	39°C	7.68	38°C	7.65	37°C	7.40	22°C	Yes		11	11	11					
09:00 hrs.				5.50	-	11	11	11	11	11	11	11	11	11		7.00	21°C	Yes					
10:00 hrs.				11	-	11	11	11	11	11	11	11	11	11		-	11	11					
11:00 hrs.				11	-	11	11	11	11	11	11	11	11	11		-	11	11					
12:00 hrs.	Himanshu			3.80	50°C	6.90	39	3.80	38°C	7.65	37°C	7.40	22°C	Yes		7.00	21°C	Yes					
13:00 hrs.	Himanshu	P.S.No.5	12KL	11	11	11	11	11	11	11	11	11	11	11		11	11	11					
14:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
15:00 hrs.				5.50	39°C	3.80	38°C	3.80	37°C	3.80	37°C	2.90	Yes		2.90	21°C	Yes						
16:00 hrs.			62866	11	11	11	11	11	11	11	11	11	11	11		11	11	11					
17:00 hrs.				11	11	3.80	11	11	11	11	11	11	11	11		11	11	11					
18:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
19:00 hrs.				3.78	46°C	6.95	39°C	7.80	38°C	3.70	37°C	2.90	11	11		2.90	21°C	Yes					
20:00 hrs.	Bhadrinath Singh			11	11	11	11	11	11	11	11	11	11	11		11	11	11					
21:00 hrs.	Pavleen Kaur			11	11	11	11	11	11	11	11	11	11	11		11	11	11					
22:00 hrs.				11	11	11	11	11	11	11	11	11	11	11		11	11	11					
23:00 hrs.	Constr. Suda. 25%			11	11	11	11	11	11	11	11	11	11	11		11	11	11					
24:00 hrs.			62895	11	11	11	11	11	11	11	11	11	11	11		11	11	11					

NOTE:

# ETP-LOG BOOK

Date 03.10.2024 160

548

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			62895	3.75	40°C	6.95	38°C	7.80	38°C	7.70	37°C	7.40	22	Yes		7.10	21°C	Yes					
01:00 hrs.		P.S. No 4	12KL	4	4	4	4	4	4	4	4	4	4	4		4	4	4					
02:00 hrs.				4	4	4	4	4	4	4	4	4	4	4		4	4	4					
03:00 hrs.				4	4	4	4	4	4	4	4	4	4	4		4	4	4					
04:00 hrs.	Abhay Shandilya			3.75	48°C	6.95	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes		7.10	21°C	Yes					
05:00 hrs.	Rehan			4	4	4	4	4	4	4	4	4	4	4		4	4	4					
06:00 hrs.		P.S. No 4	12KL	4	4	4	4	4	4	4	4	4	4	4		4	4	4					
07:00 hrs.				4	4	4	4	4	4	4	4	4	4	4		4	4	4					
08:00 hrs.			62915	3.78	52°C	6.95	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes		7.10	21°C	4					
09:00 hrs.		P.S. No 3			99		99		99		99		99	99			99	Yes					
10:00 hrs.		P.S. No 2			99		99		99		99		99	99			99	99					
11:00 hrs.		P.S. No 1		3.78	99	6.95	99	7.80	99	7.70	99	7.40	99	99		4.00	99	99					
12:00 hrs.	Dasvinder				50°C		38°C		37°C		37°C		22°C	Yes			21°C	Yes					
13:00 hrs.	Himashu				99		99		99		99		99	99			99	99					
14:00 hrs.	Randeep Singh				99		99		99		99		99	99			99	99					
15:00 hrs.			62922		50°C		38°C		37°C		37°C		22°C	99			21°C	Yes					
16:00 hrs.					99		99		99		99		99	99			99	99					
17:00 hrs.					48°C		48°C		48°C		48°C		48°C	Yes			21°C	4					
18:00 hrs.				3.8	4		4		4		4		4	4			4	4					
19:00 hrs.					4		4		4		4		4	4			4	4					
20:00 hrs.	Bhagwanta Singh				43°C	6.90	38°C		37°C		37°C		22°C	4			21°C	Yes					
21:00 hrs.	Ankush Sharma	P.S. No 4	12KL		58°C		4		4		4		4	4			4	4					
22:00 hrs.					4		4		4		4		4	4			4	4					
23:00 hrs.		P.S. No 5	12KL		55°C		38°C		37°C		37°C		22°C	Yes			4	4					
24:00 hrs.			62927		4		4		4		4		4	4			4	4					

NOTE:

# ETP-LOG BOOK

Date 04.10.2024 **161**

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			7		3.80	55°C	6.90	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes	7.50	21°C	Yes					
01:00 hrs.					11	11	11	11	11	11	11	11	11	11	11	11	11	11					
02:00 hrs.					11	11	11	11	11	11	11	11	11	11	11	11	11	11					
03:00 hrs.					11	11	11	11	11	11	11	11	11	11	11	11	11	11					
04:00 hrs.	Abhay Choudhary				3.80	52°C	6.90	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes	7.50	21°C	Yes					
05:00 hrs.	Pehar				11	11	11	11	11	11	11	11	11	11	11	11	11	11					
06:00 hrs.					11	11	11	11	11	11	11	11	11	11	11	11	11	11					
07:30 hrs.					11	11	11	11	11	11	11	11	11	11	11	11	11	11					
08:00 hrs.			62935	38°C	50°C	6.90	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes	7.50	21°C	Yes						
09:00 hrs.																							
10:00 hrs.	Ankush	P.S.No 3																					
11:00 hrs.	Abhay	P.S.No 2																					
12:00 hrs.	Pinky	P.S.No-4																					
13:00 hrs.																							
14:00 hrs.																							
15:00 hrs.																							
16:00 hrs.			62943																				
17:00 hrs.				46°C	39°C	37°C	37°C	22°C	Yes	21°C	Yes												
18:00 hrs.		P.S.No-5	121L	11	11	11	11	11	11	11	11	11	11	11	11	11	11						
19:00 hrs.				53°C	11	7.25	11	11	11	11	11	11	11	11	11	11	11						
20:00 hrs.	Bharginder Singh			11	6.90	38°C	37°C	7.65	37°C	22°C	Yes	21°C	Yes										
21:00 hrs.	Jaljeen Kumar			11	11	11	11	11	11	11	11	11	11	11	11	11	11						
22:00 hrs.				11	11	11	11	11	11	11	11	11	11	11	11	11	11						
23:00 hrs.				50°C	39°C	37°C	37°C	22°C	11	21°C	Yes												
24:00 hrs.			62951	48°C	11	11	11	11	11	11	11	11	11	11	11	11	11						

NOTE:

# ETP-LOG BOOK

Date... 05.10.2024  
162

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.77	45°C	6.90	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes		7.00	21°C	Yes					
01:00 hrs.																							
02:00 hrs.																							
03:00 hrs.																							
04:00 hrs.	Abhay Chaudhary			3.77	42°C	6.90	38°C	7.80	37°C	7.70	37°C	7.40	22°C	Yes		7.00	21°C	Yes					
05:00 hrs.	Ankush Sharma																						
06:00 hrs.																							
07:00 hrs.																							
08:00 hrs.			62956	3.77	40°C	6.90	38°C	7.80	37°C		37°C	7.40	22°C	Yes		7.00	21°C	Yes					
09:00 hrs.		D.S.No 4	8KL		99		99		99		99		99			99	99						
10:00 hrs.		P.S.No 2	8KL		99		99		99		99		99			99	99						
11:00 hrs.		P.S.No 3	8KL	3.77	40°C	6.90	38°C	7.80	37°C	7.70	37°C	22°C	Yes		2.1°C	Yes							
12:00 hrs.	Pravindan Singh	P.S.No-1	8KL		99		99		99		99		99			99	99						
13:00 hrs.	Himanshu.	P.S.No. 5	8KL		99		99		99		99		99			99	99						
14:00 hrs.					99		99		99		99		99			99	99						
15:00 hrs.					99		99		99		99		99			99	99						
16:00 hrs.			62973		99		99		99		99		99			99	99						
17:00 hrs.					55°C		40°C		38°C		37°C		22°C	Yes		2.1°C	Yes						
18:00 hrs.																							
19:00 hrs.																							
20:00 hrs.	Bhaginder Singh				50°C		38°C		37°C		37°C		22°C	Yes		2.1°C	Yes						
21:00 hrs.	Parveen Kaur																						
22:00 hrs.					48°C																		
23:00 hrs.							39°C		38°C		37°C		22°C	Yes			Yes						
24:00 hrs.			62983																				

NOTE:

# ETP-LOG BOOK

Date 06.10.2024 **163**

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.77	40°C	6.90	38°C	7.70	37°C	7.90	37°C	7.40	22°C	Yes		7.07	21°C	Yes					
01:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
02:00 hrs.		Ps. No-4	12 KL	"	"	"	"	"	"	"	"	"	"		"	"	"						
03:00 hrs.				"	52°C	"	"	"	"	"	"	"	"		"	"	"						
04:00 hrs.	Abhay Shandilya			3.77	"	"	38°C	7.70	37°C	7.90	37°C	7.40	21°C	Yes	7.07	21°C	Yes						
05:00 hrs.	Bhavya Sharma			"	"	"	"	"	"	"	"	"	"		"	"	"						
06:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
07:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
08:00 hrs.			62991	3.77	50°C	6.90	38°C	7.70	37°C	7.90	37°C	7.40	22°C	Yes	7.07	21°C	Yes						
09:00 hrs.		Ps. No-5	12 KL	"	"	"	"	"	"	"	"	"	"		"	"	"						
10:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
11:00 hrs.	Ankur Sharma			3.77	45°C	6.90	37°C	7.70	37°C	7.90	38°C	7.3	22°C	Yes	7.07	21°C	Yes						
12:00 hrs.	Himanshu			"	"	"	"	"	"	"	"	"	"		"	"	"						
13:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
14:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
15:00 hrs.				3.77	48°C	6.92	38°C	7.70	38°C	7.90	38°C	7.40	22°C	Yes	7.07	22°C	Yes						
16:00 hrs.			63007	"	"	"	"	"	"	"	"	"	"		"	"	"						
17:00 hrs.				"	45°C	"	"	"	"	"	"	"	"		"	"	"						
18:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
19:00 hrs.				3.80	"	"	38°C	7.70	38°C	7.90	38°C	2.22	Yes		"	"	"						
20:00 hrs.	Bhagirath Singh			"	42°C	"	38°C	"	"	"	"	"	Yes		"	"	Yes						
21:00 hrs.	Darshan Kumar			"	"	6.90	"	"	"	"	"	"	Yes		2.22	"	"						
22:00 hrs.				"	"	"	"	38°C	38°C	2.22	Yes	"	"		"	"	"						
23:00 hrs.				Recirculation Continues																			
24:00 hrs.			63015																				

NOTE:

# ETP-LOG BOOK

Date: 07.10.24 164

45

552

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank		MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Und
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.		Blowers	PH	Temp.					
00:00 hrs.			63015												7.00	21°C	Yes					
01:00 hrs.																21	21					
02:00 hrs.																21	21					
03:00 hrs.																21	21					
04:00 hrs.	Darshinath Singh	P.S. No. 4	12 KL													21	21					
05:00 hrs.	Mimashi															21	21					
06:00 hrs.																21	21					
07:00 hrs.			63022													21	21					
08:00 hrs.																21	21					
09:00 hrs.																21	21					
10:00 hrs.																21	21					
11:00 hrs.	Ankush Sharma	P.S. No. 3	8 KL	3.76	50°	6.91	39°	7.8	39°	7.8	37°	7.01	22°	Yes	7.01	21°	Yes					
12:00 hrs.	Pooja Thakur	P.S. No. 2	8 KL	"	"	"	"	"	"	"	"	"	"	"	"	"	"					
13:00 hrs.		P.S. No. 1	8 KL	"	"	"	"	"	"	"	"	"	"	"	"	"	"					
14:00 hrs.																"	"					
15:00 hrs.																"	"					
16:00 hrs.			63048													"	"					
17:00 hrs.																"	"					
18:00 hrs.			P.S. No. 5	12 KL	3.80	56°C	6.92	39°C	7.8	39°C	7.8	37°C	7.01	22°C	Yes	7.02	21°C	Yes				
19:00 hrs.																"	"					
20:00 hrs.	Abhay Shambhaji															"	"					
21:00 hrs.	Dhan Verma															"	"					
22:00 hrs.																"	"					
23:00 hrs.																"	"					
24:00 hrs.			63060													"	"					

NOTE:

# ETP-LOG BOOK

Date 08.10.2015.....

353

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs			63060																					
01:00 hrs				3.77	49°C	6.90	39°C	7.80	37°C	7.80	37°C	7.15	22°C	yes	7.10	21°C	yes							
02:00 hrs																								
03:00 hrs																								
04:00 hrs	Darshinder Singh																							
05:00 hrs	Himashu			3.77	48°C	6.90	39°C	7.80	37°C	7.80	37°C	7.15	22°C	yes	7.10	21°C	yes							
06:00 hrs		P.S.No 4	12151																					
07:00 hrs																								
08:00 hrs		63077																						
09:00 hrs					54°C		48°C		38°C		38°C		22°C	yes		21°C	yes							
10:00 hrs		P.S.No-3	8KL																					
11:00 hrs		P.S.No-2	8KL																					
12:00 hrs	Bhaginder Singh										37°C													
13:00 hrs	Pasveen Kaur				50°C	6.95	48°C		38°C				22°C	yes		21°C	yes							
14:00 hrs																								
15:00 hrs		A-320	P.S.No-5	12KL	58°C				38°C		37°C													
16:00 hrs			63101																					
17:00 hrs				3.77	49°	6.91	38°	7.81	39°	7.81	37°	7.15	22°	yes	7.04	21°	yes							
18:00 hrs	Ankush Sharma																							
19:00 hrs	Rohan Sharma																							
20:00 hrs																								
21:00 hrs				3.75	49°	6.90	37°	7.81	39°	7.81	38°	7.15	22°	yes	7.04	21°	yes							
22:00 hrs																								
23:00 hrs																								
24:00 hrs			63126																					

NOTE:

# ETP-LOG BOOK

Date: 09.10.24 166

554

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			63126	3.77	56°C	6.90	40°C	7.80	38°C	7.60	37°C	7.6	22°C	yes	7.00	21°C	yes						
01:00 hrs.				97		97		97		97		97	97		97	97							
02:00 hrs.				97		97		97		97		97	97		97	97							
03:00 hrs.				97		97		97		97		97	97		97	97							
04:00 hrs.	Darindras Singh	P.S.No. 1	12 KL	56°C	40°C	37°C	37°C	22°C	yes	21°C	yes												
05:00 hrs.	Himanshu			97		97		97		97		97	97		97	97							
06:00 hrs.			63140	97		97		97		97		97	97		97	97							
07:00 hrs.				97		97		97		97		97	97		97	97							
08:00 hrs.				97		97		97		97		97	97		97	97							
09:00 hrs.				48°C	40°C	38°C	32°C	22°C	yes	21°C	is												
10:00 hrs.		P.S.No. 3	8 KL	97		97		97		97		97	97		97	97							
11:00 hrs.		P.S.No. 1	8 KL	54°C		7.60																	
12:00 hrs.	Bhagiradas Singh			97	40°C	38°C		22°C	yes	21°C	is												
13:00 hrs.	Himanshu	P.S.No. 5	10 KL	3.75	56°C	6.95	40°C	7.65	38°C	7.60	37°C	7.6	22°C	yes	7.00	21°C	yes						
14:00 hrs.		P.S.No. 2	8 KL	52°C																			
15:00 hrs.				97		97		97		97		97	97		97	97							
16:00 hrs.			63162	97		97		97		97		97	97		97	97							
17:00 hrs.				3.75	50°C	6.95	40°C	7.65	38°C	7.60	37°C	7.6	22°C	yes	7.00	21°C	yes						
18:00 hrs.				97		97		97		97		97	97		97	97							
19:00 hrs.				97		97		97		97		97	97		97	97							
20:00 hrs.	Abhay Shandilya			97		97		97		97		97	97		97	97							
21:00 hrs.	Sham Verma			97		97		97		97		97	97		97	97							
22:00 hrs.		P.S.No. 4	12 KL	3.80	56°C	6.95	40°C	7.65	38°C	7.60	37°C	7.6	22°C	yes	7.00	21°C	yes						
23:00 hrs.				97		97		97		97		97	97		97	97							
24:00 hrs.			63178	97		97		97		97		97	97		97	97							

NOTE:

# ETP-LOG BOOK

Date: 10.10.2024 167

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit		
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2							
00:00 hrs.																									
01:00 hrs.																									
02:00 hrs.																									
03:00 hrs.																									
04:00 hrs.	Tshan Verma																								
05:00 hrs.	Himanshu																								
06:00 hrs.																									
07:00 hrs.																									
08:00 hrs.			63190																						
09:00 hrs.																									
10:00 hrs.																									
11:00 hrs.																									
12:00 hrs.	Bhaginder Singh																								
13:00 hrs.	Ankush Sharma																								
14:00 hrs.	Pinku Ramna																								
15:00 hrs.																									
16:00 hrs.																									
17:00 hrs.																									
18:00 hrs.																									
19:00 hrs.																									
20:00 hrs.	Abhay Shandilya																								
21:00 hrs.	Tshan Verma																								
22:00 hrs.																									
23:00 hrs.																									
24:00 hrs.																									

NOTE:

# ETP-LOG BOOK

Date: 11.10.2024 168

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			63225	8.75	55°C	6.85	38°C	7.80	38°C	7.60	37°C	7.60	22°C	Yes	7.05	21°C	Yes						
01:00 hrs.																							
02:00 hrs.																							
03:00 hrs.																							
04:00 hrs.	Abhay Shandilya			8.75	55°C	6.85	38°C	7.80	38°C	7.60	37°C	7.60	22°C	Yes	7.05	21°C	Yes						
05:00 hrs.	Ankush Sharma																						
06:00 hrs.																							
07:00 hrs.																							
08:00 hrs.			63240	8.75	50°C	6.85	38°C	7.80	38°C	7.60	37°C	7.60	22°C	Yes	7.05	21°C	Yes						
09:00 hrs.		P.S.No-1	8KL	6.85	38°C																		
10:00 hrs.		P.S.No-2	8KL											Yes									
11:00 hrs.		P.S.No-4	12KL	5.85				8.8		3.7		2.2		Yes	2.2	Yes							
12:00 hrs.	Onagi Indar Singh																						
13:00 hrs.	Harveen Kumar				6.90																		
14:00 hrs.	Pinku Ranna																						
15:00 hrs.				5.4	3.8	3.8	3.7	2.2	Yes	2.2	Yes												
16:00 hrs.			63260																				
17:00 hrs.																							
18:00 hrs.		P.S.No-5	12KL	5.8	4.90	3.8	3.8	7.60	3.7	7.60	2.2	Yes	7.05	2.2	Yes								
19:00 hrs.																							
20:00 hrs.	Abhay Shandilya						7.80																
21:00 hrs.	Ishan Verma									7.60													
22:00 hrs.				5.8	6.90	3.8	3.8	7.60	3.7		2.2	Yes	7.05	2.2	Yes								
23:00 hrs.																							
24:00 hrs.			63276																				

NOTE: Caustic Soda. 10 Bags Issue d. from Store.

# ETP-LOGBOOK

Date 12.10.24 169

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.		63270		3.75	50°C	6.90	40°C	7.89	37°C	7.70	37°C	7.19	22°C	Yes		7.10	21°C	Yes					
01:00 hrs.					91		91		91		91		91	11			91	91					
02:00 hrs.					91		91		91		91		91	11			91	91					
03:00 hrs.					91		91		91		91		91	11			91	91					
04:00 hrs.	Wenudon Singh				50°C		40°C	87°C		37°C		22°C	Yes				21°C	Yes					
05:00 hrs.	Mimachu	P.S.No-1	121L	3.75	91	4.90	91	7.89	91	7.70	91	7.03	91	91	7.10	91	91						
06:00 hrs.					91		91		91		91		91	11			91	91					
07:00 hrs.					91		91		91		91		91	11			91	91					
08:00 hrs.		63289			50°C		40°C	37°C		37°C		22°C	Yes				21°C	Yes					
09:00 hrs.					"		"	"	"	"	"	"	"	"			"	"					
10:00 hrs.		P.S.No-2	RKL		50°C		"	7.80	38°C		"	"	"	"			"	"					
11:00 hrs.		P.S.No-3	RKL	3.80	"	40°C		"	"	"	"	"	"	"			21°C	Yes					
12:00 hrs.	Bhagat Singh	P.S.No-5	12KL		58°C	7.05	"	"	"	"	"	22°C	Yes			"	"						
13:00 hrs.	Pas Jeen Kumar				"	"	"	38°C		37°C		"	"			"	"						
14:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	Yes					
15:00 hrs.					53°C		39°C	38°C		37°C		"	"	"		"	"	Yes					
16:00 hrs.			63315		"	"	"	"	"	"	"	"	"	"			21°C	"					
17:00 hrs.																							
18:00 hrs.				3.80	53°C	7.05	39°C	7.80	38°C	7.70	37°C	7.03	22°C	Yes		7.00	21°C	Yes					
19:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
20:00 hrs.	Abhay Chandigar				"	"	"	"	"	"	"	"	"	"		"	"	"					
21:00 hrs.	Ankush				"	"	"	"	"	"	"	"	"	"		"	"	"					
22:00 hrs.		P.S.No-4	RKL	3.80	56°C	7.05	39°C	7.80	38°C	7.70	37°C	7.03	22°C	Yes		7.00	21°C	Yes					
23:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
24:00 hrs.			63325		"	"	"	"	"	"	"	"	"	"		"	"	"					

NOTE:

# ETP-LOG BOOK

Date... 13/11/2024

558

170

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH		Temp.	Blowers	PH					
00:00 hrs.		63325	63325	3.76	52°	6.82	38°	7.64	38°	7.64	38°	7.6	22°	yes.		7.05	21°	yes.					
01:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
02:00 hrs.				"	52°	"	38°	"	39°	"	38°	"	22°	"		"	"	"					
03:00 hrs.	ANKUSH SHARMA			"	"	6.82	"	7.84	"	"	"	7.60	"	yes.		7.05	22°	"					
04:00 hrs.	HIMANSHU			3.75	"	"	"	"	"	7.64	"	"	"	"		"	"	yes.					
05:00 hrs.		P.S.No. 5	12KL	"	"	"	"	"	"	"	"	"	"	"		"	"	"					
06:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
07:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
08:00 hrs.			63343	"	"	"	"	"	"	"	"	"	"	"		"	"	"					
09:00 hrs.					48°C		38°C		38°C		38°C		22°C	yes		21°C		yes					
10:00 hrs.					"		"		"		"		"	"		"	"	"					
11:00 hrs.					45°C	7.05	"	"	"	"	7.72	"	"	"		"	"	"					
12:00 hrs.	Rohit Singh			3.78	"		40°C	7.82	38°C		38°C		22°C	yes		21°C		yes					
13:00 hrs.	Darshan Kumar			"	"		"	"	"		"	"	"	"		"	"	"					
14:00 hrs.					43°C		"	"	"		38°C		"	"		"	"	"					
15:00 hrs.					"		40°C		38°C		"		22°C	yes		21°C		yes					
16:00 hrs.			63361		40°C		"	"	"		"		"	"		"	"	"					
17:00 hrs.							"	"	"	"	"	"	"	yes		"	"	"					
18:00 hrs.						6.82	35°C	"	"	"	"	"	"	"		"	"	"					
19:00 hrs.						"	"	"	"	"	"	"	"	"		"	"	"					
20:00 hrs.	Abhay Chaudhary					"	"	7.60	38°C	7.66	38°C	7.60	22°C	"		7.05	21°C	yes					
21:00 hrs.	Rohan Verma					"	"	"	"	"	"	"	"	yes		"	"	"					
22:00 hrs.						6.82	35°C	"	"	"	"	"	"	"		"	"	"					
23:00 hrs.		P.S.No. 4	12kl	3.80	58°C	"	"	"	"	"	"	"	"	"		"	"	"					
24:00 hrs.				"	"	"	"	"	"	7.66	"	7.60	"	"		7.05	21°C	"					

NOTE:

# ETP-LOGBOOK

Date 14/10/24 **171**

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.		ESSE	63361	3.78	50°	6.90	37°	7.37	37°	7.6	37°	7.5	22°	Yes		7.07	21°	Yes					
01:00 hrs.					"		"		"		"		"			"	"						
02:00 hrs.	ANKUSH SHARMA				"		"		"		"		"			"	"						
03:00 hrs.	PARVEEN TUNDA				48°		38°		"		"		"			"	"						
04:00 hrs.		P.S.No.5	12 KL		"		"		37°		37°		"		7.06	21°	Yes						
05:00 hrs.				3.78	"		"		"		"		22°	Yes		"	"						
06:00 hrs.					"	6.91	"	7.87	"	7.67	"		"			"	"						
07:00 hrs.					"		"	"	"		"		"			"	"						
08:00 hrs.			63380		"		"		"		"		"			"	"						
09:00 hrs.		P.S.No-3	8KL	3.78	52°c	6.91	38°c	7.57	37°c	7.67	37°c	7.5	22°c	Yes	7.04	21°c	Yes						
10:00 hrs.		P.S.No-2	8KL	"	"	"	"	"	"	"	"	"	"		"	"	"						
11:00 hrs.		P.S.No-1	8KL	"	"	"	"	"	"	"	"	"	"		"	"	"						
12:00 hrs.	Abhay Shandilya			"	"	"	"	"	"	"	"	"	"		"	"	"						
13:00 hrs.	Gihan Vima			3.76	50°c	6.91	38°c	7.87	37°c	7.67	37°c	7.5	22°c	Yes	7.04	21°c	Yes						
14:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
15:00 hrs.		P.S.No-4	12KL	"	"	"	"	"	"	"	"	"	"		"	"	"						
16:00 hrs.		3:30 PM	63393	"	"	"	"	"	"	"	"	"	"		"	"	"						
17:00 hrs.				3.76	50°c	6.91	38°c	7.87	37°c	7.67	37°c	7.5	22°c	Yes	7.04	21°c	Yes						
18:00 hrs.					49		49		49		49		49	49		49	49						
19:00 hrs.					47		47		47		47		47	47		47	47						
20:00 hrs.	Darinder Singh	D.S.No5	12 KL	"	"	"	47	"	47	7.61	"	"	"		"	Yes							
21:00 hrs.	Himanshu				50°c		38°c		37°c		37°c		22°c	Yes		21°c	"						
22:00 hrs.					47		47		47		47		47	47		47	47						
23:00 hrs.			63410		47		47		47		47		47	47		47	47						
24:00 hrs.					47		47		47		47		47	47		47	47						

NOTE:

# ETP-LOG BOOK

Date...15.10.24

560

172

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit		
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2							
00:00 hrs.																									
01:00 hrs.																									
02:00 hrs.																									
03:00 hrs.																									
04:00 hrs.	Bhaginder Singh																								
05:00 hrs.	Himbanshu																								
06:00 hrs.																									
07:00 hrs.																									
08:00 hrs.																									
09:00 hrs.																									
10:00 hrs.																									
11:00 hrs.	Ankush Sharma																								
12:00 hrs.	Parveen Prakash																								
13:00 hrs.																									
14:00 hrs.																									
15:00 hrs.																									
16:00 hrs.																									
17:00 hrs.																									
18:00 hrs.																									
19:00 hrs.																									
20:00 hrs.	Bhaginder Singh																								
21:00 hrs.	Ishan Verma																								
22:00 hrs.																									
23:00 hrs.																									
24:00 hrs.																									

NOTE:

# ETP-LOGBOOK

Date: 16.01.2017

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.					42°C		46°C		38°C		37°C	22	Yes			21	Yes							
02:00 hrs.					"		"		"		"	"	"			"	"							
03:00 hrs.					"		"		"		"	"	"			"	"							
04:00 hrs.	Bhrajinder Singh				48°C		41°C		38°C		37°C	21	Yes			21	Yes							
05:00 hrs.	Talveen Kumar				"		"		"		"	"	"			"	"							
06:00 hrs.				378	"		"		"		"	"	"			"	"							
07:00 hrs.		PS.No. 4	12KL		56°C		39°C	7.78	38°C		37°C	21	"			21	Yes							
08:00 hrs.					"		"		"		"	Yes				"	"							
09:00 hrs.			63493		51°C		"		"		"	"	"			"	"							
10:00 hrs.		P.S.No. 3	8KL		"		"		"		"	"	"			"	"							
11:00 hrs.		P.S.No. 2	8KL	3-80	58°C	6.92	39°C	7.78	38°C	7.60	37°C	7.50	21°C	Yes		7.15	21°C	Yes						
12:00 hrs.	Abhay Shandilya				"	"	"	"	"	"	"	"	"			"	"							
13:00 hrs.	Tshan Verma				"	"	"	"	"	"	"	"	"			"	"							
14:00 hrs.	Pinku Rana				3-80	56°C	6.92	39°C	7.78	38°C	7.60	37°C	7.50	21°C	Yes		7.05	21°C	Yes					
15:00 hrs.					"	"	"	"	"	"	"	"	"			"	"							
16:00 hrs.			63509		"	"	"	"	"	"	"	"	"			"	"							
17:00 hrs.		P.S.No. 5	12KL		"	"	"	"	"	"	"	"	"			"	"							
18:00 hrs.					3-82	58	6.92	39°C	7.78	38°C	7.60	37°C	7.50	21°C	Yes		7.05	21°C	Yes					
19:00 hrs.					"	"	"	"	"	"	"	"	"			"	"							
20:00 hrs.	Abhay Shandilya				"	"	"	"	"	"	"	"	"			"	"							
21:00 hrs.	Himanshu Verma				"	"	"	"	"	"	"	"	"			"	"							
22:00 hrs.					3-80	56°C	6.92	39°C	7.78	38°C	7.60	37°C	7.50	21°C	Yes		7.05	21°C	Yes					
23:00 hrs.					"	"	"	"	"	"	"	"	"			"	"							
24:00 hrs.			63527		"	"	"	"	"	"	"	"	"			"	"							

NOTE:

# ETP-LOG BOOK

Date... 17/11/24

562

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.					42°C		39°C		38°C		38°C	22°C	Yes		21°C	Yes							
01:00 hrs.					"		"		"		"	"	"		"	"							
02:00 hrs.					"		"		"		"	"	"		"	"							
03:00 hrs.					40°C		39°C	7.75	38°C		38°C	22°C	Yes		21°C	Yes							
04:00 hrs.	Bhuginder Singh				"		"		"		"	"	"		"	"							
05:00 hrs.	Praveen Kumar				"		"		"		"	"	"		"	"							
06:00 hrs.		P.S.No 4	12KL		"		"		"		"	"	"		"	"							
07:00 hrs.					58°C		40°C		38°C		38°C	22°C	Yes		21°C	Yes							
08:00 hrs.			63553		"		"		"		"	"	"		"	"							
09:00 hrs.					"		"		"		"	"	"		"	"							
10:00 hrs.					"		"		"		"	"	"		"	"							
11:00 hrs.					50°C		40°C		38°C		38°C	22°C	Yes		21°C	Close							
12:00 hrs.	Abhay Shandilya			3.75	"		"		"		"	"	"		"	"							
13:00 hrs.	Ishan Verma	P.S.No-5	12KL	"	"	6.90	"		"	7.10	"	7.50	"		"	start							
14:00 hrs.					"	49°C	"	38°C	7.75	38°C	"	38°C	"	22°C	Yes	"	"						
15:00 hrs.					"	"	"	"	"	"	"	"	"		"	"							
16:00 hrs.			63563		"	"	"	"	"	"	"	"	"		"	"							
17:00 hrs.					49°C		38°C		38°C		38°C	22°C	Yes		21°C	Yes							
18:00 hrs.				3.75	99	6.90	99	7.75	99	7.75	99	99	99		99	99							
19:00 hrs.					99		99		99		99	99	99		99	99							
20:00 hrs.	Ravinder Singh				99		99		99		99	99	99		99	99							
21:00 hrs.	Mirza Ali				99		99		99		99	99	99		99	99							
22:00 hrs.		P.S.No 4	1215L		49°C		38°C		38°C		38°C	22°C	Yes		21°C	Yes							
23:00 hrs.			63572		99		99		99		99	99	99		99	99							
24:00 hrs.					99		99		99		99	99	99		99	99							

NOTE:

# ETP-LOG BOOK

Date... 18/10/24 175

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.						46°C		40°C		37°C		37°C	21°C	Yes		20°C	Yes							
02:00 hrs.						"		"		"		"	"			"	"							
03:00 hrs.						"		"		"		"	"			"	"							
04:00 hrs.	Shagender Singh					42°C		40°C	7.75	37°C		37°C	7.50	21°C	Yes		20°C	Yes						
05:00 hrs.	Parveen Kumar					"	7.05	"		"	7.68	"	"			"	"							
06:00 hrs.		P.S.No.	12 KL			"		"		"		"	"			"	"							
07:00 hrs.		5				50°C		39°C		37°C		37°C	"	Yes		20°C	Yes							
08:00 hrs.			63595			"		"		"		"	"			"	"							
09:00 hrs.		P.S.No-3	8 KL			"		"		"		"	"			"	"							
10:00 hrs.		P.S.No-2	8 KL			55°C	7.05	39°C	7.75	37°C	7.18	37°C	7.50	21°C	Yes	7.10	20°C	Yes						
11:00 hrs.		P.S.No-1	8 KL			"	"	"	"	"	"	"	"			"	"							
12:00 hrs.	Abhay Shandilya					"	"	"	"	"	"	"	"			"	"							
13:00 hrs.	Ankush Sharma					53°C	7.05	39°C	7.75	37°C	7.18	37°C	7.50	21°C	Yes	7.10	20°C	Yes						
14:00 hrs.	Pinku Rana					"	"	"	"	"	"	"	"			"	"							
15:00 hrs.						"	"	"	"	"	"	"	"			"	"							
16:00 hrs.						360	52°C	7.05	39°C	7.75	37°C	7.18	37°C	7.50	21°C	Yes	7.10	20°C	Yes					
17:00 hrs.						"		"		"		"	"			"	"							
18:00 hrs.		P.S.No-4	12 KL			"		"		"		"	"			"	"							
19:00 hrs.						"		"		"		"	"			"	"							
20:00 hrs.	Ravi Singh					50°C		39°C		37°C		"	21°C	Yes		"	"							
21:00 hrs.	Mimesha					"		"		"		"	21°C	Yes		20°C	Yes							
22:00 hrs.						"		"		"		"	"			"	"							
23:00 hrs.		P.S.No-5	12 KL			"		"		"		"	"			"	"							
24:00 hrs.						"		"		"		"	"			"	"							

NOTE:

# ETP-LOG BOOK

Date 11.10.2024 176

364

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit		
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2							
00:00 hrs.																									
01:00 hrs.																									
02:00 hrs.																									
03:00 hrs.																									
04:00 hrs.	Bhaginder Singh			3.78	52°C																				
05:00 hrs.	Parveen Kumar																								
06:00 hrs.					50°C																				
07:00 hrs.																									
08:00 hrs.				63643																					
09:00 hrs.																									
10:00 hrs.		PS.No-2	8KL	3.78	50°C	6.98	39°C	7.15	37°C	7.18	36°C	7.50	20°C	Yes		7.10	20°C	Yes							
11:00 hrs.		PS.No-3	8KL																						
12:00 hrs.	Abhay Shandhya																								
13:00 hrs.	Ankush Sharma	PS.No-4	12KL	3.78	58°C	6.98	39°C	7.25	37°C	7.18	36°C	7.50	20°C	Yes		7.10	20°C	Yes							
14:00 hrs.																									
15:00 hrs.																									
16:00 hrs.				63657																					
17:00 hrs.																									
18:00 hrs.					58°C	6.98	39°C	7.15	37°C	7.18	36°C	7.18	21°C	Yes											
19:00 hrs.		PS.No-5	12KL		99		91		91		91		99	99											
20:00 hrs.	Navinder				99		91		91		91		99	99											
21:00 hrs.	Prakash				99		91		91		91		99	99											
22:00 hrs.					58°C		39°C		37°C		36°C		21°C	99											
23:00 hrs.				63672																					
24:00 hrs.																									

OTE:

# ETP-LOG BOOK

Date... 20/10/2017

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			63672		50°C		40°C		37°C		37°C		20°C	yes		20°C	yes						
01:00 hrs.					"		"		"		"		"			"	"						
02:00 hrs.					"		"		"		"		"			"	"						
03:00 hrs.					"		"		"		"		"			"	"						
04:00 hrs.	Bharginder Singh		96 KL		48°C		40°C		37°C		"		20°C	yes		"	"						
05:00 hrs.	Parveen Kumar				"		"		"		37°C		"			20°C	"						
06:00 hrs.					"		"		37°C		"		"			"	"						
07:00 hrs.		P.S.No-4	12 KL		58°C		39°C		"		"		20°C			"	"						
08:00 hrs.			3698		"		"		"		"		"			"	"						
09:00 hrs.		P.S.No-3	8 KL		"		"		"		"		"			"	"						
10:00 hrs.		P.S.No-1	8 KL	3.18	"	6.90	39°C	7.75	37°C	7.70	37°C	7.50	20°C	Yes	7.05	20°C	Yes						
11:00 hrs.		P.S.No-2	8 KL		58°C	"	"	"	"	"	"	"	"	"	"	"	"						
12:00 hrs.	Abhay Shandhye				"	"	"	"	"	"	"	"	"	"	"	"	"						
13:00 hrs.	Himanshu		17 KL		"	"	"	"	"	"	"	"	"	"	"	"	"						
14:00 hrs.				3.18	57°C	6.90	39°C	7.75	37°C	7.70	37°C	7.50	20°C	Yes	7.05	20°C	Yes						
15:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"						
16:00 hrs.			63715		"	"	"	"	"	"	"	"	"	"	"	"	"						
17:00 hrs.				3.61	52°C	6.90	38°C	7.77	36°C	7.72	37°C	7.51	20°C	Yes	7.09	20°C	Yes						
18:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"						
19:00 hrs.	Ankush Sharma				"	"	"	"	"	"	"	"	"	"	"	"	"						
20:00 hrs.	Himanshu	P.S.No.5	12 KL	15 KL	54°C		39°C		36°C		37°C		"	yes		"	yes						
21:00 hrs.					"		"		"		"		"	"		"	"						
22:00 hrs.				3.61	"	6.91	"	7.74	"	7.72	"	7.50	20°C	"	7.01	20°C	"						
23:00 hrs.					"		"		"		"		"	"		"	"						
24:00 hrs.			63730		"		"		"		"		"	"		"	"						

NOTE:

# ETP-LOG BOOK

Date... 21/11/2024

566

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.61	52°C	6.90	39°C	7.72	38°C	7.70	37°C	7.50	20°C	Yes		7.00	20°C						
01:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"						
02:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"						
03:00 hrs.			13K	"	"	"	"	"	"	"	"	"	"	"		"	"						
04:00 hrs.	Abhay Shandilya			3.61	50°C	6.90	39°C	7.72	38°C	7.70	37°C	7.50	20°C	Yes		7.00	20°C						
05:00 hrs.	Praveen Thakur (OT)			"	"	"	"	"	"	"	"	"	"	"		"	"						
06:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"						
07:00 hrs.		P.S.No-9	12K L	"	58°C	"	"	"	"	"	"	"	"	"		"	"						
08:00 hrs.			68743	3.61	"	6.90	39°C	7.72	38°C	7.70	37°C	7.50	20°C	Yes		7.00	20°C						
09:00 hrs.					58°C		39°C		38°C		37°C		20°C	Yes									
10:00 hrs.					58°C		39°C		38°C		37°C		20°C	Yes									
11:00 hrs.		P.S.No-3	8K L	3.61	58°C	6.98	39°C	7.72	38°C	7.70	37°C	7.50	20°C	Yes		7.00	20°C						
12:00 hrs.	Darinder Singh	P.S.No-3	8K L	3.61	58°C	6.98	39°C	7.72	38°C	7.70	37°C	7.50	20°C	Yes		7.00	20°C						
13:00 hrs.	Himashu			"	"	"	"	"	"	"	"	"	"	Yes		"	"						
14:00 hrs.	caustic soda			"	"	"	"	"	"	"	"	"	"	Yes		"	"						
15:00 hrs.	16 Kg	P.S.No-5	12K L	"	"	"	"	"	"	"	"	"	"	Yes		"	"						
16:00 hrs.			68742	"	"	"	"	"	"	"	"	"	"	Yes		"	"						
17:00 hrs.					58°C		38°C		38°C		38°C		20°C	Yes		20°C	Yes						
18:00 hrs.	Ankush Sharma			"	"	"	"	"	"	"	"	"	"	Yes		"	"						
19:00 hrs.	Praveen Thakur			3.60	"	6.88	"	7.72	"	7.71	"	7.52	"	Yes	7.00	"	"						
20:00 hrs.				"	"		38°C	"	"	"	"	"	"	Yes		"	"						
21:00 hrs.	Caustic Soda				59°C		"		37°C		37°C		"	Yes		"	"						
22:00 hrs.	10 kg				"		"		"		"		"	Yes		"	"						
23:00 hrs.					"		"		"		"		"	Yes		"	"						
24:00 hrs.			68791	"	"	"	"	"	"	"	"	"	"	Yes		"	"						

NOTE:

# ETP-LOGBOOK

Date 22.10.2019

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.61	52°C	6.90	38°C	7.70	38°C	7.74	37°C	7.40	20°C	yes		7.04	20°C	yes					
01:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
02:00 hrs.	Ankush Sharma				"	"	"	"	"	"	"	"	"	"		"	"	"					
03:00 hrs.	Parveen Thakur	P.S.No.4	12KL		54°C	38°C		37°C		37°C		20°C	yes			20°C	yes						
04:00 hrs.				3.41	"	"	"	"	"	"	"	"	"	"		"	"	"					
05:00 hrs.	Anushil Sulek				"	6.92	"	7.74	"	7.76	"	7.56	"	"		7.09	"	"					
06:00 hrs.	10 kg				"	"	"	"	"	"	"	"	"	"		"	"	"					
07:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
08:00 hrs.			63821		"	"	"	"	"	"	"	"	"	"		"	"	"					
09:00 hrs.					55°C	38°C		38°C		38°C		20°C	yes			20°C	yes						
10:00 hrs.	Ankush Sharma				"	"	"	"	"	"	"	"	"	"		"	"	"					
11:00 hrs.	Himanshu	P.S.No.-5	12KL	3.65	58°C	39°C		38°C		38°C		21°C	"			20°C	"						
12:00 hrs.		P.S.No-1	8KL		"	6.90	"	7.70	"	7.71	"	7.30	"	yes		7.01	"	yes					
13:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
14:00 hrs.		P.S.No-3	8KL		"	"	"	"	"	"	"	"	"	"		"	"	"					
15:00 hrs.					"	"	"	"	"	"	"	"	yes			"	yes						
16:00 hrs.			63826		"	"	"	"	"	"	"	"	"	"		"	"	"					
17:00 hrs.					55°C	40°C		38°C		38°C		20°C	yes			20°C	"						
18:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
19:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
20:00 hrs.	Bhaginder Singh				"	6.98	"	"	"	"	"	"	"	"		20°C	yes						
21:00 hrs.	Pradeep Kumar		63836	3.70	50°C	39°C	7.60	38°C		37°C		20°C	yes			"	"						
22:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					
23:00 hrs.					48°C	59°C		"		"		"	"	"		20°C	"						
24:00 hrs.					"	"	"	"	"	"	"	"	"	"		"	"	"					

NOTE:

# ETP-LOG BOOK

Date... 23.11.2024

568

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.				3.78	48°C	6.98	39°C	7.65	88°C	7.71	37°C	7.30	20°C	Yes		7.05	20°C							
01:00 hrs.		P.S.No-4	12KL	"	"	"	"	"	"	"	"	"	"	"		"	"							
02:00 hrs.				"	57°C	"	"	"	"	"	"	"	"	"		"	"							
03:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"							
04:00 hrs.	Abhay Shandilya			3.78	"	6.98	39°C	7.65	88°C	7.71	37°C	7.30	20°C	Yes		7.05	20°C							
05:00 hrs.	Parveen Thakur			"	55°C	"	"	"	"	"	"	"	"	"		"	"							
06:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"							
07:00 hrs.		P.S.No-5	12KL	"	"	"	"	"	"	"	"	"	"	"		"	"							
08:00 hrs.			63850	3.75	58°C	6.98	39°C	7.65	88°C	7.71	37°C	7.30	20°C	Yes		7.05	20°C							
09:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"							
10:00 hrs.		P.S.No.2	8KL	"	"	"	"	"	"	"	"	"	"	"		"	"							
11:00 hrs.				3.75	58°C	6.98	39°C	7.65	88°C	7.71	37°C	7.30	20°C	Yes		7.05	20°C							
12:00 hrs.	Daminder	P.S.No.3	8KL	"	"	"	"	"	"	"	"	"	"	"		"	"							
13:00 hrs.	Himashu			"	"	"	"	"	"	"	"	"	"	"		"	"							
14:00 hrs.			63869	"	"	"	"	"	"	"	"	"	"	"		"	"							
15:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"							
16:00 hrs.				"	52°C	"	40°C	"	38°C	"	57°C	"	20°C	Yes		"	20°C	Yes						
17:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"							
18:00 hrs.				"	50°C	"	"	"	"	"	"	"	"	"		7.05	"							
19:00 hrs.				"	60°C	"	70°C	"	70°C	"	57°C	"	20°C	Yes		20°C	Yes							
20:00 hrs.	Bhaginder Singh			"	"	"	"	"	"	"	"	"	"	"		"	"							
21:00 hrs.	Himanshu	P.S.No.4	12KL	"	58°C	"	40°C	"	38°C	"	"	"	"	"		"	"							
22:00 hrs.	Anglic Sarda			"	"	"	"	"	"	"	"	"	"	"		"	"							
23:00 hrs.	Lok es.			"	55°C	"	"	"	88°C	"	37°C	"	20°C	Yes		20°C	"							
24:00 hrs.			73880	"	"	"	"	"	"	"	"	"	"	"		"	"							

NOTE:

# ETP-LOG BOOK

Date 24.10.2024

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.75	55°C	6.90	39°C	7.70	38°C	7.15	37°C	7.30	20°C	Yes	7.05	20°C	Yes						
01:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
02:00 hrs.		P.S.No.5	12KL	"	58°C	"	"	"	"	"	"	"	"		"	"	"						
03:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
04:00 hrs.	Abhay Shrivastava			3.75	52°C	6.90	39°C	7.70	38°C	7.65	37°C	7.30	20°C	Yes	7.05	20°C	Yes						
05:00 hrs.	Isham Verma			"	"	"	"	"	"	"	"	"	"		"	"	"						
06:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
07:00 hrs.				"	"	"	"	"	"	"	"	"	"		"	"	"						
08:00 hrs.			63892	3.7	50°C	6.90	39°C	7.70	38°C	7.15	37°C	7.30	20°C	Yes	7.05	20°C	Yes						
09:00 hrs.		Cin Water			99		99		99		99		99			99	99						
10:00 hrs.		P.S.No.2	2KL		99		99		99		99		99			99	99						
11:00 hrs.		P.S.No.3	2KL	3.75	50°C	6.90	39°C	7.70	38°C	7.65	37°C	7.30	20°C	Yes	7.05	20°C	Yes						
12:00 hrs.	Abhinav				99		99		99		99		99			99	99						
13:00 hrs.	Ankush Sharma				99		99		99		99		99			99	99						
14:00 hrs.					99		99		99		99		99			99	99						
15:00 hrs.			63910		99		99		99		99		99			99	99						
16:00 hrs.					99		99		99		99		99			99	99						
17:00 hrs.					45°C		40°C		30°C		27°C		20°C	Yes		20°C	Yes						
18:00 hrs.		P.S.No.4	12KL		"		"		"		"		"			"	"						
19:00 hrs.		P.S.No.1	8KL		52°C		"		"		"		"			"	"						
20:00 hrs.	P. Nagaraj				"		"		"		"		"			"	"						
21:00 hrs.	Parveen Kumar				"		48°C		38°C		37°C		20°C	Yes		20°C	Yes						
22:00 hrs.					50°C		"		"		"		"			"	"						
23:00 hrs.	Chaitanya				"		"		"		"		20°C	"		"	"						
24:00 hrs.			63932		"		"		"		"		"			"	"						

NOTE:

75KL

# ETP-LOG BOOK

Date: 25-10-2024

182

570

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.			63932	3.70	50°C	6.90	38°C	7.69	38°C	7.71	38°C	7.35	20°C	Yes		7.10	20°C	Yes					
01:00 hrs.		P.S.No-5	12KL	"	58	"	"	"	"	"	"	"	"	"		"	"	"					
02:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
03:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
04:00 hrs.	Abhay Shandilya			3.70	55°C	6.90	38°C	7.69	38°C	7.71	38°C	7.35	20°C	Yes		7.10	20°C	Yes					
05:00 hrs.	Parveen Thakur			"	"	6.90	38°C	"	"	"	"	"	20°C	"	"	"	"	"					
06:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
07:00 hrs.				"	52°C	"	"	"	"	"	"	"	"	"		"	"	"					
08:00 hrs.			63945	3.70	"	6.90	38°C	7.69	38°C	7.71	38°C	7.35	20°C	Yes		7.10	20°C	"					
09:00 hrs.					52°C		38°C		38°C		38°C		20°C	yes			20°C	yes					
10:00 hrs.	Davinder Singh	P.S.No.2	8KL	3.70	"	6.90	"	7.68	"	7.70	"	7.32	"	"		7.09	"	"					
11:00 hrs.	Ankush Sharma	P.S.No.3	8KL		56°C		38°C		38°C		30°C		20°C	yes			25°C	yes					
12:00 hrs.		P.S.No.4	12KL		"		"		"		"		"	"		"	"	"					
13:00 hrs.																							
14:00 hrs.																							
15:00 hrs.																							
16:00 hrs.			63958		46°C		39°C		37°C		37°C		20°C	yes			20°C	yes					
17:00 hrs.					"		"		"		"		"	"			"	"					
18:00 hrs.					"		"	7.65	"	"	"	"	"	"			"	"					
19:00 hrs.				3.80	42°C	6.92	39°C		37°C		37°C		20°C	"			"	"					
20:00 hrs.	Bhaginder Singh				"		"	"	37°C		37°C		"	"			20°C	yes					
21:00 hrs.	Parveen Kumar				"		"	"	"		"		yes	"			"	"					
22:00 hrs.		P.S.No.5	12KL		55°C		39°C		37°C		37°C		20°C	"			"	"					
23:00 hrs.	Caustic Soda				"		"	"	"		"		"	"			"	"					
04:00 hrs.	stop		63975		"		"	"	"		"		"	"			"	"					

OTE:

# ETP-LOG BOOK

Date 26-10-2024

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.				3.80	52°C	6.92	38°C	7.65	37°C	7.60	37°C	7.32	20°C	Yes	7.09	20°C	Yes							
01:00 hrs.																								
02:00 hrs.																								
03:00 hrs.																								
04:00 hrs.	Abhay Phandilya			3.80	50°C	6.92	38°C	7.65	37°C	7.60	37°C	7.32	20°C	Yes	7.09	20°C	Yes							
05:00 hrs.	Ankur Sh Sharma																							
06:00 hrs.																								
07:00 hrs.																								
08:00 hrs.			63985	3.80	48°C	6.92	38°C	7.65	37°C	7.60	37°C	7.32	20°C	Yes	7.09	20°C	Yes							
09:00 hrs.					99		99		99		99		99			99	99							
10:00 hrs.		P.C.No2	8 KL		99		99		99		99		99			99	99							
11:00 hrs.		P.S.No3			99		99		99		99		99			99	99							
12:00 hrs.	Dawinder Singh				99		99		99		99		99			99	99							
13:00 hrs.	Himashu	P.S.No4	12 KL	3.80	48°C	6.92	38°C	7.65	37°C	7.60	37°C	7.32	20°C	Yes	7.09	20°C	Yes							
14:00 hrs.		Generator	500 Ltr		99		99		99		99		99			99	99							
15:00 hrs.			53998		99		99		99		99		99			99	99							
16:00 hrs.					99		99		99		99		99			99	99							
17:00 hrs.			64005		42°C		37°C		37°C		37°C		20°C			20°C								
18:00 hrs.																								
19:00 hrs.																								
20:00 hrs.	Bhupinder Singh					42°C		37°C		37°C		20°C			20°C	Yes								
21:00 hrs.	Janveer Kumar	P.S.No5	12 KL	3.75	52°C																			
22:00 hrs.																								
23:00 hrs.	Carastic Soda							37°C		37°C		20°C												
24:00 hrs.	20 KPL		64030																					

NOTE:

# ETP-LOG BOOK

Date... 27.11.24

572

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.70	50°C	6.92	38°C	7.65	37°C	7.56	37°C	7.40	20°C	Yes		7.10	20°C	Yes					
01:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
02:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
03:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
04:00 hrs.	Abhay Shandilya			3.70	50°C	6.92	38°C	7.65	37°C	7.56	37°C	7.40	20°C	Yes		7.10	20°C	Yes					
05:00 hrs.	Ashish Verma			"	"	"	"	"	"	"	"	"	"	"		"	"	"					
06:00 hrs.	Caustic Soda			"	"	"	"	"	"	"	"	"	"	"		"	"	"					
07:00 hrs.	20kg ✓	P.S.No-4	12KL	"	55	"	"	"	"	"	"	"	"	"		"	"	"					
08:00 hrs.			64043	3.70	"	6.92	38°C	7.65	37°C	7.56	37°C	7.40	20°C	Yes		7.10	20°C	Yes					
09:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
10:00 hrs.				3.70	57°C	6.92	38°C	7.62	38°C	7.60	38°C	7.40	20°C	Yes		7.10	20°C	Yes					
11:00 hrs.	Anish Sharma			"	"	"	"	"	"	"	"	"	"	"		"	"	"					
12:00 hrs.	Himanshu			"	"	"	"	"	"	"	"	"	"	"		"	"	"					
13:00 hrs.	Caustic Soda			"	58°C	"	38°C	"	36°C	"	38°C	"	20°C	Yes		"	20°C	Yes					
14:00 hrs.	20kg ✓			"	"	"	"	"	"	"	"	"	"	"		"	"	"					
15:00 hrs.		P.S.No-5	12KL	3.70	"	6.90	"	7.64	"	7.60	"	7.44	"	Yes		7.08	"	Yes					
16:00 hrs.			64060	"	"	"	"	"	"	"	"	"	"	"		"	"	"					
17:00 hrs.				"	54°C	"	40°C	"	37°C	"	37°C	"	20°C	Yes		"	20°C	Yes					
18:00 hrs.				"	"	"	"	"	"	"	"	"	"	"		"	"	"					
19:00 hrs.				"	52°C	"	"	"	"	"	"	"	"	"		"	"	"					
20:00 hrs.	Bhagirath Singh			3.80	"	6.90	38°C	7.65	37°C	7.60	37°C	7.40	20°C	Yes		"	"	"					
21:00 hrs.	Darveer Kumar			"	"	"	"	"	"	"	"	"	"	"		"	20°C	Yes					
22:00 hrs.	Caustic Soda			"	48°C	"	40°C	"	"	"	"	"	"	"		"	"	"					
23:00 hrs.	20kg ✓			"	"	"	"	"	"	37°C	"	20°C	"	"		"	"	"					
24:00 hrs.			64081	"	"	"	"	"	"	"	"	"	"	"		"	"	"					

NOTE: Caustic Soda as on 26/10/2024 = 250kg @ 4:30 pm. / and will be recorded per shift & submit to Manager (E)

# ETP-LOG BOOK

Date: 28.10.2015

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.				3.70	48°C	6.92	39°C	7.65	37°C	7.82	37°C	7.08	20°C	Yes	7.10	20°C	Yes							
02:00 hrs.					97		97		97		97		97	97			97							
03:00 hrs.					97		97		97		97		97	97			97							
04:00 hrs.	Dassindan				48°C		39°C		97°C		37°C		20°C	Yes		20°C	Yes							
05:00 hrs.	Himashu				97		97		97		97		97	97			97							
06:00 hrs.	Caustic Soda				97		97		97		97		97	97			97							
07:00 hrs.	10kg				97		97		97		97		97	97			97							
08:00 hrs.			54104		97		97		97		97		97	97			97							
09:00 hrs.		P.S.No.3	8kl	3.70	48°C	6.92	39°C	7.65	37°C	7.82	38°C	7.09	21°C	Yes	7.10	21°C	Yes							
10:00 hrs.		P.S.No.2	8kl		"		"		"		"		"	"		"	"							
11:00 hrs.	Abhush Sharma	P.S.No.4	12kl		"		"		"		"		"	"		"	"							
12:00 hrs.	Rohan Verma	P.S.No.5	12kl		"		"		"		"		"	"		"	"							
13:00 hrs.		P.S.No.1	8kl	3.70	"	6.92	"	7.65	"	7.82	"	7.09	"	"	7.10	"	"							
14:00 hrs.					48°C		39°C		38°C		38°C		21°C	Yes		21°C	Yes							
15:00 hrs.					"		"		"		"		"	"		"	"							
16:00 hrs.			54111		"		"		"		"		"	"		"	"							
17:00 hrs.					48°C	6.92	39°C	7.65	38°C	7.82	38°C	7.09	21°C	Yes	7.10	21°C	Yes							
18:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"							
19:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"							
20:00 hrs.	Abhay Chandilya				"	"	"	"	"	"	"	"	"	"	"	"	"							
21:00 hrs.	Rohan Verma				45°C	6.92	39°C	7.65	38°C	7.82	38°C	7.09	21°C	Yes	7.10	21°C	Yes							
22:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"							
23:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"							
24:00 hrs.					"	"	"	"	"	"	"	"	"	"	"	"	"							

NOTE: Caustic @ 9:00 am → 175Kg left

# ETP-LOG BOOK

Date: 24/10/24

186

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	Acc	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.				3170	39°C	692	38°C	7.6	37°C	7.6	37°C	7.6	20°C	Yes		20°C	401							
01:00 hrs.					97		99		11		11		99	11		99	99							
02:00 hrs.					99		91		11		11		99	11		99	97							
03:00 hrs.					99		91		11		11		99	11		99	99							
04:00 hrs.	Darindan				97		91		11		11		99	Yes		99	99							
05:00 hrs.	Himashu				39°C		38°C		37°C		37°C		20°C	99		20°C	Yes							
06:00 hrs.					99		91		11		11		99	11		99	99							
07:00 hrs.					99		91		11		11		99	11		99	99							
08:00 hrs.					99		91		99		99		99	11		11	11							
09:00 hrs.					22		22		37°C		22		20°C	Yes		20°C	Yes							
10:00 hrs.		P.S.No-2	RKC		18°C		39°C		22		22		22	22		22	22							
11:00 hrs.		P.S.No-3	RKC		32°C		22		22		22		22	22		22	22							
12:00 hrs.	Bhaginder Singh				22		22		37°C		37°C		22	22		20°C	Yes							
13:00 hrs.	Parveen Kumar				22		22		22		22		20°C	Yes		22	22							
14:00 hrs.	Caustic Soda				50°C		40°C		22		22		22	22		22	22							
15:00 hrs.	15kg				22		22		37°C		37°C		22	22		20°C	22							
16:00 hrs.			6443		22		22		22		22		22	22		22	22							
17:00 hrs.					50°C		39°C		38°C		37°C		20°C	Yes		20°C	40							
18:00 hrs.					11		11		11		11		11	11		11	11							
19:00 hrs.	Ankush Sharma				11		11		11		11		11	11		11	11							
20:00 hrs.	Tehar Verma				11		11		11		11		11	11		20°C	4							
21:00 hrs.					50°C		39°C		38°C		11		20°C	Yes		11	Yes							
22:00 hrs.					11		11		11		37°C		11	11		11	11							
23:00 hrs.					11		11		11		11		11	11		11	11							
24:00 hrs.			64115		11		11		11		11		11	11		11	11							

NOTE:

# ETP-LOG BOOK

Date. 30.10.2018

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.				3.70	39°C	6.92	38°C	7.61	37°C	7.30	37°C	7.08	20°C	Yes		7.14	20°C	Yes						
02:00 hrs.					97		97		97		97		97				97							
03:00 hrs.					97		97		97		97		97				97							
04:00 hrs.	Waseem Singh				97		97		97		97		97				97							
05:00 hrs.	Himanshu				39°C		38°C		37°C		37°C		20°C	Yes			20°C	Yes						
06:00 hrs.					97		97		97		97		97				97							
07:00 hrs.					97		97		97		97		97				97							
08:00 hrs.					97		97		97		97		97				97							
09:00 hrs.		P.S. 203	821		55°C		47°C		37°C		37°C		20°C	Yes			20°C	Yes						
10:00 hrs.		P.S. 202	821		"		"		"		"		"	"			"	"						
11:00 hrs.				3.78	"	6.95	"	"	"	"	"	"	"	"		"	"	"						
12:00 hrs.	Bharginder Singh				53°C		47°C		37°C		"		20°C	Yes			20°C	Yes						
13:00 hrs.	Pavleen Kaur				"		"		"		"		"	"			"	"						
14:00 hrs.					"		"		"		"		"	"			"	"						
15:00 hrs.					Recirculation Continuous.																			
16:00 hrs.																								
17:00 hrs.																								
18:00 hrs.																								
19:00 hrs.																								
20:00 hrs.	Abhay Sandilya				Recirculation Continuous.																			
21:00 hrs.	Rohan Yasma																							
22:00 hrs.																								
23:00 hrs.																								
24:00 hrs.			64129																					

NOTE:

# ETP-LOG BOOK

Date 02/11/2018

576

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.																								
02:00 hrs.																								
03:00 hrs.																								
04:00 hrs.	W. Srinivasulu																							
05:00 hrs.																								
06:00 hrs.																								
07:00 hrs.																								
08:00 hrs.																								
09:00 hrs.																								
10:00 hrs.																								
11:00 hrs.																								
12:00 hrs.																								
13:00 hrs.																								
14:00 hrs.																								
15:00 hrs.																								
16:00 hrs.																								
17:00 hrs.																								
18:00 hrs.																								
19:00 hrs.																								
20:00 hrs.																								
21:00 hrs.																								
22:00 hrs.																								
23:00 hrs.																								
24:00 hrs.																								

Plant Recirculation from 12:45 pm to 8:45 Am

NOTE:

Plant started

# ETP-LOG-BOOK

Date 28/11/2024 189

577

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.		64129																						
01:00 hrs.																								
02:00 hrs.	Abhijit Shinde	washing																						
03:00 hrs.																								
04:00 hrs.		Boily																						
05:00 hrs.		Blow down																						
06:00 hrs.																								
07:00 hrs.		rain water																						
08:00 hrs.			64142																					
09:00 hrs.																								
10:00 hrs.	Devinder Singh	washing																						
11:00 hrs.																								
12:00 hrs.																								
13:00 hrs.																								
14:00 hrs.																								
15:00 hrs.																								
16:00 hrs.			64152																					
17:00 hrs.																								
18:00 hrs.	Ankur Sharma																							
19:00 hrs.		Rain water																						
20:00 hrs.																								
21:00 hrs.																								
22:00 hrs.																								
23:00 hrs.																								
24:00 hrs.			64153																					

NOTE:

# ETP-LOG BOOK

Date... 29/12/190

578

Time	Man on Duty	Effluent Recd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.		PS No-4	TKL																					
02:00 hrs.																								
03:00 hrs.																								
04:00 hrs.	Abhay Shandilya																							
05:00 hrs.																								
06:00 hrs.		PS No-5	TKL																					
07:00 hrs.																								
08:00 hrs.				64153																				
09:00 hrs.	Ankush Sharma																							
10:00 hrs.	Farveer Thakur																							
11:00 hrs.																								
12:00 hrs.																								
13:00 hrs.																								
14:00 hrs.																								
15:00 hrs.																								
16:00 hrs.				64172																				
17:00 hrs.																								
18:00 hrs.																								
19:00 hrs.	Bhaginder Singh																							
20:00 hrs.	Himanshu																							
21:00 hrs.	Shan Mukherjee																							
22:00 hrs.																								
23:00 hrs.																								
24:00 hrs.				64177																				

Plant Recirculation 12:00 Am to 8:00 Am.

Plant Recirculation from 8:00 Am to 4:00 Pm.

Plant Recirculation Continuously from 4:00 Pm to 12:00 Am.

Methane digester top temp 11°C

NOTE:

# ETP-LOG BOOK

Date 30.12.19

Time	Man on Duty	Effluent Rcd	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit	
				pH	Temp.	pH	Temp.	pH	Temp.	pH	Temp.	pH	Temp.	Blowers		pH	Temp.	MBR-2						
00:00 hrs.																								
01:00 hrs.																								
02:00 hrs.																								
03:00 hrs.		P.S.No.4	4KL																					
04:00 hrs.	Maninder Singh																							
05:00 hrs.																								
06:00 hrs.																								
07:00 hrs.			64179																					
08:00 hrs.				3.7	40°	6.9	18°	7.00	12°	7.10	12°	7.10	9°	Yes	6.9	8°	Yes		Yes	Yes				
09:00 hrs.		P.S.No.5	4KL	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
10:00 hrs.	Ankush Sharma			"	40°	"	18°	"	12°	"	12°	"	9°	Yes	"	8°	Yes							
11:00 hrs.	Pawan Verma	P.S.No.1	6KL	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
12:00 hrs.	Himanshu Shandil			"	"	6.9	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
13:00 hrs.				3.7	"	"	"	7.00	"	7.10	"	7.20	"	Yes	7.00	"	Yes							
14:00 hrs.	Arshdeep Singh - 10kg			"	"	"	19°	"	12°	"	12°	"	9°	"	"	8°	"	"	"	"	"	"	"	"
15:00 hrs.				"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
16:00 hrs.			64179	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
17:00 hrs.				"	40°	6.9	18°C	7.00	12°C	7.10	12°C	7.20	9°C	Y-3										
18:00 hrs.				"	"	"	"	"	"	"	"	"	"	"										
19:00 hrs.				"	"	"	"	"	"	"	"	"	"	"										
20:00 hrs.	Abhay Shandilya			3.7	40°	6.9	18°C	7.00	12°C	7.10	12°C	7.20	9°C	Y-3										
21:00 hrs.	Pankaj Thakur			"	"	"	"	"	"	"	"	"	"	"										
22:00 hrs.				"	"	"	"	"	"	"	"	"	"	"										
23:00 hrs.				"	"	"	"	"	"	"	"	"	"	"										
24:00 hrs.			64179	3.7	35°C	6.9	18°C	7.00	12°C	7.10	12°C	7.20	9°C	Y-3										

NOTE:

# ETP-LOG BOOK

Date: 31-12-2022

580

Time	Man on Duty	Effluent Rod	Inlet Meter	Collection Tank		MD Feed Tank		MD-1		MD-2		Aeration Tank			MBR-1	New Biological Tank			MGF	RO-1	RO-2	ACF	ATFD Unit
				PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	PH	Temp.	Blowers		PH	Temp.	MBR-2					
00:00 hrs.				3.7	40°C	6.9	18°C	7.0	12°C	7.1	9°C	7.1	9°C	Yes									
01:00 hrs.					"	"	"	"	"	"	"	"	"	"									
02:00 hrs.					"	"	"	"	"	"	"	"	"	"									
03:00 hrs.					"	"	"	"	"	"	"	"	"	"									
04:00 hrs.	Daminder			3.7	"	6.9	"	7.1	"	7.1	12°C	7.1	9°C	"									
05:00 hrs.					"	"	"	"	"	"	"	"	"	"									
06:00 hrs.					"	"	"	"	"	"	"	"	"	"									
07:00 hrs.					40°C	"	18°C	7.0	"	7.1	"	"	9°C	Yes									
08:00 hrs.			64205	3.7	"	6.9	"	"	12°C	"	12°C	"	"	"									
09:00 hrs.				"	"	"	"	"	"	"	"	"	"	"									
10:00 hrs.				"	"	6.9	"	"	"	7.1	"	"	9°C	Yes									
11:00 hrs.				"	"	"	18°C	"	12°C	"	12°C	"	"	"									
12:00 hrs.					40°C	"	"	7.0	"	7.1	"	"	9°C	"									
13:00 hrs.	Ishan			3.7	"	6.9	"	"	"	"	"	"	"	Yes									
14:00 hrs.					"	"	18°C	"	12°C	"	12°C	"	"	"									
15:00 hrs.				"	"	"	"	"	"	"	"	"	"	"									
16:00 hrs.			64216	3.7	"	"	"	"	"	"	"	"	"	"			8°C						
17:00 hrs.					38°C	"	18°C	"	12°C	"	12°C	"	9°C	Yes									
18:00 hrs.	Ankush Sharma			"	"	6.9	"	7.0	"	7.1	"	7.0	"	"									
19:00 hrs.				"	"	"	"	"	"	"	"	"	"	"									
20:00 hrs.	Parveen Patel				38°C	"	"	"	"	"	"	"	"	"									
21:00 hrs.					"	"	17°C	"	12°C	"	11°C	"	8°C	Yes									
22:00 hrs.					"	"	"	"	"	"	"	"	"	"									
23:00 hrs.					"	"	"	"	"	"	"	"	"	"									
24:00 hrs.			64221	"	"	"	"	"	"	"	"	"	"	"									

NOTE:

581

193

Saraswati®

BREW HOUSE

ACCOUNT BOOK

FERMENTED  
SLUDGE  
LOG BOOK  
W.P.F - 25/12/2024

FERMENTER		FERMENTER SLUDGE METER READING			REMARKS
DATE	Number	Initial	Final	TOTAL	
31/12/24		10364	10373	9kl	Not working
01/01/25	1,2	10373	10374	1kl	
02/01/25	3,4	10374	10375	1kl	
03/01/25	5,6	10375	10376	1kl	
04/01/25	1,2	10376	10377	1kl	
05/01/25	3,4	10377	10378	1kl	
06/01/25	5,6	10378	10387	1kl + 8kl = 9kl	Line meter chocking. Steam applied
07/01/25	1,2	10387	10387	-	
08/01/25	3,4	10387	10389	2.0	
09/01/25	5,6				Meter
10/01/25	1	10389.0	10389.0	—	Choked
10.01.25	2	10389.0	10395.0	6.0kl	—
11/01/25	<del>4,5</del>	10395.0	10395.0	—	No space
11/01/25	4	10395.0	10395.0	—	No Ready.
11.01.25	3+4	10395	10401.0	6.0kl	going in 2 shift
12.01.25	5	10401	10401.0	—	No Reading
12.01.25	6	10401.0	—	—	" "
12/01/25	01	10401.0	10401.0	—	" "
13.01.25	2	10401.0	10412.0	11.0kl	Meter cleaned
14/01/25	3	10412.0	10413.0	1.0kl	
14/01/25	4	10413.0	—	—	
15/01/25	—	10413	10413	—	
17.01.25	1+2	10413	10414	1.0kl	
18.01.25	3+4	10414	10414.0	—	No Reading
19.01.25	17:00 AM	10414	10415.0	1.0kl	
20/01/25	1:22	10415.0	10415.0	—	
21/01/25	3+4	10415.0	—	—	
21/01/25	3+4	10415	10415	±.0kl	
22/01/25	5+6	10416	—	—	No ready
23.01.25	1+2	10416	—	—	No ready
24.01.25	3+4	10416	—	—	No Ready
25.01.25	5+6	10416	—	—	No Ready
26/01/25	Saraswati 1 & 2	10416	—	—	

## Fermentor Sludge meter reading

Date	F.N. No.	Initial	Final	Total	Remarks
27/01/25	-	10416.0	10416.0	-	
27/01/25	3	10416.0	10416.0	-	
27/01/25	4	10416.0	10416.0	-	
28/01/25	-	10416	10416	-	
28/01/25	5	10416.0	10416.0	-	
28/01/25	6	10416.0	10417.0	1.0 KL	
29/01/25	1	10417.0	-	-	
29/01/25	2	10417.0	-	-	
30/01/25	3	10417.0	10417.0	-	
30/01/25	4	10417.0	10417.0	-	
31/01/25	5	10417.0	-	-	
31/01/25	6	10417.0	10417.0	-	
01/02/25	1	10417.0	10417.0	-	
01/02/25	2	10417.0	10417.0	-	
02/02/25	3	10417	10417	-	
-/-	4	10417	10417	-	
03/2/25	5	10417	-	-	
03.2.25	6	10417	-	-	
04/2/25	1	-	-	-	
05/2/25	2	-	-	-	
-/-	3.4	10417	10417	-	
06/2/25	5.6	000081.0	000081.0	-	New meter installed
07/2/25	7	000081.0	-	-	
07.2.25	1	000081.0	-	-	
08.02.25	2+3	000081.0	-	-	

# POT STILL HOUSE

**RAW SPENT WASH**

**&**

**SPENT LEES**

**LOG BOOK**

**W.E.F 25.12.2024**

585

Date	Time	Initial	Final	Total
28.12.24	2:00 Pm	-	-	-
29.12.24	A	00000	00012.0	12.0 KL
30.12.24	A	00012.0	00018.0	6.0 KL
30/12.2024	8:45 Am	00018.0	00025.0	7.0 KL
- 11 -	10:00 Am	-	-	-
01/01/2025	10:30 Am	-	-	-
- 11 -	11:15 Am	-	-	-
- 11 -	11:30 Pm	00025.0	00030.0	5.0 KL
02/01/2025	7:50 Am	00030.0	00036.0	6.0 KL
02.01.25	11:20 Pm	00036.0	00042.0	6.0 KL
03.01.25	5:15 AM	00042.0	00049.0	7.0 KL
04.01.25	1:15 AM	00049.0	00055.0	6.0 KL
- 11 -	8:15 AM	00055.0	00061.0	6.0 KL
- 11 -	9:00 Am	-	-	-
- 11 -	9:30 Am	-	-	-
05.01.25	2:00 AM	00061	00067	6.0 KL
- 11 -	8:45 Am	00067	00073.0	6.0 KL
06.01.25	<del>6:30 Am</del>	00073.0	00078.0	5.0
- 11 -	3:15 Am	00078.0	00087.0	9.0 KL
07/01/25	5:00 Am	00087.0	00093.0	6.0 KL
07/01/25	10:10 Am	00093.0	00099.0	6.0 KL
08/01/25	7:15 Am	00099.0	00105.0	6.0 KL
08/01/25	9:30 Am	00105.0	00111.0	6.0 KL
09/01/25	5:15 Am	00111.0	00117.0	6.0 KL
09/01/25	9:20 Am	00117.0	00122.0	5.0 KL
10/01/25	5:15 Am	00122.0	00129.0	7.0 KL
10.01.25	3:20 Pm	00129.0	00136.0	7.0 KL
11/01/25	2:45 Am	00136.0	00142.0	6.0 KL
11/01/25	11:15 AM	00142.0	00148.0	6.0 KL
12/01/25	8:20 AM	00148.0	00154.0	6.0 KL
1/25	3:45 Pm	00154.0	00160.0	6.0 KL

Spent Lees flow 586 Readings

Remarks	Spent Lees flow 586 Readings			Remarks
	Initial	Final	Total	
Inkashing	00000.0	00000.0	4.0 KL	under cleaning of 10/11/11 243
Spent wash	00004.0	00013.0	9.0 KL	Washing.
Spent lees	00013.0	00016.0	5.0 KL	S. lees.
- U -	00018.0	00023.0	5.0 KL	- U -
Spent wash				
Spent wash				
Spent wash				
Spent lees	00022.0	00027.0	4.0 KL	S. lees
- U -	00027.0	00031.0	4.0 KL	- U -
Spent wash				
Spent wash	00031.0	00034.0	3 KL	Spent lees
- U -				
Spent wash	00034.0	00046.0	12.0 KL	
- U -				
Spent wash	00046.0	00050.0	4.0 KL	Spent lees
Spent wash	00050.0	00054.0	4.0 KL	
	00054.0	00064.0	10.0 KL	
	00064.0	00067.0	3.0 KL	
	00067.0	00071.0	4.0 KL	
	00071.0	00076.0	5.0 KL	
	00076.0	00085.0	9.0 KL	

Date	Time	Spent wash flow meter Reading		Total	Remarks
		Initial	Final		
13.01.25	5:30AM	00160.0	00167.0	7.0KL	
13.01.25	10:00AM	00167.0	00173.0	6.0KL	
13/01/25	3:45pm	-	-	-	-
14/01/25	3:45AM	00173.0	00179.0	6.0KL	
14/01/25	9:40AM	00179.0	00185.0	6.0KL	
15/01/25	2:10AM	00185.0	00192	7.0KL	
15/01/25	6:30AM	00192	00198	6.0KL	
15.01.25	9:00AM	00198	-	-	
16.01.25	9:00AM	-	-	-	
17.01.25	9:00AM	-	-	-	
18.01.25	8:30, 9:40AM	00198.0	00211	13.0KL	
19/01/25	6:20AM	00211.0	00218.0	7.0KL	
19.01.25	9:00AM	00218.0	00225.0	7.0KL	
20/01/25	7:45AM	00225	00232	7.0	
-11-	8:45AM	00232	00238	6.0	
-11-	9:30AM	-	-	-	
-11-	10:00AM	-	-	-	
-11-	10:30AM	-	-	-	
21/01/25	7:50AM	00238	00245	7.0KL	
-11-	9:30AM	00245	00252	7.0KL	
-11-	2:45pm	-	-	-	
22.01.25	2:15AM	00252	00258	6.0KL	
-12-	9:00AM	-	-	-	
-11-	9:30AM	-	-	-	
-11-	10:00AM	00258.0	00265	7.0KL	
23.01.25	5:45AM	00265	00271.0	6.0KL	
-11-	8:15AM	00271	00277.0	6.0KL	
-11-	9:00AM	-	-	-	
-11-	8:30h	-	-	-	
24.01.25	5:45AM	00277	00283	6.0KL	
24.01.25	10:15AM 2:00PM	00283	00291	8.0KL	
	2:00AM				

Spent Lees flow meters Reading -			Remarks
Initial	Final	Total	
00085.0	—	—	
00085.0	00093.0	8.0KL	
00093.0	00101.0	8.0KL	
—	—	—	
—	—	—	
—	—	—	
—	—	—	
00101.0	00108.0	7.0KL	
00108.0	00116.0	8.0KL	
00116.0	00124.0	8.0KL	
—	—	—	
—	—	—	
—	—	—	
—	—	—	
—	—	—	
00124	00128	4.0	
00128	00132	4.0	
00132	00139	7.0	
—	—	—	
—	—	—	
00139	00143	4.0KL	
—	—	—	
00143.0	00147.0	4.0KL	
00147.0	00154.0	7.0KL	
—	—	—	
—	—	—	
—	—	—	
00154.0	00157.0	3.0KL	
00157.0	00161.0	4.0KL	
—	—	—	
00161.0	00173.0	12.0KL	

Date	Time	Spenture with flow meter Reading		Total	Remarks
		Initial	Final		
25.01.25	7:30 AM	00291	00304	13.0KL	
26.01.25	8:30 AM	00304	00311	7.0KL	
- 11 -	9:30 AM	00311	00318	7.0KL	
27/1/25	11:15 AM	00318.0	00324	6.0KL	
27/01/25	12:15 PM	00324	00329	5.0KL	
-	-	-	-	-	
28/01/25	6:30 AM	00329	00336	7.0KL	
28/01/25	7:30 AM	00336	00341	5.0KL	
29/1/25	5:15 AM	00341	00346	5.0KL	
29/01/25	7:15 AM	00346	00353.0	7.0KL	
30/01/25	4:45 AM	00353	00360	7.0KL	
-	9:00 AM	-	-	-	
30/01/25	9:30 AM	-	-	-	
30/01/25	10:15 AM	00360.0	00366.0	6.0KL	
31/01/25	3:15 PM	00366.0	00372.0	6.0KL	
32/1/25	8:45 AM	00372.0	00379.0	7.0KL	
01/02/25	8:15 AM	00379	00384	5.0KL	
- 11 -	7:30 AM	00384.0	00391.0	7.0KL	
02/2/25	3:30 AM	00391.0	00397.0	6.0KL	
- 11 -					



**Coal Ash Log Book**  
**Engineering Department**  
**Mohan Meakin Limited**  
**Kasauli Distillery**  
**Kasauli -173204**

Date	Generation Ash Qty(Kg)	Disposal				Remarks
		Date	Consigne	T.No.	G.P	
01/04/23	689					
02/04/23	517					
03/04/23	869					
04/04/23	873					
05/04/23	972					
06/04/23	954					
07/04/23	1300					
08/04/23	1296					
09/04/23	1377					
10/04/23	1273					
11/04/23	1341					
12/04/23	1350					
13/04/23	1380					
14/04/23	1332					
15/04/23	1380					
16/04/23	1188					
17/04/23	1100					
18/04/23	1480					
19/04/23	1395					
20/04/23	1586	20/04/23	ABM Enter- -Drisa	HP646 1627	3027	
21/04/23	1617	20/04/23	1)	HP646 9927	3028	
22/04/23	1584					
23/04/23	1350					
24/04/23	1606					
25/04/23	1422					
26/04/23	1467					
28/04/23	1640					
29/04/23	1458					
30/04/23	1349					
Total	37145					

May 2023  
593

Generation		Disposal			Remarks		
Date	Ash Qty (kg)	Date	Consignee	T.No		G.P	Quantity
01/05/23	1539						
02/05/23	1391						
03/05/23	1468						
04/05/23	1288						
05/05/23	1356						
06/05/23	1098						
07/05/23	1016						
08/05/23	-						
09/05/23	-						
10/05/23	294						
11/05/23	898						
12/05/23	877						
13/05/23	814						
14/05/23	946						
15/05/23	1402						
16/05/23	1528						
17/05/23	1507						
18/05/23	1476						
19/05/23	1360						
20/05/23	965						
21/05/23	1549						
22/05/23	1526						
23/05/23	1202						
24/05/23	1381						
25/05/23	1240						
26/05/23	1371						
27/05/23	1411						
28/05/23	1003						
29/05/23	1360						
30/05/23	1318						
31/05/23	1246 ⇒						
		Total		35830 (kg)			

June 5943

Generation		Disposal				Remarks
Date	Ash Qty (kg)	Date	Consignee T. No.	G.P. No.	Quantity	
01/06/23	1209					
02/06/23	1254					
03/06/23	1174					
04/06/23	1064					
05/06/23	1114					
06/06/23	1294					
07/06/23	1010					
08/06/23	1148					
09/06/23	1244					
10/06/23	896					
11/06/23	994					
12/06/23	1390					
13/06/23	1327					
14/06/23	1115					
15/06/23	953					
16/06/23	1020					
17/06/23	1180					
18/06/23	781					
19/06/23	1093					
20/06/23	1219					
21/06/23	1084					
22/06/23	884					
23/06/23	1222					
24/06/23	1169					
25/06/23	914					
26/06/23	877					
27/06/23	1201					
28/06/23	1154					
29/06/23	877					
30/06/23	954					
Total ⇒	32815 (kg)					

July 2023  
595

Generation		Disposed				Remarks	
Date	Ash Qty (kg)	Date	Consignee	T.No.	Gr.No.		Quantity
01/07/23	1270						
02/07/23	1123						
03/07/23	990						
04/07/23	1053						
05/07/23	924						
06/07/23	540						
07/07/23	480						
08/07/23	588						
09/07/23	320						
10/07/23	210						
11/07/23	117						
12/07/23	147						
13/07/23	139						
14/07/23	378						
15/07/23	330						
16/07/23	220						
17/07/23	85						
18/07/23	Boiler operation suspended due to the shortage of spirit storage						
19/07/23							
20/07/23							
21/07/23							
22/07/23							
23/07/23							
24/07/23							
25/07/23							
26/07/23							
27/07/23							
28/07/23							
29/07/23							
30/07/23							
31/07/23	Total ⇒ 8914 (kg)						



Sept 597 ex 2023

Generation		Disposal				Remarks	
Date	Ash Qty (Kg)	Date	Consignee	T. No.	Gate		Quantity
01/09/23							
02/09/23							
03/09/23							
04/09/23							
05/09/23							
06/09/23							
07/09/23							
08/09/23	294						
09/09/23	300						
10/09/23	279						
11/09/23	745						
12/09/23	854						
13/09/23	780						
14/09/23	608						
15/09/23	740						
16/09/23	1008						
17/09/23	741						
18/09/23	950						
19/09/23	1176						
20/09/23	1121						
21/09/23	1122						
22/09/23	840						
23/09/23	807						
24/09/23	850						
25/09/23	760						
26/09/23	798						
27/09/23	711						
28/09/23	870						
29/09/23	957						
30/09/23	840						
Total ⇒	18151 (Kg)						

Boiler  
Operation  
Start on  
Dated 08/09/23  
at 12:00 midnight

October 598 2023

Generation		Disposal			Remarks	
Date	Ash Qty (kg)	Date	Consignee	T. No.	G.P. No.	Qmity
01/10/23	790					
02/10/23	636					
03/10/23	820					
04/10/23	1155					
05/10/23	1160					
06/10/23	1092					
07/10/23	1102					
08/10/23	910					
09/10/23	980					
10/10/23	855					
11/10/23	990					
12/10/23	826					
13/10/23	869					
14/10/23	825					
15/10/23	890					
16/10/23	1020	20/10/23	M/s Sachin Kumar	HP64C 9927	3181	
17/10/23	1054					
18/10/23	1140					
19/10/23	1060					
20/10/23	1176	20/10/23	M/s Sachin Kumar	HP64C 1627	3182	
21/10/23	1044					
22/10/23	1060					
23/10/23	1225					
24/10/23	1020					
25/10/23	1260					
26/10/23	1375					
27/10/23	1050					
28/10/23	579					
29/10/23	650					
30/10/23	1144					
31/10/23	1270 ⇒	31027Kg				

November 2023

599

211

Generation		Disposed				Remarks
Date	Ash Qty (kg)	Date	Consignee	T.No.	Gr P.No.	
01/11/23	1986					
02/11/23	1688					
03/11/23	1588					
04/11/23	1520					
05/11/23	1088	05/11/23	ABM Enterprises	HP-64C 9927	3303	
06/11/23	1360	05/11/23	)	HP-64C 1627	3304	
07/11/23	1716					
08/11/23	1815					
09/11/23	1856					
10/11/23	1888					
11/11/23	1610					
12/11/23	1178					
13/11/23	1598					
14/11/23	1510					
15/11/23	1732					
16/11/23	1943	16/11/23	ABM Enterprises	HP-64C 1627	3320	
17/11/23	1590	16/11/23	)	HP64C 9927	3321	
18/11/23	1501					
19/11/23	1155					
20/11/23	1419					
21/11/23	1659					
22/11/23	1680					
23/11/23	1701					
24/11/23	1700					
25/11/23	1943					
26/11/23	1577					
27/11/23	1660					
28/11/23	1817					
29/11/23	1660					
30/11/23	1874					
Total	49305 (kg)					

December 600 2023

Generation		Disposal				Remarks
Date	Ash Qty (kg)	Date	Consignee	T. No	C.P No	Quantity
01/12/23	1851	01/12/23	ABM Enterprises	HP 64C-9927	3342	
02/12/23	1780	01/12/23	1)	HP 64C-1627	3341	
03/12/23	1750					
04/12/23	1680					
05/12/23	1590					
06/12/23	1669					
07/12/23	1680					
08/12/23	1704					
09/12/23	1690					
10/12/23	1727					
11/12/23	1669					
12/12/23	1759					
13/12/23	1200					
14/12/23	1554					
15/12/23	1496					
16/12/23	880	18/12/23	ABM Enterprises	HP 64-C-9927	3364	
17/12/23	980					
18/12/23	1240					
19/12/23	1040					
20/12/23	1287					
21/12/23	1122					
22/12/23	1000					
23/12/23	1008					
24/12/23	735					
25/12/23	779					
26/12/23	840					
27/12/23	1008					
28/12/23	970					
29/12/23	740					
30/12/23	930					
31/12/23	748					

38466kg

January 601 2024

Generation		Disposal				Remark
Date	Ash Qty (kg)	Date	Consignee	G.P.No.	T. No.	
01/01/24	1016					
02/01/24	978					
03/01/24	690					
04/01/24	537	04/01/24	M/s Sachin Kumar Wat	3387	HP64C-9927	
05/01/24	267	04/01/24	M/s Sachin Kumar Wat	3388	HP64C-1627	
06/01/24	357					
07/01/24	310					
08/01/24	350					
09/01/24						
10/01/24						
11/01/24						
12/01/24						
13/01/24		13/01/24	M/s Sachin Kumar Wat	3395	HP64C-1627	
14/01/24		13/01/24	"	3396	HP64C-9927	
15/01/24						
16/01/24						
17/01/24						
18/01/24						
19/01/24	400					
20/01/24	238					
21/01/24	470					
22/01/24	750					
23/01/24	980					
24/01/24	920					
25/01/24	855					
26/01/24	1210	26/01/24	M/s Sachin Kumar Wat	3405	HP64C-1627	
27/01/24	1080	26/01/24	"	3406	HP64C-3406	
28/01/24	860					
29/01/24	980					
30/01/24	1090					
31/01/24	960	⇒	15298 (kg)			

Boilers operation  
 Suspended due  
 to the routine  
 cleaning & main-  
 tenance of Boilers  
 & accessories  
 on 08/01/24 at  
 11:30pm to  
 19/01/24 at 2pm

February 602, 2024

Generation		Disposal				Remarks
Date	Ash Qty (kg)	Date	Consignee	G.P. No	T. No	
01/02/24	945					
02/02/24	640					
03/02/24	532					
04/02/24	616					
05/02/24	396					
06/02/24	300					
07/02/24	—					
08/02/24	345	08-02-2024	M/S Sachin Kumawat	3419	HP 64C 1627	
09/02/24	1008	08-02-2024	M/S Sachin Kumawat	3420	HP 64C 9927	
10/02/24	980					
11/02/24	630					
12/02/24	836					
13/02/24	1242					
14/02/24	546					
15/02/24	342					
16/02/24	350					
17/02/24	609					
18/02/24	640					
19/02/24	920					
20/02/24	900					
21/02/24	960					
22/02/24	1134					
23/02/24	912	23/02/2024	M/S Sachin Kumawat	3432	HP 64C 9927	
24/02/24	900	23/02/2024	M/S Sachin Kumawat	3433	HP 64D 5227	
25/02/24	980					
26/02/24	1000					
27/02/24	1200					
28/02/24	1080					
29/02/24	1000					
Total ⇒	22612 (kg)					

GENERATION		Disposal				Remarks
Date	Ash Qty Kg	Date	Consignee	G.No	T.No	
01.03.2024	990					
02.03.2024	997					
03.03.2024	1007					
04.03.2024	1055					
05.03.2024	820					
06.03.2024	651					
07.03.2024	437					
08.03.2024	117					
09.03.2024	49					
10.03.2024	120	10/03/24	M/S Sachin Kum -direct	3453	HP64C 9927	
11.03.2024	107	10/03/24	)	3454	HP64D 5227	
12.03.2024	112					Total A
13.03.2024	770					
14.03.2024	830					
15.03.2024	880					
16.03.2024	966					
17.03.2024	770	17/03/24	M/S Sachin Kuma -wast	3458	HP64C 9927	
18.03.2024	420	17/03/24	)	3459	HP64C -1627	
19.03.2024	480					
20.03.2024	556					
21.03.2024	363	21/03/24	M/S Sachin Kumawat	3462	HP64D 5227	
22.03.2024	330					
23.03.2024	342					
24.03.2024	340					
25.03.2024	336					
26.03.2024	598					
27.03.2024	830	27/03/24	M/S Sachin Kumawat	3470	HP64D 9927	
28.03.2024	980	27/03/24	)	3471	HP64C 1627	
29.03.2024	874					
30.03.2024	1012					
31.03.2024	1000					
Total	19139					

GENERATION		Disposal.				
Date	Ash Qty Kg	Date	Consignee	G.P.No	T.No	Remarks
01/04/24	850					
02/04/24	940					
03/04/24	870					
04/04/24	770					
05/04/24	1000					
06/04/24	1075	06/04/24	M/s Sachin Kumawat	3482	HP64D-5227	
07/04/24	880					
08/04/24	790					
09/04/24	1050					
10/04/24	915					
11/04/24	750	11/04/24	"	3487	HP64C-9927	
12/04/24	500	11/04/24	"	3486	HP64C-1627	
13/04/24	400					
14/04/24	300					
15/04/24	360					
16/04/24	635					
17/04/24	770	17/04/24	M/s Sachin Kumawat	3493	HP64D-5227	
18/04/24	1045					
19/04/24	1065					
20/04/24	1030	20/04/24	M/s Sachin Kumawat	3497	HP64C-1627	
21/04/24	1082					
22/04/24	1136					
23/04/24	1207					
24/04/24	1334					
25/04/24	1300					
26/04/24	1191	26/04/24	M/s Sachin Kumawat	3607	HP64C-9927	
27/04/24	1110					
28/04/24	1155					
29/04/24	1280					
30/04/24	1296	30/04/24	M/s Sachin Kumawat	3613	HP64D-5227	

Generation		Disposal				Remarks
Date	Ash Qty (kg)	Date	Consignee	G.P. No	T. No	Remarks
01/05/24	1280					
02/05/24	1190					
03/05/24	1200					
04/05/24	1070					
05/05/24	1090					
06/05/24	1070					
07/05/24	1000	07/05/24	M/S Sachin Kumar	3621	HP64D-1627	
08/05/24	920		Kumar			
09/05/24	430	07/05/24	M/S Sachin Kumar	3622	HP64C-9927	
10/05/24			Kumar			
11/05/24						
12/05/24						
13/05/24						
14/05/24						
15/05/24						
16/05/24						
17/05/24						
18/05/24						
19/05/24						
20/05/24						
21/05/24						
22/05/24						
23/05/24						
24/05/24						
25/05/24						
26/05/24						
27/05/24						
28/05/24						
29/05/24						
30/05/24						
31/05/24						

Distillery  
operation suspended  
from 09/05/24 at  
10:30 PM due to  
the Annual third  
party inspection  
and renewal of  
boiler license

Distillery operation  
Resumed  
03/06/24

Generation		Disposal			Remarks
Date	Ash Qty (kg)	Consignee	qf No	T. No	
01/06/24	<del>820</del>				
02/06/24	820				
03/06/24	820				
04/06/24	830				
05/06/24	890				
06/06/24	840				
07/06/24	890				
08/06/24	820				
09/06/24	830				
10/06/24	730				
11/06/24	820				
12/06/24	654				
13/06/24	600				
14/06/24	930				
15/06/24	790				
16/06/24	880				
17/06/24	490				
18/06/24	750				
19/06/24	960				
20/06/24	940				
21/06/24	890				
22/06/24	725				
23/06/24	640				
24/06/24	710				
25/06/24	771				
26/06/24	925				
27/06/24	995				
28/06/24	310				
29/06/24	410				
30/06/24	285				

GENERATION		Disposal			Remarks
Date	Ash Qty Kg	Date	Consignee	G/NO	
01/07/24	995				
02/07/24	993				
03/07/24	820				
04/07/24	580				
05/07/24	850				
06/07/24	860				
07/07/24	820				
08/07/24	550				
09/07/24	970				
10/07/24	920				
11/07/24	820				
12/07/24	820				
13/07/24	990				
14/07/24	880				
15/07/24	1030				
16/07/24	1160				
17/07/24	1278				
18/07/24	1280				
19/07/24	1299				
20/07/24	1340				
21/07/24	1100				
22/07/24	1089				
23/07/24	1160				
24/07/24	1198				
25/07/24	1070				
26/07/24	620				
27/07/24	290				
28/07/24	200				
29/07/24	150				
30/07/24	200				
31/07/24					

Generation		Disposed				Remarks
Date	Ash (Qty)	Date	Consignee Name	Gr. P. No.	T. No.	
01/08/24						
02/08/24						
03/08/24						
04/08/24						
05/08/24						
06/08/24						
07/08/24						
08/08/24						
09/08/24						
10/08/24						
11/08/24						
12/08/24						
13/08/24						
14/08/24						
15/08/24						
16/08/24						
17/08/24						
18/08/24						
19/08/24						
20/08/24						
21/08/24						
22/08/24						
23/08/24						
24/08/24						
25/08/24						
26/08/24						
27/08/24						
28/08/24						
29/08/24						
30/08/24						
31/08/24						

Distillery  
Operation suspended  
w.e.f. 30<sup>th</sup> July at  
8:00 PM due  
to annual main-  
tenance of plant

Boiler operation  
resumed w.e.f  
01<sup>st</sup> Sep. 24 at  
8:00 AM

Sep 609 2024

221

Generation		Disposed				Remarks
Date	Ash (Qty)	Date	Consignee	G.P No	T No.	
01/09/24	430					
02/09/24	420					
03/09/24	252					
04/09/24	200					
05/09/24	560					
06/09/24	990					
07/09/24	1340					
08/09/24	1185					
09/09/24	1180					
10/09/24	1600					
11/09/24	1700					
12/09/24	1640					
13/09/24	1500					
14/09/24	1430					
15/09/24	1360					
16/09/24	1190					
17/09/24	1160					
18/09/24	1250					
19/09/24	1250					
20/09/24	1220					
21/09/24	950					
22/09/24	1190					
23/09/24	1180					
24/09/24	1380	24/09/24	M/S Sulin	3732 0 3733 0	HP 64C-1627 HP 64B 5227	
25/09/24	1250	<del>24/09/24</del>	Kumarant	<del>3732 0</del> <del>3733 0</del>	<del>HP 64C-1627</del> <del>HP 64B 5227</del>	
26/09/24	1230					
27/09/24	1270					
28/09/24	1180					
29/09/24	1070					
30/09/24	1050					

610  
October 2024

Generation		Disposal				Remarks
Date	Ash (Qty)	Date	Consignee	Q.P. No.	T. No.	
01/10/24	780					
02/10/24	1240					
03/10/24	1210					
04/10/24	1255					
05/10/24	1360					
06/10/24	960					
07/10/24	1090					
08/10/24	1300					
09/10/24	1290					
10/10/24	1290					
11/10/24	1320					
12/10/24	1195					
13/10/24	930					
14/10/24	1100					
15/10/24	1280					
16/10/24	1190					
17/10/24	1150					
18/10/24	1180					
19/10/24	1275					
20/10/24	1360					
21/10/24	1098					
22/10/24	1230					
23/10/24	1150					
24/10/24	1190					
25/10/24	1000	25/10/24	M/S Sachin	3779	HP64C9927	
26/10/24	950		Kumarant			
27/10/24	1010	25/10/24		3780	HP64D5227	
28/10/24	465					
29/10/24	460					
30/10/24	190					
31/10/24						

November 2024

Generation		Disposed				Remarks
Date	Ash Qty	Date	Consignee	G.P	T. No	
01/11/24						
02/11/24						
03/11/24						
04/11/24						
05/11/24						
06/11/24						
07/11/24		07/11/24	M/s Saehin Kumawat	3788	HP64C-9927	
08/11/24						
09/11/24		07/11/24	M/s Saehin Kumawat	3789	HP64D-9927	
10/11/24						
11/11/24						
12/11/24						
13/11/24						
14/11/24						
15/11/24						
16/11/24						
17/11/24						
18/11/24						
19/11/24						
20/11/24						
21/11/24						
22/11/24						
23/11/24						
24/11/24						
25/11/24						
26/11/24						
27/11/24						
28/11/24						
29/11/24						
30/11/24						
31/11/24						

Plant operation  
Suspended  
due to inadequate  
Sprite shortage  
space at  
30/10/24

Decemb 6 12 2024

Generation		Disposed				Remarks
Date	Ash Qty	Date	Consignee	T.P.No.	T. No.	
01/12/24						
02/12/24						
03/12/24						
04/12/24						
05/12/24						
06/12/24						
07/12/24						
08/12/24						
09/12/24						
10/12/24						
11/12/24		11/12/24	M/s Sachin Kumawat	3825	HP64DS227	
12/12/24						
13/12/24						
14/12/24						
15/12/24						
16/12/24						
17/12/24						
18/12/24		11/12/24	M/s Sachin Kumawat	3835	HP64DS227	
19/12/24						
20/12/24						
21/12/24						
22/12/24						
23/12/24						
24/12/24						
25/12/24	57					
26/12/24	90					
27/12/24	180					
28/12/24	396					
29/12/24	535					
30/12/24	450					
31/12/24	315					

Plant operation resumed w.e.f 25/12/24 at 10:05 AM

**ETP Sludge Log Book** <sup>225</sup>

**Engineering Department**

**Mohan Meakin Limited**

**Kasauli Distillery**

**Kasauli -173204**



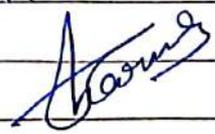
October, 2024

Date	Description of ETP Sludge	Qty(kg)	Remarks
01.10.2024	Sludge drain from Equalization Tank and processed from Screw press	10 Kg	
	Sludge drain from clarifier and processed from Screw press	10 Kg	155 Kg of sludge generated from through screw press
	Sludge drain from Tube settler (1) and processed from Screw press	20 Kg	during the day and stored at ETP sludge storage area for further disposal
	Sludge drain from Tube settler (2) and processed from screw press	15 Kg	to authorised recycler.
	Sludge drain from MBR tank and processed from screw press	30 Kg	<i>Karna</i>
	Sludge stored in drying beds has been processed from screw press	70 Kg.	
		T= 155 Kg	
02.10.2024	Sludge drain from Equalization Tank and processed from Screw press	15 Kg	
	Sludge drain from clarifier and processed from screw press	10 Kg.	
	Sludge drain from Tube settler (1) and processed from screw press	15 Kg.	<i>Karna</i>

Date	Description of ETP sludge	Qty (Kg)	Remarks
	Sludge from Aeration tank processed through screw press	100 Kg.	240 Kg of sludge generated from screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler
	Sludge stored in drying beds has been processed through screw press	100 Kg.	
		240 Kg.	
			<i>Harma</i>
02.10.2024	Sludge generated through ATFD unit	150 Kg	150 Kg of sludge generated from ATFD unit and stored at ETP sludge storage area for further disposal to authorised recycler.
		T= 390 Kg	
			<i>Harma</i>
03.10.2024	Sludge drain from equalization tank and processed from screw press	10 Kg.	
	Sludge drain from tube settlers and processed from screw press.	10 Kg	230 Kg of sludge generated from ATFD unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain in drying beds has been processed from screw press	60 Kg	
	Sludge generated through ATFD unit.	150 Kg	
		230 Kg	<i>Harma</i>

Date	Description of ETP sludge	Qty (Kg)	Remarks
04.10.2024	Sludge stored in drying bed has been processed through screw press	70 Kg	80 Kg of sludge generated from screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from equalization tank and processed from screw press	10 Kg 80	
05.10.2024	Sludge processed through ATFD unit	150 Kg	220 Kg of sludge generated from ATFD unit & screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler
	Sludge stored in drying bed has been processed through screw press	60 Kg	
	Sludge drain from equalization tank and processed from screw press	10 Kg 220 Kg	
06.10.2024	Sludge drain from tube settler (ii) and processed from screw press	15 Kg	105 Kg of sludge generated from screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler
	Sludge drain from equalization and processed from screw press	10 Kg	
	Sludge stored in drying bed has been processed from screw press	80 Kg 105 Kg	

Date	Description of ETP sludge	Qty(Kg)	Remarks
07.10.2024	Sludge processed through ATF unit	125Kg	175 Kg of sludge has been generated from ATF unit and screw press during the day and stored at ETP
	Sludge stored in drying beds has been processed through screw press	50Kg	sludge storage area for
		175 Kg	further disposal to authorised recycler. <i>Harina</i>
08.10.2024	Sludge stored in drying beds has been processed through screw press	50Kg	65 Kg of sludge has been generated from <del>ATF unit</del> and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from tube settler (4) and processed through screw press	15 Kg	
		65 Kg	<i>Harina</i>
09.10.2024	Sludge drain from clarifier and processed through screw press	30Kg	105 Kg of sludge has been generated through screw press and stored at ETP
	Sludge drain from equalization tank and processed from screw press	10Kg	sludge storage area for further disposal to authorised recycler.
	Sludge stored in drying bed has been processed through screw press	65 Kg	<i>Harina</i>
		105 Kg	

Date	Description of ETP sludge	Qty(Kg)	Remarks
10.10.2024	Sludge processed through ATEP unit	200 Kg.	
	Sludge stored in drying beds has been processed through screw press	70 Kg	280 Kg of sludge has been generated from ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from equalization tank and processed through screw press	10 Kg. 280 Kg	
11.10.2024	Sludge stored in drying beds has been processed through screw press	60 Kg.	70 Kg of sludge has been generated through screw press during the day and stored at ETP storage area for further disposal to authorised recycler.
	Sludge drain from equalization tank and processed through screw press	10 Kg. 70 Kg.	
12.10.2024	Sludge processed through ATEP unit	160 Kg.	230 Kg of sludge has been generated through ATEP unit & screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge stored in drying beds has been processed through screw press	70 Kg	
		230 Kg	

Date	Description of ETP sludge	(Qty/Kg)	Remarks
13.10.2024	Sludge stored in drying bed has been processed through screw press	50 Kg 50 Kg	50 Kg of sludge has been generated during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
14.10.2024	Sludge generated through ATFD unit	220 Kg	320 Kg of sludge has been generated during the day from ATFD unit and screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge stored in drying beds has been processed through screw press	70 Kg	
	Sludge drain from equalization tank and processed through screw press	10 Kg	
	Sludge drain from tube settler (1) and processed through screw press	20 Kg 320 Kg	
15.10.2024	Sludge stored in drying beds has been processed through screw press	60 Kg 60 Kg	60 Kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
16.10.24	Sludge generated through ATFD unit Sludge stored in drying bed has been processed through screw press	125 Kg 65	190 Kg of sludge has been generated through ATFD unit and screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
		190 Kg	

Date	Description of ETP Sludge	Qty(Kg)	Remarks
17.10.2024	Sludge stored in drying bed has been processed through screw press	70 Kg	110 kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recyclers during the day
	Sludge drain from Equalization tank and processed through screw press	10 Kg	
	Sludge drain from Clarifiers and processed through screw press	20 Kg	<i>Hasura</i>
	Sludge drain from filter settle (2) and processed through screw press	10 Kg 110 Kg	
18.10.2024	Sludge generated through ATEP unit	125 Kg	215 kg of sludge has been generated through ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recyclers.
	Sludge stored in drying beds has been processed through screw press	80 Kg	
	Sludge drain from equalization tank and processed through screw press	10 Kg 215 Kg	<i>Hasura</i>

Date	Description of ETP sludge	Qty (Kg)	Remarks
19.10.2024	Sludge stored in drying bed has been processed through screw press  Sludge drain from equalization tank and processed through screw press	70 Kg  10 Kg 80 Kg	80 Kg of sludge has been generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler  
20.10.2024	Sludge stored in drying bed has been processed through screw press  Sludge drain from Tube settler (II) and processed through screw press	890 Kg  10 Kg 100 Kg	100 Kg of sludge has been generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.  
21.10.2024	Sludge generated through ATEP unit  Sludge stored in drying beds has been processed through screw press  Sludge drain from tube settler (I) and processed through screw press	175 Kg  80 Kg 20 Kg 275 Kg	275 Kg of sludge has been generated through ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.  

Date	Description of ETP Sludge	Qty (Kg)	Remarks
22.10.24	Sludge stored in drying beds has been processed through screw press	80 Kg.	80 Kg of sludge generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
		80 Kg.	<del>80 Kg.</del>
23.10.24	Sludge generated through ATEP unit  Sludge stored in drying beds has been processed through screw press	175 Kg  50 Kg	245 Kg of sludge generated through ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge <del>stored</del> drain from equalization tank and processed through screw press	20 Kg.	
		245 Kg	
24.10.24	Sludge generated through ATEP unit  Sludge stored in drying beds has been processed through screw press	125 Kg.  50 Kg	185 Kg of sludge has been generated through ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from equalization tank and processed through screw press	10 Kg	
		185 Kg.	

Date	Description of ETP Sludge	Qty/(Kg)	Remarks
25.10.2024	Sludge stored in drying beds has been processed through screw press	80Kg.	110 Kg of sludge has been generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from clarifier and processed through screw press	130 Kg	<i>Basma</i>
		110 Kg	
26.10.2024	Sludge generated through ATEP unit	100 Kg.	200 Kg of sludge has been generated through ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain generated through methane digester and processed from screw press	100 Kg	<i>Basma</i>
		200 Kg	
27.10.2024	Sludge stored in drying beds has been processed through screw press	50Kg	70 Kg of sludge has been generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from Equalization tank and processed through screw press	10Kg.	<i>Basma</i>
	Sludge drain from Tube settler (II) and processed screw press	10 Kg	
		70 Kg	

Date	Description of ETP Sludge	Qty (Kg)	Remarks
28.10.2024	Sludge drain from equalization tank and processed through screw press	10 Kg <u>10 Kg</u>	10 Kg of sludge has been generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorized recycler.
29.10.2024	Sludge generated through ATEP unit.  Sludge stored in drying beds has been processed through screw press	200 Kg  100 Kg <u>300 Kg</u>	300 Kg of sludge has been generated through ATEP unit and screw press during the day and stored at ETP sludge storage area for further disposal to authorized recycler.
30.10.2024	Sludge drain from Equalization Tank	20 Kg <u>20 Kg</u>	20 Kg of sludge has been generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorized recycler.
31.10.2024	Sludge stored in drying bed has been processed through screw press	70 Kg	180 Kg sludge generated through screw press during the day and stored at ETP sludge storage area for further disposal to authorized recycler.
	Sludge drain from Tube settlers (2) and processed through screw press	10 Kg	
	Sludge drain from biological tank and processed through screw press	100 Kg <u>180 Kg</u>	

Date	Sludge Description of ETP	QTY (Kg)	Remarks.
01.11.2024	Sludge stored in drying beds processed through screw press.	350 Kg <u>350 Kg</u>	350 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Sharma</i>
02.11.2024	Sludge stored in drying beds processed through screw press.	400 Kg <u>400 Kg</u>	400 Kg of Sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Sharma</i>
03.11.2024	Sludge stored in drying beds processed through screw press.	400 Kg <u>400 Kg</u>	400 Kg of Sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Sharma</i>

Date	Description of ETP Sludge	Qty (Kg)	Remarks
04.11.2024	Sludge stored in drying beds processed through screw press.	300 Kg <u>300 Kg</u>	300 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Aravind</i>
05.11.2024	Sludge stored in drying beds processed through screw press.	500 Kg <u>500 Kg</u>	500 Kg of Sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Aravind</i>
06.11.2024	Sludge stored in drying beds processed through screw press.	450 Kg <u>450 Kg</u>	450 Kg of Sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Aravind</i>

Date	Description of ETP Sludge	Qty (Kg)	Remarks
07.11.2024	Sludge stored in drying beds processed through screw press	380 Kg <del>380 Kg</del>	380 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.  <i>Tranung</i>
08.11.2024	Sludge stored in drying beds processed through screw press	400 Kg <del>400 Kg</del>	400 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.  <i>Tranung</i>
09.11.2024	Sludge stored in drying beds processed through screw press	450 Kg <del>450 Kg</del>	450 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.  <i>Tranung</i>

Date	Description of ETP sludge	Qty Kg	Remarks
10.11.2024	Sludge stored in drying beds processed through screw press.	320 Kg <u>320 Kg</u>	320 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Sharma</i>
11.11.2024	Sludge stored in drying beds processed through screw press.	500 Kg <u>500 Kg</u>	500 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Sharma</i>
12.11.2024	Sludge stored in drying beds processed through screw press.	350 Kg <u>350 Kg</u>	350 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
<p><u>Note</u>:- On dated 12-11-2024, 6155 kg ETP Sludge has been lifted by M/S Shivalik Solid Waste Management Ltd; Against Manifest form-10 NO. 70499 dt. 12/11/24. Through Vehicle HP12N 0184.</p>			

*Sharma*  
12/11/2024

Date	Description of ETP Sludge	Qty (Kg)	Remarks
13.11.2024	Sludge stored in drying beds processed through screw press	450 Kg <u>450 Kg</u>	450 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler
			<i>Sharma</i>
14.11.2024	Sludge stored in drying beds processed through screw press	500 Kg <u>500 Kg</u>	500 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler
			<i>Sharma</i>
15.11.2024	Sludge stored in drying beds processed through screw press.	550 Kg <u>550 Kg</u>	550 Kg of sludge has been processed through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
			<i>Sharma</i>

Date	Description of ETP Sludge	Qty (Kg)	Remarks
16.11.2024	Sludge stored in drying beds processed through screw press.	500 Kg <del>500 Kg</del>	500 Kg of sludge has been processed through screw press and stored at E.T.P. sludge storage area for further disposal to authorized recycler. <i>Aravind</i>
17.11.2024	Sludge stored in drying beds processed through screw press	450 Kg <del>450 Kg</del>	450 Kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorized recycler. <i>Aravind</i>
18.11.2024	Sludge stored in drying bed, dried sludge has been manually removed and stored at ETP sludge storage area by workers. (8:00 am to 4 pm)	1500 Kg <del>1500 Kg</del>	1500 Kg dried sludge has been manually carried out from drying bed and stored at ETP sludge storage area for further disposal to authorized recycler. <i>Aravind</i>
19.11.2024	Dried sludge manually removed from drying bed by workers (6:00 am to 3 pm)	1800 Kg <del>1800 Kg</del>	1800 Kg dried sludge has been manually carried out from drying bed and stored at ETP sludge storage area for further disposal to authorized recycler. <i>Aravind</i>

Date	Description of ETP Sludge	(Qty/Kg)	Remarks
Note:-	On dated 19/11/2024, 8470Kg FTP sludge has been lifted by M/S shivalik solid waste management Ltd., against Manifest Form -10 through vehicle No. HP 12F 7920	8470Kg	FTP sludge has been lifted by M/S shivalik solid waste management Ltd., against Manifest Form -10 No:- 70622 dt 19/11/2024 through vehicle No. HP 12F 7920
20/11/2024	Dried sludge manually removed from drying bed by workers	1500Kg 1500Kg	1500Kg dried sludge manually carried out from drying beds and 100Kg of sludge generated through screw press has been stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drained out from Denitrification tank and processed through screw press	100Kg	
	Total →	1600Kg	
21/11/2024	Dried sludge manually removed from drying bed by workers	3000Kg 3000Kg	3000Kg dried sludge manually carried out from drying bed.
938019			

Date	Description of E.T.P. Sludge	Qty (Kg)	Remarks
22/11/2024	Dried sludge manually removed from drying bed by workers.	1800 Kg	1800 kg dried bed sludge manually carried out from drying beds and has been stored at E.T.P. sludge storage area for further disposal to authorised recycler.
23/11/2024	Dried sludge manually removed from drying bed by workers.	2450 Kg	2450 Kg dried sludge manually carried out from drying bed and has been stored at E.T.P. Sludge storage area for further disposal to authorised recycler.
25/11/2024	Dried sludge manually removed from drying bed by workers.	2700 Kg	2700 Kg dried sludge manually carried out from drying beds and has been stored at E.T.P. sludge storage area for further disposal to authorised recycler.

Date	Description of E.T.P. Sludge	Qty. Kg	Remarks
Note :-	On dated 25/11/2024, 8395 Kg ETP sludge has been lifted by M/S Shivalik Solid Waste Management Ltd. against Manifest Form-10 No:- 70807 at 25/11/2024 through Vehicle No:- HP 12F 7920		
26/11/2024	Dried sludge manually removed from drying bed by workers.	2650 Kg	2650 Kg dried sludge manually carried out from drying beds and has been stored at E.T.P. sludge storage area for further disposal to authorised recycler. <i>Arma</i>
27/11/2024	Dried sludge manually removed from drying bed by workers.	2750 Kg	2750 Kg dried sludge manually carried out from drying beds and has been stored at E.T.P. sludge storage area for further disposal to authorised recycler. <i>Arma</i>
28/11/2024	Dried sludge manually removed from drying bed by workers.	2100 Kg	2100 Kg dried sludge manually carried out from drying beds and has been stored at E.T.P. sludge storage area for further disposal to authorised

Date	Description of E.T.P. Sludge	Qty. Kg	Remarks
			recycler. <i>hormu</i>
29/11/2024	Dried sludge manually removed from drying beds by workers.	2350 Kg	2350 Kg dried sludge manually carried out from drying beds and has been stored at E.T.P. Sludge storage area for further disposal to authorised recycler. <i>hormu</i>
30/11/2024	Dried sludge manually removed from drying beds by workers.	2350 Kg	2350 Kg dried sludge manually carried out from drying beds and has been stored at E.T.P. sludge storage area for further disposal to authorised recycler. <i>hormu</i>
<p>Note:- On dated 30/11/2024, 7930 Kg ETP sludge has been lifted by M/s Shivalik Solid Waste Management Ltd. against Manifest Form -10 No:- 71006 at 30/11/2024 through Vehicle No:- HP 12F 7920</p>			

Date	Description of ETP Sludge	Qty	Remarks
01/12/2024	Sludge drain from collection tank and processed through screw press	500 Kg	600 Kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
2	Sludge drain from Equalization tank and processed through screw press	100 Kg	
		<u>600 Kg</u>	
02/12/2024	Sludge drain from clarifier and processed through screw press	200 Kg	35 Kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
2	Sludge drain from NBR tank and processed through screw press	115 Kg	
		<u>315 Kg</u>	
03/12/2024	Sludge drain from collection tank and processed through screw press	500 Kg	500 Kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
2			

Date	Description of ETP Sludge	Qty	Remarks
04/12/2024	Sludge drain from Denitrification tank and processed through screw press	600Kg	600Kg of sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recyclers
		<u>600Kg</u>	<i>Same</i>
05/12/2024	Sludge drain from collection tank and processed through screw press	300Kg	500Kg of Sludge has been generated through screw press and stored at ETP Sludge Storage area for further disposal to authorised recyclers.
	Sludge drain from Reaction tank and processed through screw press	100Kg	<i>Same</i>
	Sludge drain from biological tank and processed through screw press	100Kg	
		<u>500Kg</u>	

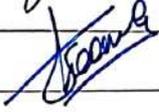
Date	Description of ETP Sludge	Qty	Remarks
06/07/2024	Sludge drain from Denitrification tank and processed through screw press	300kg.	400 Kg of ETP sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from Tubesettler (1) & processed through screw press	100kg.	
		<u>400kg</u>	
07/07/2024	Sludge drain from collection tank and processed through screw press	200kg.	400kg of ETP sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from Denitrification tank and processed through screw press	200kg.	
		<u>400kg.</u>	

*Signature*

*Signature*

Date	Description of ETP sludge	Qty	Remark
10/12/2024	Sludge drain from Denitrification tank & processed through screw press	300Kg	600Kg of ETP sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
	Sludge drain from Peration tank and processed through screw press	300Kg	<i>Harmer</i>
		<u>600Kg</u>	
11/12/2024	Sludge drain from Denitrification tank and processed through screw press	400Kg	600Kg of ETP sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler
	Sludge drain from TBOI and processed through screw press	100Kg	<i>Harmer</i>
	Sludge drain from Biological tank and processed through screw press	100Kg	
		<u>600Kg.</u>	

Date	Description of ETP sludge	Qty	Remark
12/12/2024	Sludge drain from denitrified tank and processed through screw press	400kg	500kg of ETP Sludge has been generated through screw press and stored at ETP Sludge storage area for further disposal to authorised recycler
	Sludge drain from TB(11) and processed through screw press	100kg	<i>Karuna</i>
		500kg	
<p>Note:- On dated 12<sup>th</sup> Dec 2024 8485kg ETP sludge has been lifted by M/s Shivalik Solid Waste Management Ltd., against Manifest Form-10 No:- 71352 at 12<sup>th</sup> Dec 2024 through Vehicle No - HP 930443</p>			
13/12/2024	Sludge drain from Denitrified Tank & processed through screw press	400kg	400 Kg of ETP Sludge has been generated through screw press and stored at ETP Sludge storage area for further disposal to authorised recycler
		400kg	<i>Karuna</i>

Date	Description of ETP Sludge.	Qty	Remarks.
14/12/2024	Sludge drain from biological tanks and processed through screw press	200kg	200 kg of ETP sludge has been generated through screw press and stored at ETP sludge storage area for further disposal to authorised recycler.
		<u>200kg.</u>	
<p>Note:- On dated 17<sup>th</sup> Dec 2024. 5385 kg ETP Sludge has been lifted by M/S Shivalik Solid Waste Management Ltd. against Manifest Form-10 No:- - 71487 at 17<sup>th</sup> Dec 2024 through Vehicle NO:- HP <del>13443</del> 12F 7920</p>			



**Himachal Pradesh State Pollution Control Board,**  
**Him Parivesh, Phase-III, N. Shimla -9**  
**Tel: 0177 2673766, Fax: 0 177 2673018,**  
**Website: http://www.hppcb.nic.in E. mail: mspcb-hp@nic.in**



*Registered*  
**LIFE**  
Lifestyle for Environment

No. No. PCB/HWMR/(1629)/Shivalik Solid Waste Management Ltd./Vol. VIII-

19559-72

Dated: 22/11/24

TO

✓ M/s Shivalik Solid Waste Management Ltd., Common TSDF  
Vill. Majra, P.O. Dabhota, Tehsil Nalagarh Distt. Solan H.P.

**Subject: Authorization/Renewal of Authorization for operating a facility for collection, generation, storage, transportation, treatment and disposal of Hazardous Wastes.**

1. (a) Number of Authorization : NAL-206  
(b) Date of Expiry : 31/03/2029

**Details of Authorization**

S. No.	Categories/ Waste Streams of Hazardous Waste	Type of Hazardous Waste	Quantity of Hazardous Waste Generated	Quantity Authorized for Recycling (in MT/year)	Mode of Disposal	
i)	Schedule-I of HOWMR, 2016	33.1	Empty barrels/ containers/ liners contaminated with hazardous chemicals /wastes	-----	48000 Numbers/year	Utilization as per Rule-9 of HOWMR, 2016
		5.1	Used or spent oil	-----	1000.0	Through Authorized recyclers
		1.1	Furnace or reactor residue and debris	-----	0.1	Landfill/ Co-processing in Cement Kilns/Sent for recycling/utilization to other recycling unit(s) authorized under Rule-9 of HOWMR, 2016.
		1.2	Tarry residues and still bottoms from distillation	-----	0.1	
		1.3	Oily sludge emulsion	-----	0.1	
		1.4	Organic residues	-----	0.1	
		1.5	Residues from alkali wash of fuels	-----	0.1	
		1.6	Spent catalyst and molecular sieves	-----	0.1	
		1.7	Oil from wastewater treatment	-----	0.1	
		2.1	Drill cuttings excluding those from water based mud	-----	0.1	
		2.2	Sludge containing oil	-----	0.1	
		2.3	Drilling mud containing oil	-----	0.1	
		3.1	cargo residue, washing water and sludge containing oil	-----	0.1	
		3.2	cargo residue and sludge containing chemicals	-----	0.1	
		3.3	Sludge and filters contaminated with oil	-----	1.8	
		3.4	Ballast water containing oil from ships	-----	0.5	
		4.1	Oil sludge or emulsion	-----	0.5	
		4.2	Spent catalyst	-----	0.5	
4.3	Slop oil	-----	0.5			

642

4.4	Organic residue from processes	-----	0.5
4.5	Spent clay containing oil	-----	0.5
5.2	Wastes or residues containing oil	-----	600.0
5.3	Waste cutting oils	-----	2.0
6.1	Sludge and filter press cake arising out of production of Zinc Sulphate and other Zinc Compounds.	-----	1.0
6.2	Zinc fines or dust or ash or skimmings in dispersible form	-----	1.0
6.3	Other residues from processing of zinc ash or skimmings	-----	1.0
6.4	Flue gas dust and other particulates	-----	1.0
7.1	Flue gas dust from roasting	-----	1.0
7.2	Process residues	-----	2.0
7.3	Arsenic-bearing sludge	-----	1.0
7.4	Non-ferrous metal bearing sludge and residue.	-----	5.0
7.5	Sludge from scrubbers	-----	2.0
8.1	Spent electrolytic solutions	-----	1.0
8.2	Sludge and filter cakes	-----	1.0
8.3	Flue gas dust and other particulates	-----	1.0
9.1	Lead bearing residues	-----	800.0
9.2	Lead ash or particulate from flue gas	-----	10.0
9.3	Acid from used batteries	-----	20.0
10.1	Residues containing cadmium and arsenic	-----	1.0
11.1	Sludges from off-gas treatment	-----	10.0
11.2	Cathode residues including pot lining wastes	-----	2.0
11.3	Tar containing wastes	-----	2.0
11.4	Flue gas dust and other particulates	-----	8.0
11.5	Drosses and waste from treatment of salt sludge	-----	25.0
11.6	Used anode butts	-----	1.0
11.7	Vanadium sludge from alumina refineries	-----	1.0
12.1	Acidic and alkaline residues	-----	1.0

12.2	Spent acid and alkali	643-----	1.0
12.3	Spent bath and sludge containing sulphide, cyanide and toxic metals	-----	1.0
12.4	Sludge from bath containing organic solvents	-----	1.0
12.5	Phosphate sludge	-----	1.0
12.6	Sludge from staining bath	-----	1.0
12.7	Copper etching residues	-----	1.0
12.8	Plating metal sludge	-----	0.5
13.1	Spent pickling liquor	-----	1.0
13.2	Sludge from acid recovery unit	-----	1.0
13.3	Benzol acid sludge	-----	1.0
13.4	Decanter tank tar sludge	-----	1.0
13.5	Tar storage tank residue	-----	1.0
13.6	Residues from coke oven by product plant.	-----	1.0
14.1	Cyanide-, nitrate-, or nitrite - containing sludge	-----	1.0
14.2	Spent hardening salt	-----	30.0
15.1	Asbestos-containing residues	-----	2.0
15.2	Discarded asbestos	-----	900.0
15.3	Dust or particulates from exhaust gas treatment.	-----	1.0
16.1	Mercury bearing sludge generated from mercury cell process	-----	0.5
16.2	Residue or sludges and filter cakes	-----	0.5
16.3	Brine sludge	-----	0.5
17.1	Process acidic residue, filter cake, dust	-----	30.0
17.2	Spent catalyst	-----	1.0
18.1	Spent catalyst	-----	1.0
18.2	Carbon residue	-----	1.0
18.3	Sludge or residue containing arsenic	-----	1.0
18.4	Chromium sludge from water cooling tower	-----	1.0
19.1	Residue or sludge containing phenol	-----	1.0
19.2	Spent catalyst	-----	1.0
20.1	Contaminated aromatic, aliphatic or naphthenic	-----	2.0

	solvents may or may not fit for reuse.		
20.2	Spent solvents	-----	5.0
20.3	Distillation residues	-----	1.0
20.4	Process Sludge	-----	10.0
21.1	Process wastes, residues and sludges	-----	2100.0
21.2	Spent solvent	-----	10.0
22.1	Spent catalysts	-----	1.0
22.2	Process residues	-----	50.0
23.1	Wastes or residues (not made with vegetable or animal materials)	-----	200.0
23.2	Spent solvents	-----	2.0
24.1	Chemical residues	-----	5.0
25.1	Chemical residues	-----	1.0
25.2	Residues from wood alkali bath	-----	1.0
26.1	Process waste sludge/ residues containing acid, toxic metals, organic compounds	-----	1.0
26.2	Dust from air filtration system	-----	1.0
26.3	Spent acid	-----	10.0
26.4	Spent solvent	-----	1.0
26.5	Spent catalyst	-----	1.0
27.1	Process residues	-----	1.0
28.1	Process Residue and wastes	-----	4000.0
28.2	Spent catalyst	-----	100.0
28.3	Spent carbon	-----	300.0
28.4	Off specification products	-----	2000.0
28.5	Date-expired products	-----	1000.0
28.6	Spent solvents	-----	53.0
29.1	Process wastes or residues	-----	10.0
29.2	Sludge containing residual pesticides	-----	2.0
29.3	Date-expired and off-specification pesticides	-----	1.0
29.4	Spent solvents	-----	1.0

		29.5	Spent catalysts	-----	1.0	
		29.6	Spent acids	-----	1.0	
		30.1	Chromium bearing residue and sludge	-----	1.0	
		31.1	Process residue and wastes	-----	100.0	
		31.2	Spent etching chemicals and solvents	-----	5.0	
		32.1	Spent chemicals	-----	2.0	
		32.2	Corrosive wastes arising from use of strong acid and bases	-----	2.0	
		32.3	Process sludge containing adsorbable organic halides (AOX)	-----	2.0	
		33.1	Empty barrels/ containers/ liners contaminated with hazardous chemicals /wastes	-----	500.0	
		33.2	Contaminated cotton rags or other cleaning materials	-----	1500.0	
		34.1	Chemical-containing residue arising from decontamination.	-----	50.0	
		34.2	Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	-----	50.0	
		35.1	Exhaust Air or Gas cleaning residue	-----	300.0	
		35.2	Spent ion exchange resin containing toxic metals	-----	50.0	
		35.3	Chemical sludge from waste water treatment	-----	34500.0	
		35.4	Oil and grease skimming	-----	20.0	
		35.5	Chromium sludge from cooling water	-----	2.0	
		36.1	Any process or distillation residue	-----	150.0	
		36.2	Spent carbon or filter medium	-----	40.0	
		37.1	Sludge from wet scrubbers	-----	60.0	
		37.2	Ash from incinerator and flue gas cleaning residue	-----	200.0	
		37.3	Concentration or evaporation residues	-----	100.0	
		38.1	Process residues	-----	1.0	
		38.2	Spent acid	-----	1.0	
ii)	Schedule-I of HOWMR, 2016	5.1	Used or spent oil	20 Ltr/year	-----	Through Authorized recyclers
		33.1	Empty barrels/containers/ liners contaminated with hazardous chemicals/wastes	200 Numbers/year	-----	Co- processing in Cement Kilns
		33.2	Contaminated cotton rags or other cleaning materials	0.150 MT/year	-----	
		34.1	Chemical- containing residue arising from decontamination.	1.0 MT/year	-----	Through TSDF
		34.2	Sludge from treatment of waste water arising out of	0.600	-----	

646

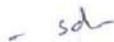
		cleaning / disposal of barrels / containers	MT/year	
35.1		Exhaust Air or Gas cleaning residue	3.0 MT/year	-----
37.3		Concentration or evaporation residues	3.0 MT/year	

2. The Authorization shall be in force for a period up to 31<sup>st</sup> March 2029 subject to concurrent validity of the Consent/ Renewal of Consent under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 or any other authorization required from the State Board.
3. M/s Shivalik Solid Waste Management Ltd. is hereby granted authorization under Rule-6 and Rule-9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 of Environment (Protection) Act, 1986 to operate a facility for generation of hazardous waste of category 5.1, 33.1, 33.2, 34.1, 34.2, 35.1, 37.3 and handling, storage & utilization of other categories of hazardous waste of Schedule-I of HOWMR, 2016 as tabulated at Sr. No. 1 of table in the premises situated at above mentioned address.
4. **The unit shall ensure that the totally covered vehicle shall be used for transportation of hazardous waste from outstation strictly as per Rule-18 of HOWMR, 2016 and CPCB guidelines. Unit shall also display their address and telephone number on covered vehicle, which shall not be used for any other purpose.**
5. **Unit shall maintain the Passbook issued along with this authorization on regular basis.**
6. The authorization is subject to the terms & conditions as given in over leaf. You shall maintain the records of hazardous waste handled by you in Form-3 and submit;
  - i) Annual return in Form-4 on or before the 30<sup>th</sup> day of June of every year.
  - ii) Apply for the renewal of authorization on prescribed Form-I through concerned Regional Office before the expiry of this authorization.
  - iii) The unit shall submit manifest in Form-10 to the concerned Regional Office regularly for the disposal of hazardous waste to the authorized facility.
7. The unit shall utilize the contaminated containers strictly as per CPCB SOPs.
8. The occupier, importer/ exporter and operator of TSDF shall be liable for all damages caused to the environment & shall be liable to pay financial penalties as levied by HP State Pollution Control Board & CPCB for violation of provisions of Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 as per Rule 23 (1) & (2).
9. The unit shall send its waste i.e. Used/Spent Oil to the authorized recycler through authorized transporter on regular basis along with contaminated containers to the facilities authorized by the concerned State Board for its treatment and disposal and shall submit manifest in Form-10 regularly to the concerned Regional Office of the State Board.
10. The unit shall not store the hazardous waste at their premises for more than the period prescribed at Rule-8 of the HOWMR, 2016
11. **Unit shall comply with the provisions of Rule 16 and 20(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, failing which authorization granted to the unit, shall stand cancelled.**

  
Anil Joshi, IFS  
Member Secretary

**Copy to:**

1. The Regional Officer, HP State Pollution Control Board, Baddi Distt. Solan in reference to case recommended by you online as well as SOP verification report submitted by the Joint Committee vide letter No. PCB/Regional Lab/Paonta/Joint Inspection/-453 dated 06.11.2024. You are directed to ensure the compliance of conditions of Authorization and assess the quantum of hazardous waste generated by the unit and submit report thereof to this office.
2. The Regional Officer, HPSPCB, Regional Office, Paonta Sahib, Shimla, Rampur, Dharamshala, Hamirpur, Bilaspur, Kullu, Chamba, Una, Parwanoo, Mandi for information.
3. Case File.

  
Anil Joshi, IFS  
Member Secretary  
Next Page

**TERMS AND CONDITIONS OF AUTHORISATION**

- 1 The authorized person shall comply with the provisions of the **Environment (Protection) Act 1986** and the rules made there under.
- 2 The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the H.P. State Pollution Control Board.
- 3 The person authorized shall not rent, lend, sell, dispose, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Board.
- 4 Any unauthorized change in personnel, equipment and working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- 5 It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
- 6 An application for the **Renewal of Authorization** shall be made as per **Rule 6** of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 i.e. in **Form-I** before expiry of authorization.
- 7 The occupier authorized for generation, handling, collection, reception, treatment, transport, storage, recycling, reprocessing, recovery, reuse and disposal of hazardous wastes and shall **maintain records** of such operations along with data on environmental surveillance in **Form-3** and shall submit **Annual Returns** to the Board in **Form-4** by on or before the 30<sup>th</sup> day of June of every year.
- 8 The authorized person shall report about the accident which occurs at the hazardous waste storage site immediately to HPSPCB.
- 9 Before transferring ownership or operation of a facility/unit during its operating life or of a disposal facility during the post closure period, the owner/ operator of the unit must seek prior permission of the State Board and must notify the new occupier or operator in writing of the requirements of this authorization. An occupier or operator of the requirements of this authorization in no way relieves the new occupier or operator of his obligation to comply with all applicable requirements.
- 10 Before the hazardous waste is stored or dumped in the facility, he (she) must conduct a detailed physical and chemical analysis of hazardous waste sample collected from the site and to report to the State Board.
- 11 An occupier/ generator shall not store hazardous wastes in open ground. It must be stored in an isolated site away from plant operational area.
- 12 The storage tank/container of the hazardous waste should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can with-stand the physical and environmental conditions during storage and handling.
- 13 The occupier generating hazardous waste shall mark each container holding hazardous waste with the marking "**HAZARDOUS WASTE**" both in English and Hindi.
- 14 The storage area should be fenced properly and a SIGN/ NOTICE Board indicating "**DANGER**" and "**HAZARDOUS WASTE**" sign & nature of the waste with quantum of storage, generation shall be placed at storage site.
- 15 The occupier generating hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gumboots etc. to the workers for handling the hazardous waste. The occupier shall impart training to the personnel/ workers for handling and storage of hazardous waste.
- 16 Non-compatible hazardous waste and material shall not be mixed in the same storage container.
- 17 The industry shall store the hazardous waste in **lined pits** provided within the industry premises for the period as prescribed by the State Board. The pit(s) should be covered from the top. The storage area shall be demarcated by a barbed fencing with a "**DANGER**" and "**HAZARDOUS WASTE**" sign. The unit shall transfer the hazardous waste to TSDF at Village Majra, PO Dhabota, Tehsil Nalagarh, Distt. Solan (HP).
- 18 There should be sufficient & efficient provisions to avoid under ground water contamination due to waste storage and disposal. The quality of ground water where the waste has been stored shall be monitored by the industry.
- 19 The occupier shall be responsible for any damage of life/or property during storage of his waste and will obtain Public Liability Insurance, wherever applicable.
- 20 The industry shall take steps wherever feasible, for reduction in hazardous waste generated or recycled or reused and submit the report along with application for renewal of authorization.
- 21 **The occupier who is generating hazardous waste shall draw an Emergency Plan for meeting any emergency due to On Site Storage of Hazardous Waste inside its premises.**
- 22 The occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board of both the States in case of transport of hazardous wastes for final disposal to a facility for treatment, storage and disposal existing in a State other than the State where the hazardous waste is generated. The occupier shall intimate the concerned State Pollution Control Boards before he hands over the hazardous wastes to the transporter in case of transportation of hazardous wastes through a State other than the State of origin or destination
- 23 The hazardous waste should be transported through a transporter having valid authorization of the HPSPCB.
- 24 No transportation of hazardous wastes shall be under taken unless it is accompanied by five copies of the manifest (**Form-10**) as per the color codes. The transporter shall give a copy of the manifest duly signed with date to the occupier and retain the remaining four copies to be used as prescribed in condition no. 26.
- 25 The occupier shall provide the transporter with six copies of the manifest in **Form-10** as per the color codes indicated below:
 

Copy 1 (White)	To be forwarded by the sender to the State Pollution Control Board (respective Regional Office) after signing all the seven copies.
Copy 2 (Yellow)	To be retained by the sender after taking signature on it from the transporter and rest of the five signed copies to be carried by the transporter.
Copy 3 (Pink)	To be retained by the receiver (actual user or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are to be duly signed by the receiver.
Copy 4 (Orange)	To be handed over to the transporter by the receiver after accepting waste.
Copy 5 (Green)	To be sent by the receiver to the State Pollution Control Board.
Copy 6 (Blue)	To be sent by the receiver to the sender.
Copy 7 (Grey)	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.
- 26 The occupier shall provide the transporter with relevant information in **Form-9**, regarding the hazardous nature of the wastes and measures to be taken in case of an emergency and shall label the hazardous and other wastes containers as per **Form-8**.
- 27 The industry shall get registered with MoEF under Battery (M&H) Rules, 2001 along with authorization from HPSPCB under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for recycling/ reprocessing the battery scrap, lead dross etc., if applicable.
- 28 The industry shall ensure that E-waste generate if any, by them is channelized to authorized collection centre/ registered dismantler or recycler or is returned to the pickup or take back services provided by the producer.
- 29 The occupier generating hazardous waste specified in **Schedule-IV** may sell it only to recycler having a valid authorization from State Pollution Control Board for recycling or reprocessing.
- 30 Bulk Consumer & Auctioneer of used lead acid batteries shall file return in Form-VIII & IX respectively of Batteries (M&H) Rules 2001.
- 31 The unit shall required to display quantum, storage of hazardous wastes on a Sign Board of size 6'x4' at main gate;
- 32 The occupier, importer, transporter and operator of the facility shall be liable for all the damages caused to the environment or third party due to improper handling of hazardous wastes or disposal of hazardous wastes.
- 33 The utilization of hazardous and other wastes as a resource or after pre-processing either for co-processing or for any other use, including within the premises of the generator, shall be carried out only after obtaining authorization from the State Pollution Control Board in respect of waste on the basis of standard operating procedures or guidelines provided by the central Pollution Control Board.
- 34 **RO rejects, if generated by the industries shall be disposed off to in MEE or to TSDF.**
- 35 Utilization of hazardous waste as a supplementary resource or for energy recovery or after processing shall be carried out by the units only after obtaining approval from CPCB if applicable.
- 36 Import of hazardous wastes shall be made in accordance to the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- 37 The firm shall get the sample of sludge/ slag / or process solid waste, if any, analysed for Hazardous Waste constituents/ leachate properties and inform this office accordingly.
- 38 The authorization is subjected to the conditions mentioned above and also to such conditions as may be specified in the rules from time to time in force under the Environment (Protection) Act 1986.

648



**Disposal of Sludge Stored in Drying Beds: Direction Complied**



# Shivalik Solid Waste Management Limited

649

261

Regd. Office : Village Majra, P.O. Dabhota, Teh. Nalagarh, Distt. Solan, Himachal Pradesh - 174 101  
Zirakpur Office : SCO20-21, 1st Floor, Near Hotel Dolphin, Kalka-Shimla Highway, Baltana, Sirakpur, Punjab -140 604  
Ph. : 01762-509496, Telefax : 01795-260427, E-mail : rajeev.thakur@bell.co.in  
GSTIN : 02AAJCS7647D1ZE CIN:U33130HP2005PLC028806

Ref. No. SSWML/NL9/23-24/5590

Dated. 21/11/24

To,

M/s Mohan Meakin Limited  
Kasauli, Solan, Distt-Solan HP-173204

Sub: Confirmation about Waste Disposal.

Dear Sir,

We would like to inform you that following waste material received has been processed as per detail provided in below table:

Sr. No	Date	Material Description	Manifest No.	Quantity	UOM	End Use
1	07.04.23	Etp Sludge	53808	7.695	MT	Landfil
2	14.06.23	Etp Sludge	55498	6.005	MT	Landfil
3	23.12.23	Etp Sludge	61015	7.100	MT	Landfil
4	09.02.24	Etp Sludge	62370	5.690	MT	Landfil

Thanking You,



For Shivalik Solid Waste Management Ltd.

An ISO-9001:2015,ISO-14001:2015,ISO 45001:2018 Certified Company



Providing Solution for Clean Environment

Website : [www.sswml.net](http://www.sswml.net)



**SHIVALIK SOLID WASTE MANAGEMENT LTD.**

CIN : U33130HP2005PLC028806

GSTIN : 02AAJCS7647D1ZE

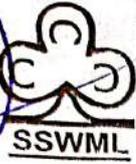
FORM 10 [See Rule 19(D)]

**MANIFEST FOR HAZARDOUS AND OTHER WASTE**



1.	Sender's Name and mailing address (including Phone No. and e-mail)	Mohhan Meakin Limited Kasauli Distillery Kasauli-173204 Phone No. : 01792-272021 e-mail : Kasauli@mohanmeakin.com
	GSTIN	
2.	Sender's Authorization No.	SOL-PWN-159
3.	Manifest Document No.	<b>71006</b>
4.	Transporter's name and address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.)
5.	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	NAL-206
7.	Vehicle registration No.	HP 12F7920
8.	Receiver's name and mailing address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.) Ph. : 01795-260427
9.	Receiver's authorization No.	NAL-206
10.	Waste description	E.T.P Sludge (Drying Beds)
11.	Total quantity No. of Containers	7.930 m3 or MT One Nos.
12.	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special handling instructions and additional information	
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name & Stamp:  Signature: <i>Ratna</i>	Day Month Year 30 - 11 - 2024
15.	Transporter acknowledgement of receipt of Waste Shivalik Solid Waste Management Ltd. Village Majra (Dabhota) Teh. Nalagarh Name & Stamp:  Signature: <i>[Signature]</i>	Day Month Year 30 - 11 - 2024
16.	Receiver's certification for receipt of hazardous and other waste Name & Stamp:  Signature: <i>[Signature]</i>	Day Month Year 30 - 11 - 2024

Blue Copy



**SHIVALIK SOLID WASTE MANAGEMENT LTD.**

CIN : U33130HP2005PLC028806

GSTIN : 02AAJCS7647D1ZE

FORM 10 [See Rule 19(D)]



**MANIFEST FOR HAZARDOUS AND OTHER WASTE**

1.	Sender's Name and mailing address (including Phone No. and e-mail)	Mohan Meakin Limited Kasauli Distillery Kasauli - 173204 Phone No. : 01792-272021
	GSTIN	e-mail : kasauli@mohanmeakin.com
2.	Sender's Authorization No.	SOL-PWN-159
3.	Manifest Document No.	70807
4.	Transporter's name and address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.)
5.	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	NAL-206
7.	Vehicle registration No.	HP12F 7920
8.	Receiver's name and mailing address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.) Ph. : 01795-260427
9.	Receiver's authorization No.	NAL-206
10.	Waste description	FTP Sludge (Drying Beds)
11.	Total quantity	8.395 m3 or MT
	No. of Containers	One Nos.
12.	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special handling instructions and additional information	
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name & Stamp: Signature:	Day Month Year 25 - 11 - 2024
15.	Transporter acknowledgement of receipt of Wastes	
	Name & Stamp: Signature:	Day Month Year 25 - 11 - 2024
16.	Receiver's certificate for receipt of hazardous and other waste	
	Name & Stamp: Signature:	Day Month Year 25 - 11 - 2024

30.11.24

Blue Copy



**SHIVALIK SOLID WASTE MANAGEMENT LTD.**

CIN : U33130HP2005PLC028806

GSTIN : 02AAJCS7647D1ZE

FORM 10 [See Rule 19(1)]



**MANIFEST FOR HAZARDOUS AND OTHER WASTE**

1.	Sender's Name and mailing address (including Phone No. and e-mail)	Mohan Meaking Limited Kasauli Distillery Kasauli 173204 Phone No. : 01792-272021
	GSTIN	e-mail : Kasauli@mohanmeaking.com
2.	Sender's Authorization No.	SOL-PWN-159
3.	Manifest Document No.	70622
4.	Transporter's name and address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.)
5.	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	NAL-206
7.	Vehicle registration No.	HP 12F 7920
8.	Receiver's name and mailing address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.) Ph. : 01795-260427
9.	Receiver's authorization No.	NAL-206
10.	Waste description	ETP Sludge (Drying beds)
11.	Total quantity No. of Containers	8.470 m3 or MT One Nos.
12.	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special handling instructions and additional information	
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name & Stamp:	Signature:
		Day: 19 - Month: 11 - Year: 2024
15.	Transporter acknowledgement of receipt of Wastes	Shivalik Solid Waste Management Ltd. Village Majra (Dabhota) Teh. Nalagarh Distt. Solan (HP) Pin 173204
	Name & Stamp:	Signature:
		Day: 19 - Month: 11 - Year: 2024
16.	Receiver's certification for receipt of hazardous and other waste	
	Name & Stamp:	Signature:
		Day: 19 - Month: 11 - Year: 2024

27.11.24

Blue Copy

653

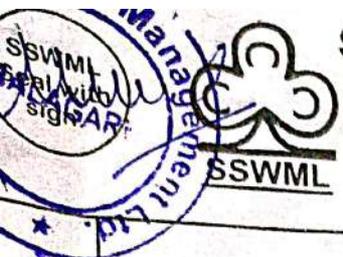
**SHIVALIK SOLID WASTE MANAGEMENT LTD.**

CIN : U33130HP0105PLC028806

GSTIN : 02AAJCS7647D1ZE

FORM 10 [See Rule 19(D)]

**MANIFEST FOR HAZARDOUS AND OTHER WASTE**



1.	Sender's Name and mailing address (including Phone No. and e-mail)	Mohan Meakin Limited Kasauli Distillery Kasauli - 173204 Phone No. : 01792-272021
2.	GSTIN	e-mail : kasauli@mohanmeakin.com
2.	Sender's Authorization No.	SOL-PWN-159
3.	Manifest Document No.	71352
4.	Transporter's name and address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.)
5.	Type of vehicle	(Truck/Tanker/Special Vehicle)
6.	Transporter's registration No.	NAL-206
7.	Vehicle registration No.	HP930443
8.	Receiver's name and mailing address (including Phone No. and e-mail)	SHIVALIK SOLID WASTE MANAGEMENT LTD. Vill. Majra, P.O. Dabhota, Teh. Nalagarh Distt. Solan (H.P.) Ph. : 01795-260427
9.	Receiver's authorization No.	NAL-206
10.	Waste description	ETP Sludge (Drying Beds)
11.	Total quantity	848.5 kg
11.	No. of Containers	one
12.	Physical form	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special handling instructions and additional information	
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name & Stamp	Signature: [Signature]
		Day Month Year 1 2 - 1 2 - 2 0 2 4
15.	Transporter acknowledgement of receipt of Wastes	
	Name & Stamp	Signature: [Signature]
		Day Month Year 1 2 - 1 2 - 2 0 2 4
16.	Receiver's certification for receipt of hazardous and other waste	
	Name & Stamp	Signature: [Signature]
		Day Month Year 1 2 - 1 2 - 2 0 2 4

# Jal Shakti Dept asked to install treatment plant for water scheme

**AMBIKA SHARMA**  
TRIBUNE NEWS SERVICE

**SOLAN, DECEMBER 2**

Taking stern view of the presence of faecal coliform found in the drinking water supply scheme of Larah in Kasauli area, a National Green Tribunal (NGT) appointed committee has directed the Jal Shakti Department (JSD) to install sewage treatment plant (STP) and ensure apt treatment of the water in the said scheme.

The NGT had taken note of a news item "Kasauli Distillery dumps effluents into water source, supply affected" which appeared in these columns in December 2023. The tribunal constituted a joint committee to examine the water source which found that faecal coliform perpetually polluted the water of the said scheme where some hotels also let out their sewage waste.

Samples were drawn from the intake point and outlet points of the scheme to test the quality of water.

## LAB ANALYSIS FOUND FAECAL COLIFORM

The laboratory analysis had indicated the presence of faecal coliform and total coliform in water even after chlorination, which was the lone water treatment undertaken by the Jal Shakti Department

The laboratory analysis results of the final outlet of water supply scheme had indicated the presence of faecal coliform and total coliform in the water even after chlorination which was the lone water treatment undertaken by the department. As per the Indian Standard of drinking water - specification (IS 10500: 2012), the water intended for drinking or treated for drinking should not contain E coli or thermo tolerant coliform bacteria, and total coliform bacteria.

"Water Supply Scheme of Jal Shakti Vibhag is required to be upgraded in terms of treatment of organic and microbial contaminants by implementing appropriate stages including but not limited to pre-chlorination, chemical and/or bio-

logical treatment, to ensure supply of safe drinking water," the committee headed by Deputy Commissioner had recommended. Members of state and central pollution control boards were also part of the committee.

The Jal Shakti Department (JSD) has been directed to review the treatment system of the said water supply scheme and provide an apt tertiary treatment and disinfection system before distributing the water to the gram panchayat of Garkhal and Sanawar.

The revelation has put a question mark on the water disinfectant system of the Jal Shakti Department which was barely confined to primary treatment of chlorination.

"The installation of a Sewage Treatment Plant

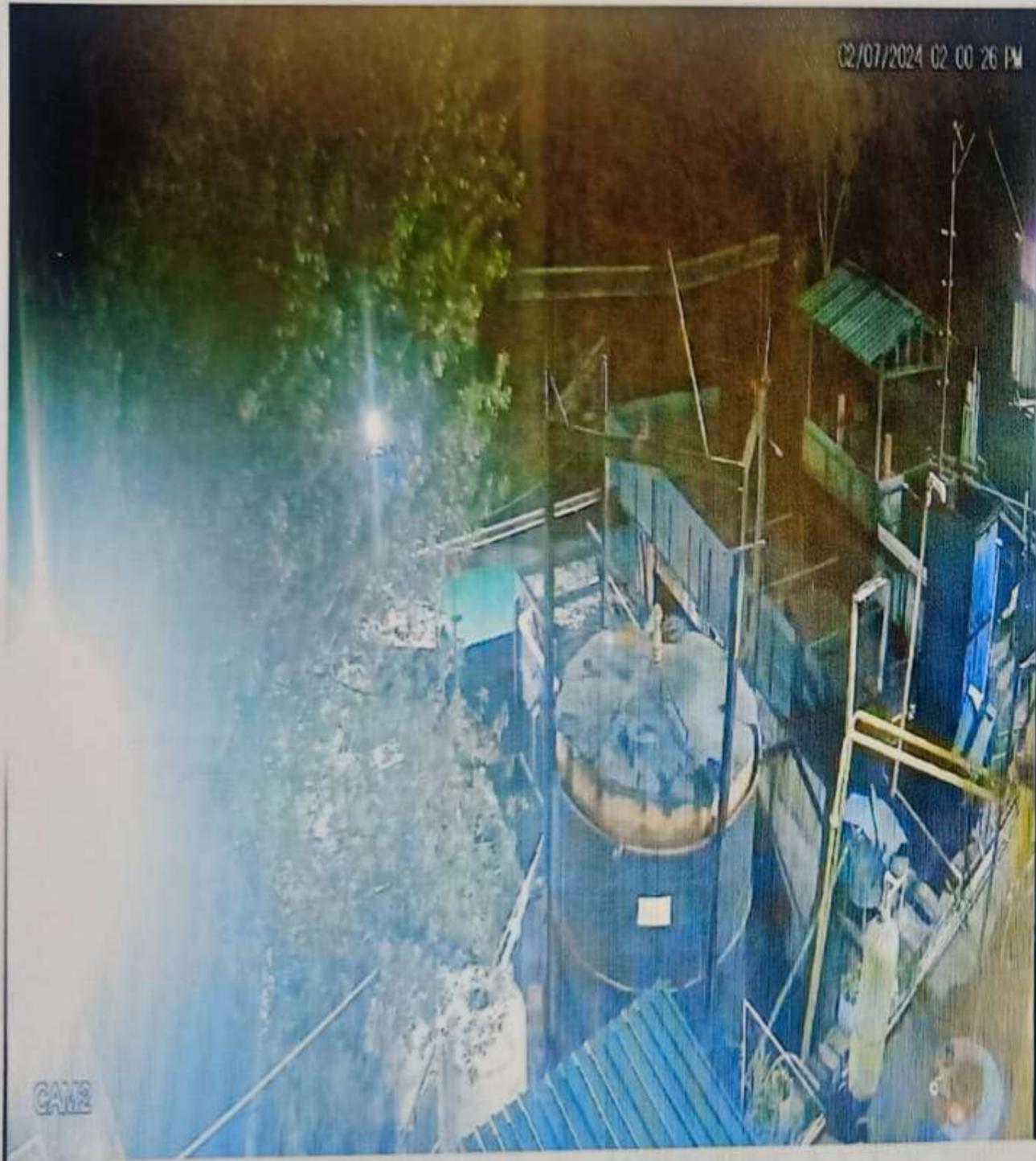
{STP) at the said scheme would prevent discharge of untreated domestic/sewage waste into the drains leading to the Water Supply Scheme of Jal Shakti Vibhag which is used to supply drinking water supply to nearby village panchayats," noted the committee

The Jal Shakti Department has to submit an action taken report in compliance with the directions of the NGT before the next date of hearing in January 2025. Following this the JSD Dharampur was directed to take immediate measures to ensure compliance to drinking water standards and provide safe drinking water to the residents by the joint committee.

Assistant Engineer JSD Bhanu Uday, when asked, said they are preparing the project report for installing a STP and providing apt water purification system for the said scheme. He added that a cluster scheme would be worked out to set up a STP for the area.

655

ANNEXURE - Q (COLLY)





The Screenshol has been taken fromrunning video recording



The Screenshol has been taken fromrunning video recording



Proof of Service

658

Kashika Gera <kashika.gera17@gmail.com>

---

**Advance Service in OA 785/2023 NGT**

1 message

---

**Kashika Gera** <kashika.gera17@gmail.com>

Fri, Feb 14, 2025 at 10:57 AM

To: shreyasinha@gmail.com, vikrant.panchnanda@gmail.com, adv.anubhav@outlook.com, iro.shimla-mefcc@gov.in

Dear Sir/Madam,

Please find enclosed the reply on behalf of Respondent No. 5 in the captioned IO.

This is by way of advance service.

Regards  
Adv. Kashika Gera  
On behalf of Adv. Vipul Wadhwa  
KT Advisors LLP

 Final Reply.pdf