

**Inspection report of M/s Ultratech
Cement Limited(Unit-Dalla Cement
Works), Vill-Kota, Block-Chopan,
Tehsil-Robertsganj, Distt-Sonbhadra
Uttar Pradesh**

Placed before

**HON'BLE NATIONAL GREEN TRIBUNAL (NGT),
New Delhi**

**In the matter of OA No. 881 Of 2019
Avdesh Chauhan V/S State Of Uttar Pradesh**

Members Represented by


(Anil Kumar)
Asstt. Engineer,
U.P. Jal Nigam,
Sonbhadra


(Radhey Shyam)
Regional Officer,
U.P. Pollution Control
Board,
Sonbhadra

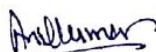

(Jainendra Singh)
Deputy Collector,
Mukhyalay
Tehsil-Robertsganj,
Sonbhadra

**REPORT OF JOINT INSPECTION TEAM IN COMPLIANCE TO HON'BLE
NGT ORDER DATED 30.10.2019 IN ORIGINAL APPLICATION No. 881
of 2019 IN THE MATTER OF AVDESH CHAUHAN V/S STATE OF
UTTAR PRADESH**

Hon'ble NGT directions in its order dated 30.10.2019 in Original Application No. 881 of 2019 in the matter of Avdesh Chauhan V/s State of Uttar Pradesh have directed to District Magistrate Sonbhadra and State Pollution Control Board to look in to the matter, take appropriate action and furnish a factual and action taken report in the matter within one month.

In compliance of Hon'ble NGT order dated 30.10.2019 in Original Application No. 881 of 2019 in the matter of Avdesh Chauhan V/s State of Uttar Pradesh, inspection of M/s Ultratech Cement Limited(Unit-Dalla Cement Works), Vill-Dalla, Block-Chopan, Tehsil-Robertsganj, Distt-Sonbhadra Uttar Pradesh was carried out by the Deputy Collector, Mukhyalay, Tehsil-Robertsganj, Sonbhadra, Regional Officer, U.P. Pollution control board, Sonbhadra and Assistant Engineer, U.P. Jal Nigam, Sonbhadra on dated 16.01.2020. At the time of inspection industry was in production and Shri Naveen Kukreti Senior Vice President (Technical) was present as representative of the industry. The detail inspection report is as bellow:-

1. The industry is engaged in the production of Cement (Integrated) having capacity of 0.5 million ton/annum by using clinker, fly ash and Gypsum as raw material and 2.0 million ton/annum using Lime Stone, Red Mud and Coal. Unit have installed captive power plant of capacity 27 M.W. At the time inspection unit was found operational.
2. Unit has installed 3 nos. of Water pumps in a well at Chopan intake (one was found defunct and one is standby), having 50 HP capacity each (Geo co-ordinates are 24.499435N, 83.043922E) and 4 nos. of tube well at Baghanala (Geo co-ordinates are 24.480023N, 83.048022E) having 4 water pumps of 10 HP capacity each for extraction of ground water. Unit has installed a common water collection tank at Chopan intake of capacity -100 KL.


(Anil Kumar)


(Radhey Shyam)


(Jaiendra Singh)

3. Water collection tank is about a distance of 7.5 Km from the industry. Water is again pumped from water collection tank to unit by three water pumps having capacity 241 HP and 215x2 HP. Digital water flow meter is installed at discharge point of water collection tank and at the time of inspection it was found operational.
4. At the time of inspection unit has provided the copy of log book (Chopan intake) regarding water pumped to industry from water collection tank. The quantity of water consumed by the industry in last one year is as bellow:-

| Sl. No. | Month | Water Meter (Manual/Digital) | Initial meter reading | Final meter reading | Quantity of water Consumed (KL) |
|---|----------------|--|--|---|-----------------------------------|
| 1 | January-2019 | Manual Meter | 369600 | 463700 | 94,100 |
| 2 | February-2019 | Manual Meter | 463700 | 542100 | 78,400 |
| 3 | March-2019 | Manual Meter | 542100 | 635200 | 93,100 |
| 4 | April-2019 | Manual Meter | 635200 | 734600 | 99,400 |
| 5 | May-2019 | Manual Meter | 734600 | 841000 | 1,06,400 |
| 6 | June-2019 | Manual Meter | 841000 | 951400 | 11,0400 |
| 7 | July-2019 | Manual Meter | 951400 | 1040500 | 89,100 |
| 8 | August-2019 | Manual Meter up to 08.08.2019 and Digital Meter from 09.08.2019 onward | 1040500 (Manual meter) 0.00 (Digital meter) | 1069500 (Manual meter) 61627 (Digital meter) | 29000 61627 ----- 90,627 |
| 9 | September-2019 | Digital Meter | 61627 | 123247 | 61,620 |
| 10 | October-2019 | Digital Meter | 123247 | 187721 | 64,474 |
| 11 | November-2019 | Digital Meter | 187721 | 242113 | 54,392 |
| 12 | December-2019 | Digital Meter | 242113 | 304678 | 62,565 |
| Total Water Consumption in last 12 month | | | | | 10,04,578 KL |

5. At the time of inspection unit has provided the copy of NOC issued from the Government of India Central Ground Water Authority (CGWA) Ministry of Water Resources, River Development & Ganga Rejuvenation. The validity of above NOC is up to 26.11.2020. As per CGWA NOC, unit is allowed to abstract 4,008 cu.m/day (and not exceeding 13,55,470 cu.m/year) of ground water.


(Anil Kumar)

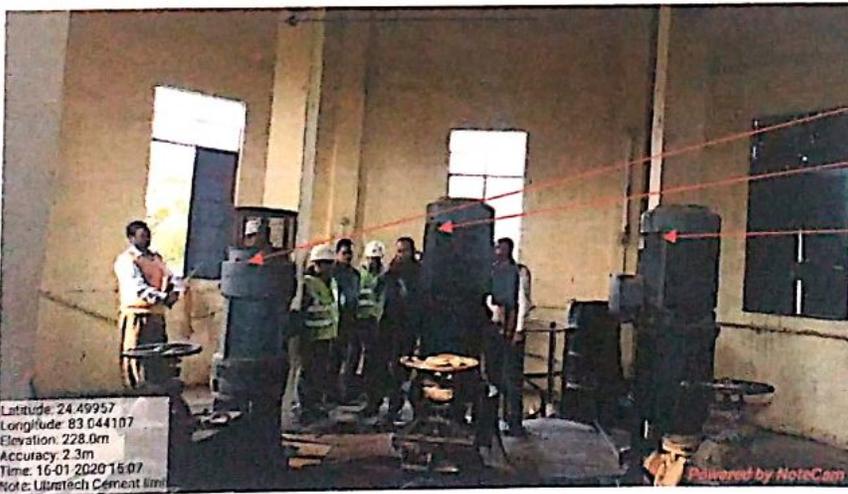

(Radhey Shyam)


(Jaiendra Singh)

6. The actual water consumption of unit in last 12 months was 4,22,778 KL (cu.m) and unit has valid NOC for extraction of 13,55,470 cu.m(KL)/year. Thus unit is not abstracting ground water above permissible limit.



WELL AT
CHOPAN INTAKE
POINT

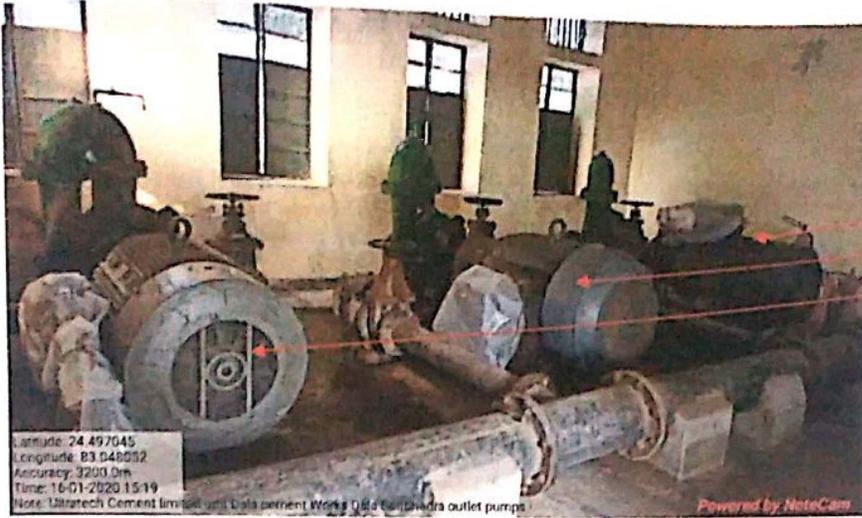


3 PUMPS IN A WELL
AT CHOPAN INTAKE
POINT

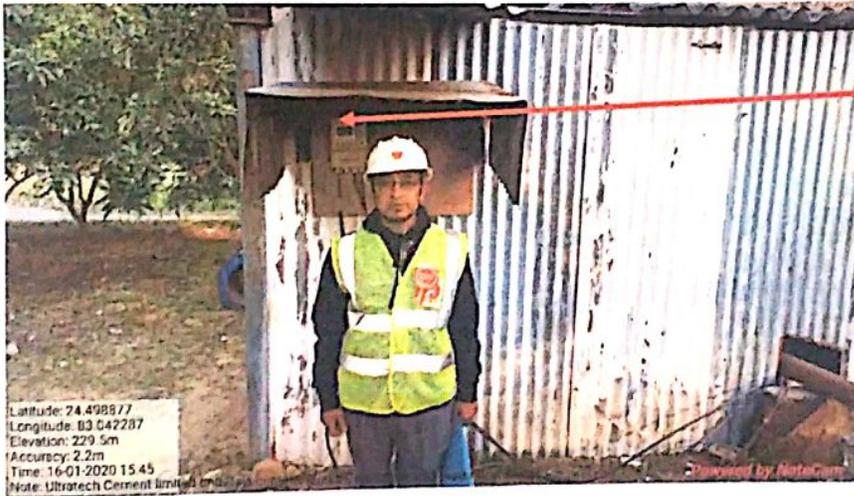
Anil Kumar
(Anil Kumar)

Radhey Shyam
(Radhey Shyam)

Jaiendra Singh
(Jaiendra Singh)
Page 3 of 4



THREE WATER PUMPS INSTALLED AT WATER COLLECTION TANK



WATER METER INSTALLED AT DISCHARGE POINT OF WATER COLLECTION TANK

Conclusion:- Industry is abstracting ground water after getting valid NOC from Government of India Central Ground Water Authority (CGWA) Ministry of Water Resources, River Development & Ganga Rejuvenation and ground water abstraction is within permissible limit.

Anil Kumar
(Anil Kumar)
Asstt. Engineer,
U.P. Jal Nigam,
Sonbhadra

Radhey Shyam
(Radhey Shyam)
Regional Officer,
U.P. Pollution Control Board,
Sonbhadra

Jainendra Singh
(Jainendra Singh)
Deputy Collector,
Mukhyalay
Tehsil-Robertsganj,
Sonbhadra

Member (CGWA)



भारत सरकार
केन्द्रीय भूमि जल प्राधिकरण
जल संसाधन, नदी विकास
और गंगा संरक्षण मंत्रालय

Government of India
Central Ground Water Authority
Ministry of Water Resources,
River Development & Ganga Rejuvenation

File No: - 21-4/4824/UP/IND/2017 - 2332

NOC No: - CGWA/NOC/IND/ORIG/2018/4446

Date: - 20 DEC 2018

To

M/s Ultratech Cement Limited
(Unit-Dalla Cement Works)
Village - Dalla, Block Chopan
District Sonbhadra, Uttar Pradesh - 231207

Sub:- NOC for ground water withdrawal to M/s Ultratech Cement Limited (Unit-Dalla Cement Works) in respect of their existing Cement manufacturing unit located at Village Kota, Block Chopan, District Sonbhadra, Uttar Pradesh - reg.

Refer to your application dated 30/12/2017 for grant of NOC for ground water withdrawal. Based on recommendation of Regional Director, Central Ground Water Board, Northern Region, Lucknow vide his letter dated 06/08/2018 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to **M/s Ultratech Cement Limited (Unit-Dalla Cement Works) in respect of their existing Cement manufacturing unit located at Village Kota, Block Chopan, District Sonbhadra, Uttar Pradesh.** The NOC is valid from 27/11/2018 to 26/11/2020 and is subject to the following conditions:-

1. The firm may abstract **4,008 cu.m/day** (and not exceeding **13,55,470 cu.m/year**) of ground water through five (5) existing tube wells only. No additional ground water abstraction structures shall be constructed for this purpose without prior approval of the CGWA.
2. All the wells shall be fitted with digital water flow meter by the firm at its own cost and monthly ground water abstraction data of each well shall be recorded in a log book. Compliance to this condition shall be reported within one month from the date of issue of this letter.
3. **M/s Ultratech Cement Limited (Unit-Dalla Cement Works)**, in consultation with the Regional Director, Central Ground Water Board, Northern Region, Lucknow shall implement ground water recharge measures atleast to the tune of **2,17,830 cu.m/year** as proposed, for augmenting the ground water resources of the area. Firm shall report the compliance within six months from the date of issue of this letter. Firm shall also undertake periodic maintenance of recharge structures at its own cost.
4. The photographs of the recharge structures after completion of construction of the same shall be furnished immediately to the Regional Director, Central Ground Water Board, Northern Region, Lucknow for verification under intimation to this office.
5. The firm, at its own cost, shall construct two (2) observation wells (piezometers) at suitable locations and install digital water level recorders on both the piezometers for monthly ground water level monitoring in consultation with the Regional Director,

18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone : (011) 23383561 Fax : 23382051, 23386743

Website: www.cgwa.noc.gov.in

स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल

CONSERVE WATER - SAVE LIFE

Central Ground Water Board, Northern Region, Lucknow. The firm shall install telemetry system in one of the piezometers and shall share the user ID and password of the telemetry system with the Regional Director, Central Ground Water Board, Northern Region, Lucknow.

6. The ground water quality shall be monitored once in a year during pre- monsoon period.

7. The ground water monitoring data in respect of S. No. 2, 5 & 6 shall be submitted to the Regional Director, Central Ground Water Board, Northern Region, Lucknow on regular basis at least once in a year.

8. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.

9. Action taken report in respect of S. No. 1 to 8 shall be submitted to CGWA within one year period.

10. This NOC is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 9.

11. This NOC is subject to prevailing Central/State Government rules/laws or Court orders related to construction of tubewell/ground water withdrawal/construction of recharge or conservation structure/discharge of effluents or any such matter as applicable.

12. The firm shall report self compliance online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

13. This NOC does not absolve the applicant / proponent of this obligation / requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.

14. The NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and be taking decisions independently of the NOC.


Member (CGWA)

Copy to:

1. The Member Secretary, Uttar Pradesh Pollution Control Board, PICUP Bhawan, Third Floor, B-Block, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh.
2. The District Magistrate, District Sonbhadra, Uttar Pradesh for necessary action.
3. The Regional Director, Central Ground Water Board, Northern Region, Lucknow. This has reference to your recommendation dated 06/08/2018.
4. Guard File 2018-19.

/

Member (CGWA)

**Ultra Tech Cement Limited
Dalla Cement Works
Monthly water report**

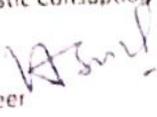
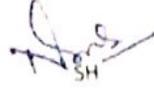
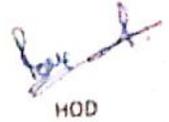
Month- June-19

| Sr. | Borewell No. | Initial reading | Final reading | Factor | Difference (KL) |
|-----|-----------------------------|-----------------|---------------|--------------|-----------------|
| 1 | Chopan Intake (tubewell-01) | 8410 | 9514 | 100 | 11040 |
| 2 | Baggha Nalla (tubewell -02) | 11563 | 11563 | 1 | 0 |
| 3 | Baggha Nalla (tubewell -03) | 28653 | 28653 | 1 | 0 |
| 4 | Baggha Nalla (tubewell -04) | 35621 | 35621 | 1 | 0 |
| 5 | Baggha Nalla (tubewell -05) | 108612 | 108612 | 1 | 0 |
| | | | | Total | 110400 |

1 Plant consumption
2 Domestic Consumption

83850
26550

Engineer

HOD

**Ultra Tech Cement Limited
Dalla Cement Works
Monthly water report**

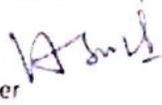
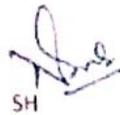
Month- Mar-19

| Sr. | Borewell No. | Initial reading | Final reading | Factor | Difference (KL) |
|-----|-----------------------------|-----------------|---------------|--------------|-----------------|
| 1 | Chopan Intake (tubewell-01) | 5421 | 6352 | 100 | 93100 |
| 2 | Baggha Nalla (tubewell -02) | 11563 | 11563 | 1 | 0 |
| 3 | Baggha Nalla (tubewell -03) | 28653 | 28653 | 1 | 0 |
| 4 | Baggha Nalla (tubewell -04) | 35621 | 35621 | 1 | 0 |
| 5 | Baggha Nalla (tubewell -05) | 108612 | 108612 | 1 | 0 |
| | | | | Total | 93100 |

1 Plant consumption
2 Domestic Consumption

65853
27247

Engineer


HOD

Ultra Tech Cement Limited
Dalla Cement Works
 Monthly water report

Month- Apr-19

| Sr. | Borewell No. | Initial reading | Final reading | Factor | Difference (KL) |
|-----|-----------------------------|-----------------|---------------|--------------|-----------------|
| 1 | Chopan Intake (tubewell-01) | 6352 | 7346 | 100 | 99400 |
| 2 | Baggha Nalla (tubewell -02) | 11563 | 11563 | 1 | 0 |
| 3 | Baggha Nalla (tubewell -03) | 28653 | 28653 | 1 | 0 |
| 4 | Baggha Nalla (tubewell -04) | 35621 | 35621 | 1 | 0 |
| 5 | Baggha Nalla (tubewell -05) | 108612 | 108612 | 1 | 0 |
| | | | | Total | 99400 |

1 Plant consumption 72790
 2 Domestic Consumption 26610

Handwritten signature
 Engineer

Handwritten signature
 SH

Handwritten signature
 HOD

Ultra Tech Cement Limited
Dalla Cement Works
 Monthly water report

Month- Jan-19

| Sr. | Borewell No. | Initial reading | Final reading | Factor | Difference (KL) |
|-----|-----------------------------|-----------------|---------------|--------------|-----------------|
| 1 | Chopan Intake (tubewell-01) | 3696 | 4637 | 100 | 94100 |
| 2 | Baggha Nalla (tubewell -02) | 11563 | 11563 | 1 | 0 |
| 3 | Baggha Nalla (tubewell -03) | 28653 | 28653 | 1 | 0 |
| 4 | Baggha Nalla (tubewell -04) | 35621 | 35621 | 1 | 0 |
| 5 | Baggha Nalla (tubewell -05) | 108612 | 108612 | 1 | 0 |
| | | | | Total | 94100 |

1 Plant consumption 66978
 2 Domestic Consumption 27122

Handwritten signature
 Engineer

Handwritten signature
 SH

Handwritten signature
 HOD

Ultra Tech Cement Limited
Dalla Cement Works
 Monthly water report

Month- May-19

| Sr. | Borewell No. | Initial reading | Final reading | Factor | Difference (KL) |
|-----|-----------------------------|-----------------|---------------|--------------|-----------------|
| 1 | Chopan Intake (tubewell-01) | 7346 | 8410 | 100 | 106400 |
| 2 | Baggha Nalla (tubewell -02) | 11563 | 11563 | 1 | 0 |
| 3 | Baggha Nalla (tubewell -03) | 28653 | 28653 | 1 | 0 |
| 4 | Baggha Nalla (tubewell -04) | 35621 | 35621 | 1 | 0 |
| 5 | Baggha Nalla (tubewell -05) | 108612 | 108612 | 1 | 0 |
| | | | | Total | 106400 |

1 Plant consumption 78976
 2 Domestic Consumption 27424

Asad
 Engineer

Sh
 SH

Sh
 HOD

Ultra Tech Cement Limited
Dalla Cement Works
 Monthly water report

Month- Feb-19

| Sr. | Borewell No. | Initial reading | Final reading | Factor | Difference (KL) |
|-----|-----------------------------|-----------------|---------------|--------------|-----------------|
| 1 | Chopan Intake (tubewell-01) | 4637 | 5421 | 100 | 78400 |
| 2 | Baggha Nalla (tubewell -02) | 11563 | 11563 | 1 | 0 |
| 3 | Baggha Nalla (tubewell -03) | 28653 | 28653 | 1 | 0 |
| 4 | Baggha Nalla (tubewell -04) | 35621 | 35621 | 1 | 0 |
| 5 | Baggha Nalla (tubewell -05) | 108612 | 108612 | 1 | 0 |
| | | | | Total | 78400 |

1 Plant consumption 53710
 2 Domestic Consumption 24690

Asad
 Engineer

Sh
 SH

Sh
 HOD

Log book (CHOPAN INTAKE)

| Sr. | Date | Pump | Meter reading | | | Month- | Dec-19 |
|-----|------------|-------|---------------|---------------|-------|---------|---------------|
| | | | Running Hrs. | Initial | Final | Qty. KL | Operator Sign |
| 1 | 01-12-2019 | 9.4 | 242113 | 244212 | 2099 | | |
| 2 | 02-12-2019 | 11.3 | 244212 | 246530 | 2318 | | |
| 3 | 03-12-2019 | 10.35 | 246530 | 248669 | 2139 | | |
| 4 | 04-12-2019 | 9.2 | 248669 | 250727 | 2058 | | |
| 5 | 05-12-2019 | 8.1 | 250727 | 252557 | 1830 | | |
| 6 | 06-12-2019 | 10.4 | 252557 | 254697 | 2140 | | |
| 7 | 07-12-2019 | 8.05 | 254697 | 256432 | 1735 | | |
| 8 | 08-12-2019 | 11.55 | 256432 | 258739 | 2307 | | |
| 9 | 09-12-2019 | 8.4 | 258739 | 260603 | 1864 | | |
| 10 | 10-12-2019 | 9.2 | 260603 | 262566 | 1963 | | |
| 11 | 11-12-2019 | 8.25 | 262566 | 264350 | 1784 | | |
| 12 | 12-12-2019 | 11.3 | 264350 | 266664 | 2314 | | |
| 13 | 13-12-2019 | 9.55 | 266664 | 268612 | 1948 | | |
| 14 | 14-12-2019 | 9.01 | 268612 | 270502 | 1890 | | |
| 15 | 15-12-2019 | 9.45 | 270502 | 272616 | 2114 | | |
| 16 | 16-12-2019 | 8.15 | 272616 | 274446 | 1830 | | |
| 17 | 17-12-2019 | 8.1 | 274446 | 276115 | 1669 | | |
| 18 | 18-12-2019 | 10.5 | 276115 | 278275 | 2160 | | |
| 19 | 19-12-2019 | 10.0 | 278275 | 280300 | 2025 | | |
| 20 | 20-12-2019 | 8.5 | 280300 | 282123 | 1823 | | |
| 21 | 21-12-2019 | 9.5 | 282123 | 284248 | 2125 | | |
| 22 | 22-12-2019 | 7.45 | 284248 | 285933 | 1685 | | |
| 23 | 23-12-2019 | 10.55 | 285933 | 288243 | 2310 | | |
| 24 | 24-12-2019 | 10.25 | 288243 | 290473 | 2230 | | |
| 25 | 25-12-2019 | 9.2 | 290473 | 292323 | 1850 | | |
| 26 | 26-12-2019 | 8.45 | 292323 | 294301 | 1978 | | |
| 27 | 27-12-2019 | 9.55 | 294301 | 296406 | 2105 | | |
| 28 | 28-12-2019 | 8.5 | 296406 | 298336 | 1930 | | |
| 29 | 29-12-2019 | 11.05 | 298336 | 300609 | 2273 | | |
| 30 | 30-12-2019 | 8.05 | 300609 | 302354 | 1745 | | |
| 31 | 31-12-2019 | 11.05 | 302354 | 304678 | 2324 | | |
| | | | | Total | 62565 | | |


 (Engineer)

LOG BOOK (CHOPAIN INTAKE)

Month- Nov-19

| Date | Pump Running Hrs. | Meter reading | | | Operator Sign | Engineer Sign | Remark |
|------------|----------------------|---------------|--------|---------|---------------|---------------|--------|
| | | Initial | Final | Qty. KL | | | |
| 01 11 2019 | 5.00 | 187721 | 188721 | 1000 | | ASul | |
| 02 11 2019 | 9 | 188721 | 189940 | 1219 | | ASul | |
| 03 11 2019 | 10.1 | 189940 | 191740 | 1800 | | ASul | |
| 04 11 2019 | 10.05 | 191740 | 191940 | 200 | | ASul | |
| 05 11 2019 | 9.45 | 191940 | 193840 | 1900 | | ASul | |
| 06 11 2019 | 9.3 | 193840 | 195640 | 1800 | | ASul | |
| 07 11 2019 | 13 | 195640 | 198140 | 2500 | | ASul | |
| 08 11 2019 | 14.3 | 198140 | 200340 | 2200 | | ASul | |
| 09 11 2019 | 10.3 | 200340 | 202005 | 1665 | | ASul | |
| 10 11 2019 | 11.15 | 202005 | 203755 | 1750 | | ASul | |
| 11 11 2019 | 12.45 | 203755 | 205415 | 1660 | | ASul | |
| 12 11 2019 | 12.35 | 205415 | 207515 | 2100 | | ASul | |
| 13 11 2019 | 11.3 | 207515 | 209453 | 1938 | | ASul | |
| 14 11 2019 | 11.20 | 209453 | 210825 | 1372 | | ASul | |
| 15 11 2019 | 14.25 | 210825 | 212625 | 1800 | | ASul | |
| 16 11 2019 | 16.3 | 212625 | 214335 | 1710 | | ASul | |
| 17 11 2019 | 10.35 | 214335 | 217335 | 3000 | | ASul | |
| 18 11 2019 | 11.45 | 217335 | 219435 | 2100 | | ASul | |
| 19 11 2019 | 17.7 | 219435 | 221456 | 2021 | | ASul | |
| 20 11 2019 | 11 | 221456 | 224356 | 2900 | | ASul | |
| 21 11 2019 | 13.5 | 224356 | 225856 | 1500 | | ASul | |
| 22 11 2019 | 14.25 | 225856 | 227789 | 1933 | | ASul | |
| 23 11 2019 | 14.1 | 227789 | 229568 | 1779 | | ASul | |
| 24 11 2019 | 11 | 229568 | 240768 | 1200 | | ASul | |
| 25 11 2019 | 10 | 230768 | 231813 | 1045 | | ASul | |
| 26 11 2019 | 10.5 | 231813 | 234037 | 2224 | | ASul | |
| 27 11 2019 | 10.45 | 234037 | 236231 | 2194 | | ASul | |
| 28 11 2019 | 9.4 | 236231 | 238697 | 2466 | | ASul | |
| 29 11 2019 | 10.45 | 238697 | 240506 | 1809 | | ASul | |
| 30 11 2019 | 16 | 240506 | 242113 | 1607 | | ASul | |
| | | | TOTAL | 54392 | | ASul | |

Log book (CHOPAN INTAKE)

Month- Oct-19

| Sr. | Date | Pump | Meter reading | | | Operator Sign | Engineer Sign | Remark | |
|-----|------------|--------------|---------------|--------|---------|---------------|---------------|--------|------|
| | | Running Hrs. | Initial | Final | Qty. KL | | | | |
| 1 | 01 10 2019 | 7.15 | 123247 | 125010 | 1763 | | ASul | | |
| 2 | 02 10 2019 | 11.15 | 125010 | 126654 | 1644 | | ASul | | |
| 3 | 03 10 2019 | 12.1 | 126654 | 128899 | 2245 | | ASul | | |
| 4 | 04 10 2019 | 12.2 | 128899 | 131801 | 2902 | | ASul | | |
| 5 | 05 10 2019 | 10.00 | 131801 | 133862 | 2061 | | ASul | | |
| 6 | 06 10 2019 | 14.10 | 133862 | 135947 | 2085 | | ASul | | |
| 7 | 07 10 2019 | 8.00 | 135947 | 137047 | 1100 | | ASul | | |
| 8 | 08 10 2019 | 11.20 | 137047 | 138940 | 1893 | | ASul | | |
| 9 | 09 10 2019 | 12.15 | 138940 | 141358 | 2418 | | ASul | | |
| 10 | 10 10 2019 | 10.10 | 141358 | 142721 | 1363 | | ASul | | |
| 11 | 11 10 2019 | 9.55 | 142721 | 144790 | 2069 | | ASul | | |
| 12 | 12 10 2019 | 10.30 | 144790 | 146535 | 1745 | | | ASul | |
| 13 | 13 10 2019 | 10.40 | 146535 | 148875 | 2340 | | | | |
| 14 | 14 10 2019 | 13.20 | 148875 | 151246 | 2371 | | | | |
| 15 | 15 10 2019 | 11.55 | 151246 | 153073 | 1827 | | | | |
| 16 | 16 10 2019 | 12.45 | 153073 | 155268 | 2195 | | | | |
| 17 | 17 10 2019 | 10.35 | 155268 | 157470 | 2202 | | | | |
| 18 | 18 10 2019 | 8.55 | 157470 | 159127 | 1657 | | | | |
| 19 | 19 10 2019 | 13.30 | 159127 | 161735 | 2608 | | | | |
| 20 | 20 10 2019 | 17.15 | 161735 | 164759 | 3024 | | | | |
| 21 | 21 10 2019 | 14.40 | 164759 | 167634 | 2875 | | | | |
| 22 | 22 10 2019 | 6.50 | 167634 | 169134 | 1500 | | | | |
| 23 | 23 10 2019 | 13.15 | 169134 | 171843 | 2709 | | | | |
| 24 | 24 10 2019 | 13.50 | 171843 | 174261 | 2418 | | | | |
| 25 | 25 10 2019 | 15.50 | 174261 | 176535 | 2274 | | | | ASul |
| 26 | 26 10 2019 | 16.00 | 176535 | 180260 | 3725 | | ASul | | |
| 27 | 27 10 2019 | 16.30 | 180260 | 183299 | 3039 | | ASul | | |
| 28 | 28 10 2019 | 2.00 | 183299 | 183637 | 338 | | ASul | | |
| 29 | 29 10 2019 | 0.00 | 183637 | 183637 | 0 | | ASul | | |
| 30 | 30 10 2019 | 12.00 | 183637 | 184737 | 1100 | | ASul | | |
| 31 | 31 10 2019 | 11.50 | 184737 | 187721 | 2984 | ASul | | | |

TOTAL = 64474 KL ASul

Log book (CHOPAN INTAKE)

Month- Sep-19

| Sr. | Date | Pump Running Hrs. | Meter reading | | | Operator Sign | Engineer Sign | Remark |
|-----|------------|----------------------|---------------|--------|---------|---------------|---------------|--------|
| | | | Initial | Final | Qty. KL | | | |
| 1 | 01/09/2019 | 10.2 | 61627 | 63836 | 2209 | | A Surf | |
| 2 | 02/09/2019 | 11.1 | 63836 | 65765 | 1929 | | A Surf | |
| 3 | 03/09/2019 | 11.55 | 65765 | 68039 | 2274 | | A Surf | |
| 4 | 04/09/2019 | 10.3 | 68039 | 70077 | 2038 | | A Surf | |
| 5 | 05/09/2019 | 12.5 | 70077 | 72377 | 2300 | | A Surf | |
| 6 | 06/09/2019 | 11.05 | 72377 | 74262 | 1885 | | A Surf | |
| 7 | 07/09/2019 | 12.45 | 74262 | 76496 | 2234 | | A Surf | |
| 8 | 08/09/2019 | 10.1 | 76496 | 78403 | 1907 | | A Surf | |
| 9 | 09/09/2019 | 11.4 | 78403 | 80794 | 2391 | | A Surf | |
| 10 | 10/09/2019 | 8.2 | 80794 | 82122 | 1328 | | A Surf | |
| 11 | 11/09/2019 | 12.15 | 82122 | 84007 | 1885 | | A Surf | |
| 12 | 12/09/2019 | 8.55 | 84007 | 85750 | 1743 | | | |
| 13 | 13/09/2019 | 10.45 | 85750 | 87278 | 1528 | | | |
| 14 | 14/09/2019 | 11.3 | 87278 | 89666 | 2388 | | | |
| 15 | 15/09/2019 | 10.4 | 89666 | 92581 | 2915 | | | |
| 16 | 16/09/2019 | 12.1 | 92581 | 94990 | 2409 | | | |
| 17 | 17/09/2019 | 5.00 | 94990 | 96017 | 1027 | | | |
| 18 | 18/09/2019 | 15.00 | 96017 | 99917 | 3900 | | | |
| 19 | 19/09/2019 | 9.45 | 99917 | 101520 | 1603 | | | |
| 20 | 20/09/2019 | 11.1 | 101520 | 104014 | 2494 | | | |
| 21 | 21/09/2019 | 10.3 | 104014 | 105944 | 1930 | | | |
| 22 | 22/09/2019 | 9.55 | 105944 | 107974 | 2030 | | | |
| 23 | 23/09/2019 | 10.5 | 107974 | 109970 | 1996 | | | |
| 24 | 24/09/2019 | 9.4 | 109970 | 111645 | 1675 | | A Surf | |
| 25 | 25/09/2019 | 12.1 | 111645 | 113762 | 2117 | | A Surf | |
| 26 | 26/09/2019 | 10.2 | 113762 | 115634 | 1872 | | A Surf | |
| 27 | 27/09/2019 | 9.35 | 115634 | 117177 | 1543 | | A Surf | |
| 28 | 28/09/2019 | 9.4 | 117177 | 118894 | 1717 | | A Surf | |
| 29 | 29/09/2019 | 8.5 | 118894 | 120027 | 1133 | | A Surf | |
| 30 | 30/09/2019 | 11.3 | 120027 | 123247 | 3220 | | A Surf | |
| | | | | TOTAL | 61620 | | A Surf | |

Log book (CHOPAN INTAKE)

Month- Aug-19

| Sr. | Date | Pump | Meter reading | | | | Operator Sign | Engineer Sign |
|-----|------------|--------------|---------------|-------|--------|---------|---------------|---------------|
| | | Running Hrs. | Initial | Final | Factor | Qty. KL | | |
| 1 | 01-08-2019 | 12.3 | 10405 | 10440 | 100 | 3500 | | |
| 2 | 02-08-2019 | 11.00 | 10440 | 10474 | 100 | 3400 | | |
| 3 | 03-08-2019 | 13.6 | 10474 | 10510 | 100 | 3600 | | |
| 4 | 04-08-2019 | 15.00 | 10510 | 10574 | 100 | 6400 | | |
| 5 | 05-08-2019 | 12.4 | 10574 | 10583 | 100 | 900 | | |
| 6 | 06-08-2019 | 14.00 | 10583 | 10621 | 100 | 3800 | | |
| 7 | 07-08-2019 | 16.00 | 10621 | 10660 | 100 | 3900 | | |
| 8 | 08-08-2019 | 10.35 | 10660 | 10695 | 100 | 3500 | | |
| 9 | 09-08-2019 | 13.00 | 10695 | 1876 | | 1876 | | |
| 10 | 10-08-2019 | 9.45 | 1876 | 2114 | | 238 | | |
| 11 | 11-08-2019 | 11.15 | 2114 | 2509 | | 395 | | |
| 12 | 12-08-2019 | 12.00 | 2509 | 2833 | | 324 | | |
| 13 | 13-08-2019 | 11.5 | 2833 | 4591 | | 1758 | | |
| 14 | 14-08-2019 | 6.3 | 4591 | 5477 | | 886 | | |
| 15 | 15-08-2019 | 15.3 | 5477 | 8883 | | 3406 | | |
| 16 | 16-08-2019 | 13.4 | 8883 | 11734 | | 2851 | | |
| 17 | 17-08-2019 | 14.00 | 11734 | 14821 | | 3087 | | |
| 18 | 18-08-2019 | 15.00 | 14821 | 17467 | | 2646 | | |
| 19 | 19-08-2019 | 13.35 | 17467 | 22001 | | 4534 | | |
| 20 | 20-08-2019 | 13.1 | 22001 | 27535 | | 5534 | | |
| 21 | 21-08-2019 | 11.5 | 27535 | 31923 | | 4388 | | |
| 22 | 22-08-2019 | 12 | 31923 | 36881 | | 4958 | | |
| 23 | 23-08-2019 | 13.3 | 36881 | 42207 | | 5326 | | |
| 24 | 24-08-2019 | 11.3 | 42207 | 47291 | | 5084 | | |
| 25 | 25-08-2019 | 12.5 | 47291 | 49281 | | 1990 | | |
| 26 | 26-08-2019 | 11.3 | 49281 | 51220 | | 1939 | | |
| 27 | 27-08-2019 | 10.4 | 51220 | 53666 | | 2446 | | |
| 28 | 28-08-2019 | 12.3 | 53666 | 56004 | | 2338 | | |
| 29 | 29-08-2019 | 12.35 | 56004 | 57932 | | 1928 | | |
| 30 | 30-08-2019 | 9.35 | 57932 | 60017 | | 2085 | | |
| 31 | 31-08-2019 | 12.55 | 60017 | 61627 | | 1610 | | |

TOTAL = 90697 KL ✓ ✓ ✓

Log book (CHOPAN INTAKE)

Month- Jul-19

| Sr. | Date | Pump | Meter reading | | | | Operator Sign | Engineer Sign |
|-----|------------|--------------|---------------|-------|--------------|--------------|---------------|---------------|
| | | Running Hrs. | Initial | Final | factor | Qty. KL | | |
| 1 | 01-07-2019 | 15.25 | 9514 | 9543 | 100 | 2900 | | |
| 2 | 02-07-2019 | 10.1 | 9543 | 9571 | 100 | 2800 | | |
| 3 | 03-07-2019 | 15.00 | 9571 | 9601 | 100 | 3000 | | |
| 4 | 04-07-2019 | 11.25 | 9601 | 9628 | 100 | 2700 | | |
| 5 | 05-07-2019 | 6.3 | 9628 | 9644 | 100 | 1600 | | |
| 6 | 06-07-2019 | 10.5 | 9644 | 9670 | 100 | 2600 | | |
| 7 | 07-07-2019 | 16.10 | 9670 | 9698 | 100 | 2800 | | |
| 8 | 08-07-2019 | 14.00 | 9698 | 9727 | 100 | 2900 | | |
| 9 | 09-07-2019 | 13.00 | 9727 | 9754 | 100 | 2700 | | |
| 10 | 10-07-2019 | 8.55 | 9754 | 9782 | 100 | 2800 | | |
| 11 | 11-07-2019 | 12.25 | 9782 | 9815 | 100 | 3300 | | |
| 12 | 12-07-2019 | 12.00 | 9815 | 9835 | 100 | 2000 | | |
| 13 | 13-07-2019 | 10.2 | 9835 | 9865 | 100 | 3000 | | |
| 14 | 14-07-2019 | 10.1 | 9865 | 9890 | 100 | 2500 | | |
| 15 | 15-07-2019 | 11.45 | 9890 | 9916 | 100 | 2600 | | |
| 16 | 16-07-2019 | 12.00 | 9916 | 9945 | 100 | 2900 | | |
| 17 | 17-07-2019 | 10.40 | 9945 | 9976 | 100 | 3100 | | |
| 18 | 18-07-2019 | 9.55 | 9976 | 10006 | 100 | 3000 | | |
| 19 | 19-07-2019 | 13.4 | 10006 | 10038 | 100 | 3200 | | |
| 20 | 20-07-2019 | 12.3 | 10038 | 10069 | 100 | 3100 | | |
| 21 | 21-07-2019 | 12.00 | 10069 | 10099 | 100 | 3000 | | |
| 22 | 22-07-2019 | 11.2 | 10099 | 10120 | 100 | 2100 | | |
| 23 | 23-07-2019 | 10.00 | 10120 | 10156 | 100 | 3600 | | |
| 24 | 24-07-2019 | 10.05 | 10156 | 10186 | 100 | 3000 | | |
| 25 | 25-07-2019 | 14.0 | 10186 | 10218 | 100 | 3200 | | |
| 26 | 26-07-2019 | 8.45 | 10218 | 10248 | 100 | 3000 | | |
| 27 | 27-07-2019 | 12.0 | 10248 | 10279 | 100 | 3100 | | |
| 28 | 28-07-2019 | 12.0 | 10279 | 10310 | 100 | 3100 | | |
| 29 | 29-07-2019 | 12.00 | 10310 | 10342 | 100 | 3200 | | |
| 30 | 30-07-2019 | 16.00 | 10342 | 10376 | 100 | 3400 | | |
| 31 | 31.07.2019 | 13.5 | 10376 | 10405 | 100 | 2900 | | |
| | | | | | Total | 89100 | | |

Ball