Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	IA/OR/IND/217083/2021
Compliance ID	1229199556
Compliance Number(For Tracking)	EC/M/COMPLIANCE/1229199556/2026
Reporting Year	2026
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	27-05-2026
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	ODISHA
RO/SRO Office Address	Integrated Regional Offices, Bhubaneswar
Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, ODISHA with Notification to Project Proponent.	

Dalmia cement
FUTURE TODAY

cement! sugar! refractories! power!

DCBL/MOEFCC/001/2026-27/026
May 26, 2026.

To,
Deputy Director General of Forests (C),
Ministry of Environment, Forest & Climate Change
Integrated Regional Office (EZ),
A/3, Chandrasekharpur,
Bhubaneswar – 751 023.

Sub: **Submission of six-monthly compliance report of the Environmental clearance for M/s Dalmia Cement Bharat Limited (Line 1 & 2), At/Po. – Rajgangpur, Dist.- Sundargarh, Odisha for the period October 2025 to March 2026.**

Ref: Environment Clearance vide File No. J-11011/352/2005- IA II (I) dated 05.04.2007.

Dear Sir,

With reference to above captioned subject matter, we are submitting herewith the six-monthly compliance report of the conditions laid down in above Environmental clearance for M/s Dalmia Cement Bharat Limited (Line 1 & 2), At/Po. – Rajgangpur, Dist. – Sundargarh, Odisha for the period October 2025 to March 2026.

Thanking you,

Yours sincerely,
For **Dalmia Cement Bharat Limited,**

Pankaj Kumar
Head – Environment

Encl: As above.

CC: 1. The Director, Impact Assessment Division, MoEF&CC, New Delhi.
2. The Member Secretary, CPCB, New Delhi.
3. The Member Secretary, OSPCB, Bhubaneswar, Odisha.

Half Yearly Compliance Report
2026
01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Expansion of Clinker Production (1.20 to 2.90 MTPA) and Cement Plant (2.00 to 4.00 MTPA) at Rajgangpur, Sundargarh, Odisha by M/s Dalmia Cement Bharat Limited
Name of Entity / Corporate Office	Dalmia Cement (Bharat) Limited
Village(s)	N/A
District	SUNDARGARH

Proposal No.	IA/OR/IND/217083/2021
Plot / Survey / Khasra No.	N/A
State	ODISHA
MoEF File No.	J-11011/352/2005-IA.II(I)

Category	Industrial Projects - 2
Sub-District	N/A
Entity's PAN	*****9414C
Entity name as per PAN	DALMIA CEMENT (BHARAT) LIMITED

Compliance Reporting Details

Reporting Year 2026

Remarks (if any)

Reporting Period 01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Dalmia Cement (Bharat) Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	91.95	91.95
Forest	0	0
Others	N/A	N/A
Total	91.95	91.95

Others Area

Sr. no	Other Name	Area Granted	Area Actual

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Clinker	Tons per Annum (TPA)	31/03/2028	2900000	2537372	3300000
2	Cement	Tons per Annum (TPA)	31/03/2028	4000000	2979607	4300000
3	WHRB	MW	31/03/2028	11	59703	11

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	1. The gaseous and particulate matter emissions from various units shall confirm to the standards prescribed by the Orissa State Pollution Control Board (OSPCB). At no time the particulate emissions shall exceed OSPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit is shut down automatically.

PPs Submission: Being Complied Being complied with. The gaseous and particulate matter emissions from various units are well within the prescribed limits. PCEs are provided with automated interlocking facilities. The monitored results of emissions are attached.	Date: 26/05/2026

2	AIR QUALITY MONITORING AND PRESERVATION	2. Continuous on-line monitoring system to monitor gaseous emission shall be controlled with in 50 mg/Nm3 by installing adequate air pollution control system. On-line monitoring data shall be submitted to the OSPCB and CPCB regularly.

PPs Submission: Complied Complied. CEMS have been installed to monitor the gaseous emissions and connected to the Board server and data being transmitted uninterruptedly.	Date: 26/05/2026

3	AIR QUALITY MONITORING AND PRESERVATION	3. Ambient Air Quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emission shall be carried out regularly in consultation with OSPCB and report submitted to the OSPCB quarterly and to the ministry's Regional office at Bhubaneswar half -yearly. One ambient air quality monitoring station shall be installed in downwind direction.

PPs Submission: Complied Complied. The Ambient Air Quality as well as noise levels monitored are well within the prescribed limit and reports are submitted to the statutory body on a regular basis. The ambient AAQ station has been installed in downwind direction.	Date: 26/05/2026

4	AIR QUALITY MONITORING AND PRESERVATION	4. The company shall install adequate dust collection and extraction system to control fugitive dust emission at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. ESP to Cooler, cyclone & bag filter to kiln, CVRM and bag filters shall be provided in the coal mill and cement mills to control air emissions less than 50 mg/ Nm3. Jet pulse bag filters/ dust extraction system shall be

		provided to control fugitive emissions in raw material, coal handling & cement grinding areas. Dust suppression system at unloading hoppers, discharge gate of silos and totally closed operations for all belt conveyors & storage etc. shall be used. Raw materials shall store in closed roof sheds & clinker in silos.

PPs Submission: Complied Complied. Air pollution control measures and systems are adopted: a. Bag filters have been installed at various transfer points such as loading/ unloading areas. Raw materials are transported through closed conveyor belts. b. CVRMs are equipped with bag filters to control fugitive dust emissions. c. Road sweeping machines have been deployed for regular cleaning of roads. Internal roads are concreted, and truck mounted mist cannon has been deployed to control fugitive emissions. d. Clinker is stored in clinker silo and transported in rakes through hatch adopter system. e. Mist Cannon for dust suppressions have been provided at raw material handling areas.	Date: 26/05/2026

5	AIR QUALITY MONITORING AND PRESERVATION	5. Asphalting/concerning of roads and water spray all around the coal stockpiles shall be carried out to control fugitive emissions.

PPs Submission: Complied Complied. Roads are mostly concreted and water fogging through mist cannon is done on the coal stockpiles to control fugitive dust on a regular basis.	Date: 26/05/2026

6	WATER QUALITY MONITORING AND PRESERVATION	6. Total water requirement from the Nakti nala and ground water source shall not exceed 5,788 m3/d including 785 m3/d respectively and prior permission for the drawl of ground water from the State water resources/Minor irrigation Deptt./CGWA shall be obtained. All the treated waste water shall be recycled and reused in the process, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic effluent treated in Sewage Treatment Plant (STP) shall be used for green belt development within the plant and colony area

PPs Submission: Complied Complied. A. The total water consumption does not exceed the permitted quantity. B. No ground water is used for industrial purposes. C. Wastewater generated is recycled and reused for dust suppression, green belt development and wheel washing system. D. Domestic waste water is treated in STP and the treated sewage is utilized for green belt development.	Date: 26/05/2026

7	WASTE MANAGEMENT	7. All the cement dust collected from pollution control devices shall be recycled and reutilized in the process. Char from sponge iron plant of M/s. OCL shall be used as raw material in manufacturing cement and mixed with feed. Hazardous waste viz. Used oil from gear boxes and automotive batteries, etc shall be properly stored in a designated area and sold to authorized recyclers/ re processors.

PPs Submission: Being Complied Being complied with. a.) Dust collected from pollution control devices is re-utilized back in the process. b.) Char is used as raw material based on availability. c.) Used oil and batteries are stored at designated places before being disposed off to authorized EPR registered recyclers/re-processors.	Date: 26/05/2026

8	WATER QUALITY MONITORING AND PRESERVATION	8. The company must harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.

PPs Submission: Complied Complied. Rainwater harvesting has been adopted at site. The storm water is channelized to the rain water harvesting pond.	Date: 26/05/2026

9	GREENBELT	9. Green belt shall be developed in at least 28.0 ha out of total 91.15 ha land in consultation with the local DFO as per the CPCB guidelines.

PPs Submission: Complied Complied. Green cover has been developed in and around the plant premises in consultation with the local DFO.	Date: 26/05/2026

10	Corporate Environmental Responsibility	10. The company shall undertake eco- development measures including community welfare measures in the project area.

PPs Submission: Being Complied Being complied with. We are continuously engaging with the local community and surrounding villages through our CSR foundation for community development programs.	Date: 26/05/2026

11	Corporate Environmental Responsibility	11. All the recommendation mentioned in the Charter on the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.

PPs Submission: Complied Complied. All the CREP recommendations as per the Charter are being strictly adhered to.	Date: 26/05/2026

12	WASTE MANAGEMENT	12. High calorific hazardous waste shall be used as fuel in the cement kiln. Accordingly, provision to be made in the kiln.

PPs Submission: Complied Complied. Provision has been made and is being Utilised in our cement kiln as alternate fuel.	Date: 26/05/2026

13	Statutory compliance	13. Prior permission from the State Forest Department shall be obtained regarding likely impact of proposed expansion on the reserve forest viz. Gudiali RF (3km), Tunmura RF (6.5 km) Chudia RF (6.5 km) and Hathidhara R.F. (4 km) and recommendations/ suggestion, if any shall be implemented in a time bound manner.

PPs Submission: Complied Complied. No such impact is envisaged as all transportation is being done through closed circuit conveyor belts from our captive mines to cement plant. Maximum transportation is being done through railway rakes.	Date: 26/05/2026

General Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	1. The project authority must adhere to the stipulation made by Orissa State Pollution Control Board and State Government.

PPs Submission: Complied Noted and being followed.	Date: 26/05/2026

2	MISCELLANEOUS	2. No expansion or modification of the plant should be carried out without prior approval of this Ministry.

PPs Submission: Complied Noted and approval from the Ministry will be obtained prior to expansion or modification of the plant.	Date: 26/05/2026

3	AIR QUALITY	3. Adequate number of ambient air quality- monitoring stations

	MONITORING AND PRESERVATION	shall be established in the downward direction as well as where maximum ground level concentration of SO2 and NOX are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including Regional Office at Bhubaneswar and OSPCB once in six months.

PPs Submission: Complied Complied. Ambient air quality monitoring stations have been installed covering upwind and downwind directions in consultation with OSPCB and monitored data on ambient air quality and stack emission is submitted to OSPCB monthly and Regional Office of Ministry every six months. The last report was submitted on 24.10.2025.	Date: 26/05/2026

4	WATER QUALITY MONITORING AND PRESERVATION	4. Industrial wastewater shall be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. The treated waste water shall be recycled in the plant as well as utilization for plantation purposes.

PPs Submission: Being Complied Being complied with. Industrial wastewater is being treated and recycled within the plant.	Date: 26/05/2026

5	WASTE MANAGEMENT	5. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the OSPCB must be obtained for collection, storage, treatment and disposal of hazardous wastes.

PPs Submission: Complied Complied. Hazardous Wastes are being handled, stored, transported and disposed off as per HOWM Rules, 2016 and amendments thereof. Authorization from OSPCB has been obtained and is valid till 31.03.2028.	Date: 26/05/2026

6	Noise Monitoring & Prevention	6. The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under EPA Rules, 1986 viz. 75 dBA (day time) and 70 dBA (night time).

PPs Submission: Complied Complied. Acoustic hoods, silencers and enclosures have been provided. Ambient noise level is within the prescribed standards. Noise monitoring report attached.	Date: 26/05/2026

7	MISCELLANEOUS	7. The project proponent shall comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment / Environmental management Plan.

PPs Submission: Complied Complied. All the environmental protection measures and safeguards recommended in EIA/EMP are being complied with.	Date: 26/05/2026

8	MISCELLANEOUS	8. As proposed in EIA / EMP, Rs.31.82 Crores and Rs.2.64 Crores earmarked toward the capital cost and recurring the expenditure / annum for environmental protection measures shall be used judiciously to implement the conditions as well as Ministry of Environment and forests as well as the State Government. The funds so provided shall not be diverted for any other purposes.

PPs Submission: Complied Complied. The funds earmarked for environmental protection have been utilized for implementation of protection measures and have not been diverted for any other purpose.		Date: 26/05/2026
9	MISCELLANEOUS	9. The Regional Office of this Ministry at Bhubaneswar / Central Pollution Control Board / OSPCB shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly
PPs Submission: Complied Complied. The six-monthly compliance reports including the monitored data are submitted to the statutory bodies periodically. The last report was submitted on 24.10.2025.		Date: 26/05/2026
10	Statutory compliance	10. The project authorities should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the state pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in This shall be advertised within seven days from the date of issues of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.
PPs Submission: Complied Complied The grant of Environmental Clearance has been published in two local newspapers i.e. The Samaj (Odia) and The New Indian Express (English) dated 11.04.2007		Date: 26/05/2026
11	MISCELLANEOUS	11. The project Authorities shall inform the Regional Office as well as The Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
PPs Submission: Complied Complied.		Date: 26/05/2026

Visit Remarks

Last Site Visit Report Date:	N/A
Additional Remarks:	The detailed environment monitoring report for the period October 2025 to March 2026 is attached as additional attachment.

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

ENVIRONMENTAL MONITORING REPORT

BASED ON DATA GENERATED

FROM

OCTOBER 2025 – MARCH 2026

FOR

DALMIA CEMENT BHARAT LIMITED

At/Po: RAJGANGPUR – 770017, District: SUNDARGARH, ODISHA

Prepared By:

Cleenviron Private Limited

PLOT NO: 689/17, INDUSTRIAL ESTATE, KALUNGA – 770031, ROURKELA, ODISHA

Tele: 0661 – 2475746

Email:cleenviron@gmail.com

1. DATA ANALYSIS

1.1 Micro-meteorological Study:

1.1.1 Wind Speed & Wind Direction

During the entire period from 1st October 2025 to 31st March 2026 all total 4371 no. of data are recorded by the instrument and after interpretation of the collected data it was found that Calm condition prevailed over 11.26%, while considering the 24 hourly data. 13.25% calm condition prevailed from morning 6 hrs to 14hrs for the entire study period, 7.81% calm condition prevailed from 14hrs to 22hrs and 12.57% calm condition prevailed from 22hrs to 06hrs. The predominant wind directions were from South with average wind speed 2.44 m/sec. The wind rose diagram for the entire study period are depicted on the **Figure No: 1.1, 1.2, 1.3 & 1.4.**

1.1.2 Temperature

The maximum & minimum temperature during the entire study period were divided in to three parts as the study period was covering post monsoon, winter and early summer seasons. The Minimum temperature up to November was found to be 10.34°C and the Maximum temperature was found to be 34.71°C.

The minimum and maximum temperature during the winter and early summer season i.e. from December to February was found to be 5.85°C and 35.30°C & 15.82°C and 39.84°C in March. **Table No 1** shows a summary of micro-meteorological data collected for the entire period.

1.1.3 Rainfall

The total rain fall from 1st October 2025 to 31st March 2026 was observed to be 138.4 mm. during the study period. A month wise rainfall data recorded at the site is depicted in **Table No 1.**

Table No: 1

A SUMMARY OF THE MICRO-METEOROLOGICAL DATA

Project Site : DALMIA CEMENT BHARAT LIMITED & DSP UNIT, RAJGANGPUR
Location : ROOF TOP OF CCR BUILDING DSP UNIT

Sl No	Parameters	From October 2025 – March 2026
1	Predominant Wind Direction	From South
2	Calm Condition %	11.26%
3	Average Wind Speed m/sec	2.44
4	Temperature °C	
	Post Monsoon Season	
	Minimum	10.34
	Maximum	34.71
	Winter Season	
	Minimum	5.85
	Maximum	35.30
	Early Summer Season	
	Minimum	15.82
	Maximum	39.84
5	**Rain Fall in mm**	
	October	39.8
	Movember	0.6
	December	0.0
	January	0.0
	February	0.0
	March	98.0
	Total	**138.4**

Figure No: 1.1 Wind Rose Diagram for 24 Hours

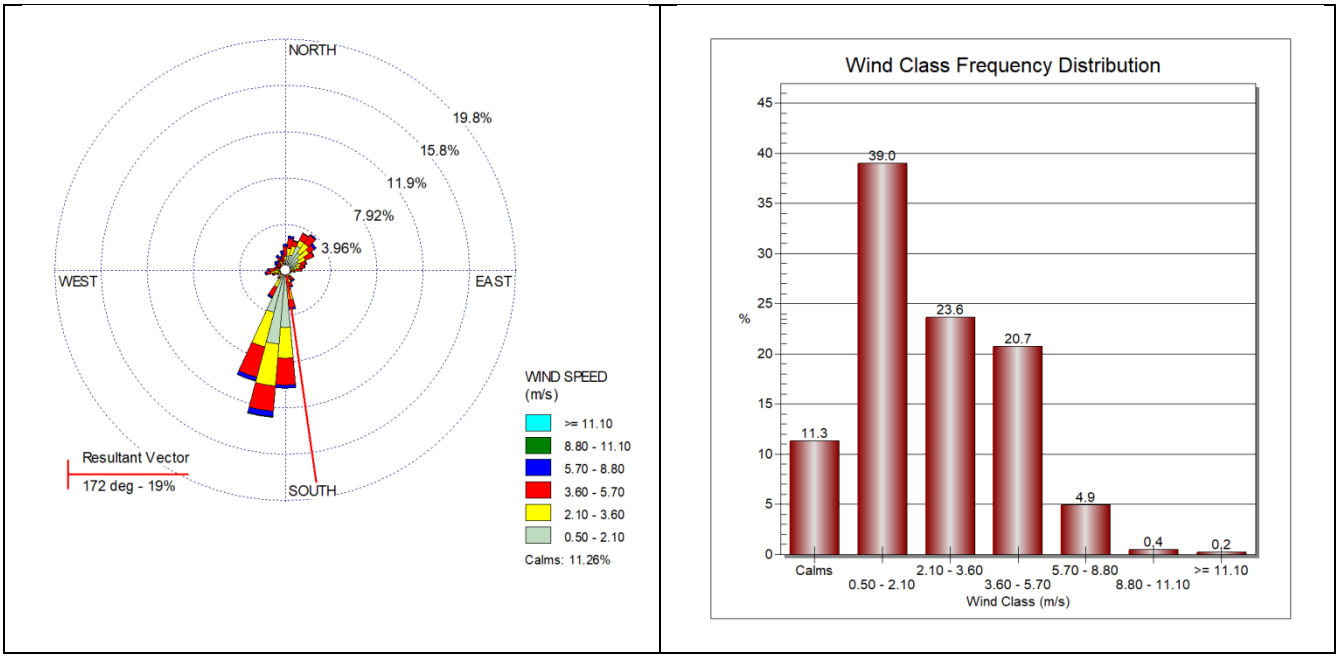

Figure No: 1.2 Wind Rose Diagram from 06 – 14 Hours

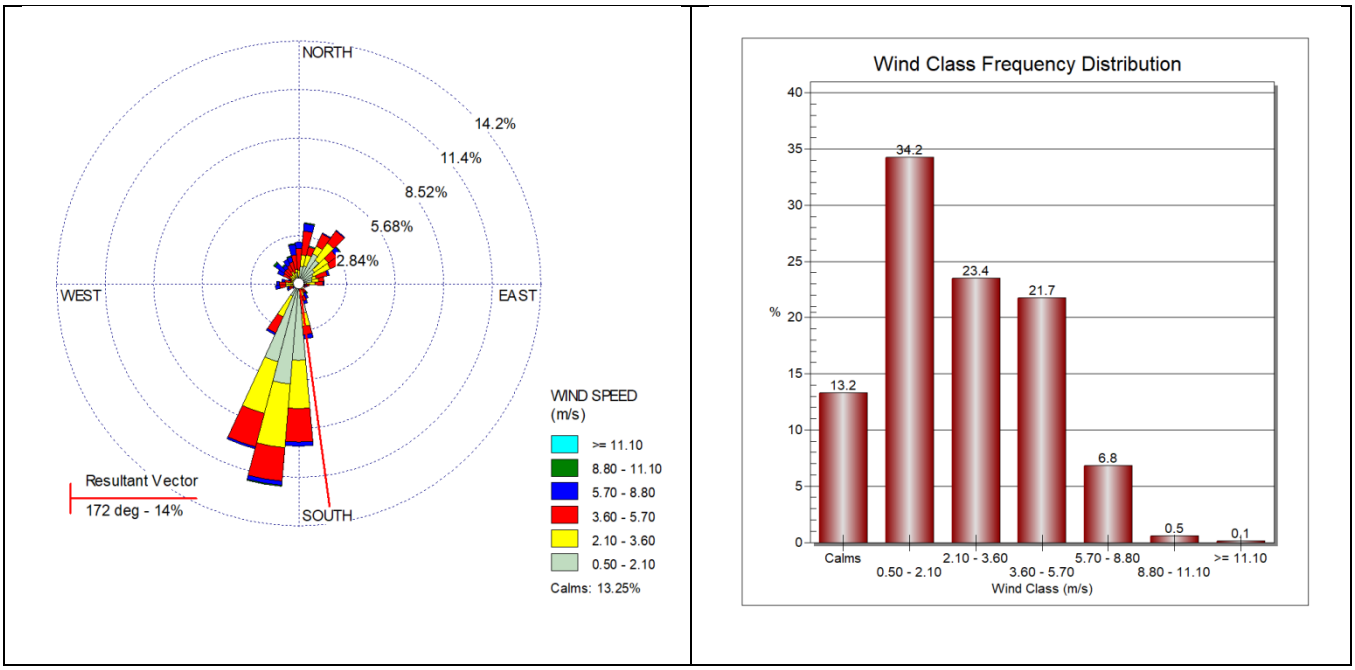

Figure No: 1.3 **Wind Rose Diagram from 14 – 22 Hours**

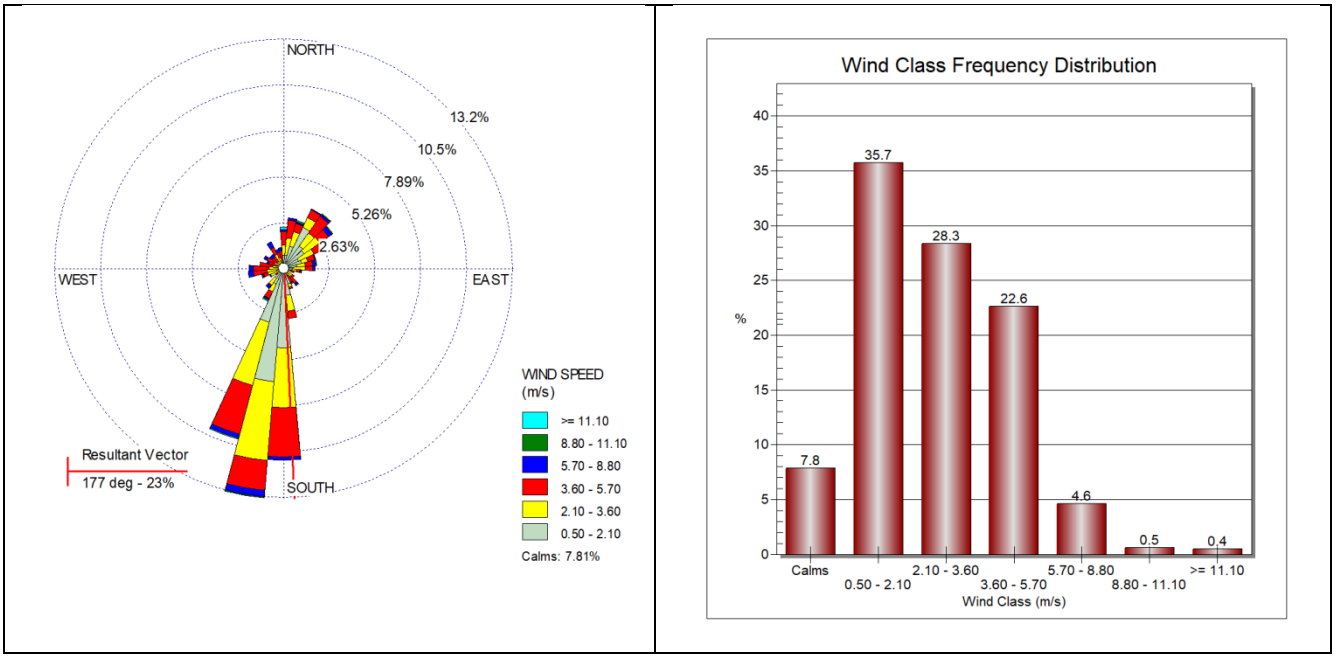

Figure No: 1.4 **Wind Rose Diagram from 22 – 06 Hours**

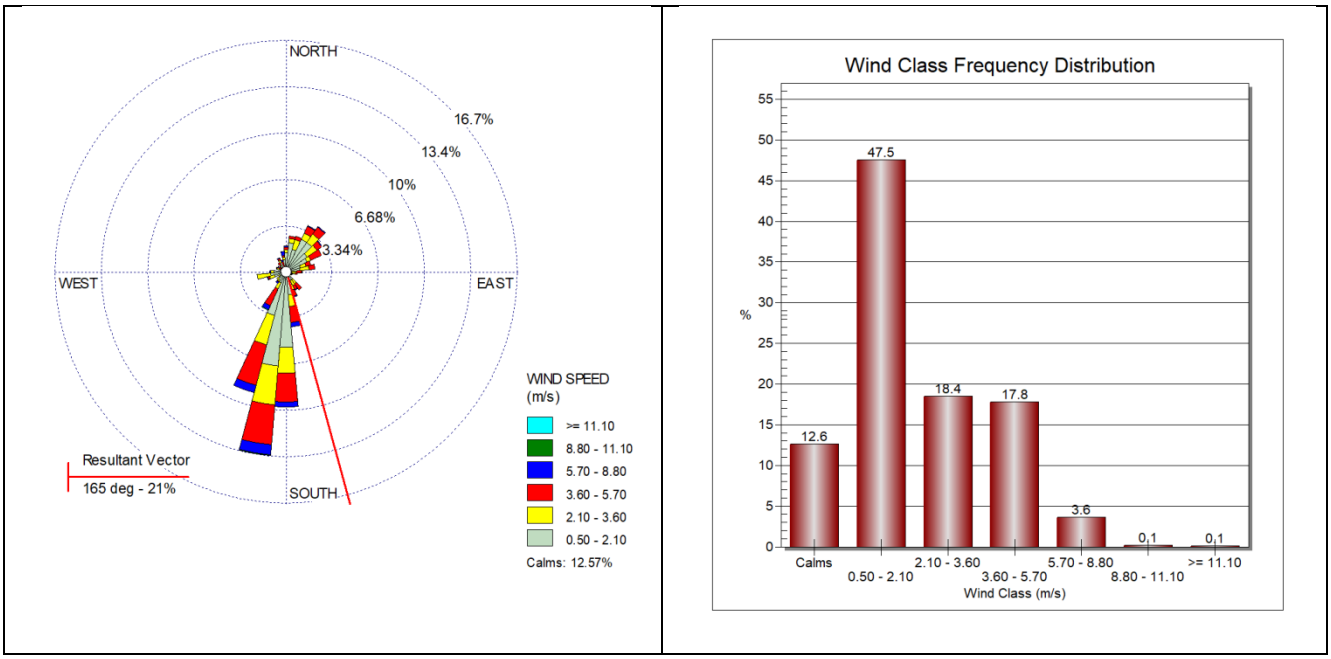

Table No: 2

AMBIENT AIR QUALITY DATA

From 01.10.2025 to 31.03.2026

Station: A-1 (Konark Vihar Area)

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October	18	49	3	15	< 0.1
	19	52	4	18	< 0.1
	18	50	3	16	< 0.1
	23	67	5	22	< 0.1
	25	78	6	24	< 0.1
	31	87	7	24	< 0.1
	29	80	5	23	< 0.1
	22	58	4	19	< 0.1
November	20	63	6	19	< 0.1
	18	55	4	17	< 0.1
	27	77	6	24	< 0.1
	26	74	5	22	< 0.1
	28	79	5	23	< 0.1
	25	72	4	20	< 0.1
	23	70	4	19	< 0.1
	22	66	4	18	< 0.1
	24	71	4	21	< 0.1
December	27	75	5	21	< 0.1
	28	78	6	23	< 0.1
	25	74	4	20	< 0.1
	26	72	4	18	< 0.1
	27	79	5	22	< 0.1
	29	77	7	25	< 0.1
	24	76	4	19	< 0.1
	23	71	3	17	< 0.1
January	28	77	5	22	< 0.1
	29	79	6	24	< 0.1
	26	74	4	20	< 0.1
	30	80	6	23	< 0.1
	25	78	5	19	< 0.1
	26	76	4	21	< 0.1
	22	72	3	17	< 0.1
	27	75	5	22	< 0.1
	24	66	4	18	< 0.1
February	33	82	5	19	< 0.1
	39	88	6	26	< 0.1
	31	85	5	28	< 0.1
	32	80	7	23	< 0.1
	38	86	8	27	< 0.1
	35	84	6	25	< 0.1
	34	83	7	23	< 0.1
	36	87	6	26	< 0.1
	39	88	7	28	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
March	37	85	6	24	< 0.1
	36	90	8	26	< 0.1
	40	93	9	27	< 0.1
	35	90	7	24	< 0.1
	37	92	8	25	< 0.1
	34	86	7	26	< 0.1
	36	88	6	28	< 0.1
	38	96	5	30	< 0.1

Table No: 3

AMBIENT AIR QUALITY DATA

From 01.10.2025 to 31.03.2026

Station: A-2 (General Store Area, Line – 1)

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October	20	54	4	20	< 0.1
	21	57	4	19	< 0.1
	22	61	5	20	< 0.1
	25	72	6	24	< 0.1
	23	69	4	18	< 0.1
	30	82	8	23	< 0.1
	28	79	5	22	< 0.1
	27	73	5	21	< 0.1
November	25	76	5	21	< 0.1
	19	60	6	15	< 0.1
	30	80	6	25	< 0.1
	28	78	5	23	< 0.1
	27	76	4	19	< 0.1
	31	82	7	26	< 0.1
	24	74	5	21	< 0.1
	23	71	4	20	< 0.1
	26	75	6	24	< 0.1
December	25	72	4	20	< 0.1
	28	76	5	23	< 0.1
	32	80	6	25	< 0.1
	27	78	5	21	< 0.1
	33	82	6	23	< 0.1
	30	79	4	22	< 0.1
	24	75	5	20	< 0.1
	31	83	7	24	< 0.1
January	31	80	6	24	< 0.1
	33	82	5	23	< 0.1
	35	85	6	25	< 0.1
	27	78	4	19	< 0.1
	29	79	5	21	< 0.1
	25	75	4	20	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	28	77	5	22	< 0.1
	32	81	7	26	< 0.1
	26	76	4	18	< 0.1
February	35	83	6	25	< 0.1
	37	86	7	26	< 0.1
	33	84	6	23	< 0.1
	38	88	5	24	< 0.1
	34	87	4	22	< 0.1
	32	81	5	21	< 0.1
	31	80	4	20	< 0.1
	36	82	5	26	< 0.1
	36	86	7	26	< 0.1
March	35	84	5	23	< 0.1
	41	93	7	26	< 0.1
	37	92	7	28	< 0.1
	32	86	5	25	< 0.1
	34	88	6	24	< 0.1
	35	89	7	27	< 0.1
	36	90	5	26	< 0.1
	34	87	6	25	< 0.1

Table No: 4

AMBIENT AIR QUALITY DATA

From 01.10.2025 to 31.03.2026

Station: A-3 (Material Gate, DSP Unit)

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October	19	52	4	18	< 0.1
	17	49	3	15	< 0.1
	24	74	5	22	< 0.1
	30	83	7	25	< 0.1
	29	80	5	23	< 0.1
	27	78	4	20	< 0.1
	31	81	6	24	< 0.1
	28	79	6	22	< 0.1
November	21	62	6	20	< 0.1
	19	64	7	21	< 0.1
	27	76	5	22	< 0.1
	25	72	4	19	< 0.1
	24	70	4	20	< 0.1
	28	77	6	23	< 0.1
	30	80	7	24	< 0.1
	26	75	5	21	< 0.1
	23	73	4	17	< 0.1
December	25	71	4	19	< 0.1
	30	79	6	25	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	24	74	3	18	< 0.1
	27	76	5	23	< 0.1
	29	78	4	22	< 0.1
	31	80	6	24	< 0.1
	32	82	7	25	< 0.1
	26	77	5	21	< 0.1
January	33	83	7	25	< 0.1
	30	79	5	21	< 0.1
	32	84	6	24	< 0.1
	27	77	4	20	< 0.1
	26	75	4	22	< 0.1
	24	78	5	23	< 0.1
	31	80	6	25	< 0.1
	26	76	4	19	< 0.1
	28	74	5	20	< 0.1
February	32	80	5	23	< 0.1
	36	85	7	27	< 0.1
	34	83	6	25	< 0.1
	35	84	4	22	< 0.1
	33	82	5	24	< 0.1
	37	86	6	28	< 0.1
	31	81	5	26	< 0.1
	38	87	7	29	< 0.1
March	34	83	6	25	< 0.1
	35	85	5	22	< 0.1
	41	94	7	25	< 0.1
	43	96	8	26	< 0.1
	35	88	6	26	< 0.1
	33	85	5	27	< 0.1
	37	90	7	26	< 0.1
	38	91	7	24	< 0.1
	40	90	13	22	< 0.1

Table No: 5

AMBIENT AIR QUALITY DATA

From 01.10.2025 to 31.03.2026

Station: A-4 (Near Refractory Main Gate)

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October	27	79	5	20	< 0.1
	28	82	6	23	< 0.1
	29	85	5	21	< 0.1
	26	76	4	19	< 0.1
	30	80	6	22	< 0.1
	31	82	5	23	< 0.1
	32	84	6	25	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	25	78	4	21	< 0.1
November	25	76	6	23	< 0.1
	18	55	6	18	< 0.1
	26	74	5	21	< 0.1
	31	82	7	24	< 0.1
	28	79	6	23	< 0.1
	32	83	6	25	< 0.1
	30	80	7	26	< 0.1
	25	77	5	22	< 0.1
	24	75	4	20	< 0.1
December	29	78	5	23	< 0.1
	31	80	6	24	< 0.1
	33	82	6	25	< 0.1
	30	79	5	21	< 0.1
	28	77	4	23	< 0.1
	32	83	5	22	< 0.1
	26	76	4	21	< 0.1
	31	81	7	24	< 0.1
January	32	82	5	25	< 0.1
	29	78	4	21	< 0.1
	34	84	6	26	< 0.1
	31	81	5	22	< 0.1
	30	80	7	24	< 0.1
	28	79	6	23	< 0.1
	26	77	4	19	< 0.1
	33	83	7	26	< 0.1
	27	76	4	20	< 0.1
February	34	83	7	24	< 0.1
	38	87	4	21	< 0.1
	33	82	5	23	< 0.1
	36	85	6	26	< 0.1
	31	84	7	25	< 0.1
	35	86	8	27	< 0.1
	30	81	6	26	< 0.1
	28	79	5	22	< 0.1
March	35	86	7	25	< 0.1
	38	88	6	23	< 0.1
	38	89	6	25	< 0.1
	40	91	7	24	< 0.1
	32	82	4	21	< 0.1
	35	85	6	23	< 0.1
	36	87	7	24	< 0.1
	34	84	5	25	< 0.1
	37	87	5	20	< 0.1

Table No: 6

AMBIENT AIR QUALITY DATA

From 01.10.2025 to 31.03.2026

Station: A-5 (B. G Loco Gate, Line – 1)

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October	18	48	3	14	< 0.1
	22	61	5	18	< 0.1
	20	55	4	17	< 0.1
	26	74	5	21	< 0.1
	24	68	4	19	< 0.1
	28	76	6	22	< 0.1
	27	72	5	20	< 0.1
	21	60	3	17	< 0.1
November	22	64	5	20	< 0.1
	20	59	4	18	< 0.1
	26	72	5	22	< 0.1
	25	70	4	21	< 0.1
	24	67	4	18	< 0.1
	28	75	5	23	< 0.1
	26	71	5	20	< 0.1
	23	66	4	18	< 0.1
	21	62	3	17	< 0.1
December	24	70	4	19	< 0.1
	27	75	5	22	< 0.1
	26	73	4	20	< 0.1
	28	76	5	22	< 0.1
	25	72	4	20	< 0.1
	29	78	6	23	< 0.1
	23	69	3	18	< 0.1
	26	74	5	21	< 0.1
January	27	75	5	21	< 0.1
	29	77	5	22	< 0.1
	26	73	4	19	< 0.1
	30	79	5	23	< 0.1
	24	70	4	18	< 0.1
	27	74	5	20	< 0.1
	23	68	3	17	< 0.1
	28	76	6	22	< 0.1
	25	72	4	19	< 0.1
February	31	79	5	22	< 0.1
	35	84	6	24	< 0.1
	32	80	5	23	< 0.1
	34	83	6	25	< 0.1
	30	78	5	21	< 0.1
	33	81	6	24	< 0.1
	29	77	4	20	< 0.1
	32	80	5	23	< 0.1
March	36	87	7	25	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	35	85	6	23	< 0.1
	38	91	7	26	< 0.1
	39	92	8	27	< 0.1
	33	84	6	24	< 0.1
	35	86	7	25	< 0.1
	34	85	6	24	< 0.1
	37	88	7	26	< 0.1
	38	90	6	28	< 0.1

Table No: 7

AMBIENT AIR QUALITY DATA

From 01.10.2025 to 31.03.2026

Station: A-6 (Workshop Area, Line – 2)

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
October	20	56	4	17	< 0.1
	22	63	5	20	< 0.1
	21	58	4	18	< 0.1
	27	76	6	23	< 0.1
	25	71	5	21	< 0.1
	29	80	7	24	< 0.1
	28	77	5	22	< 0.1
	23	65	4	19	< 0.1
November	23	67	5	21	< 0.1
	21	62	4	19	< 0.1
	27	74	5	22	< 0.1
	26	73	5	22	< 0.1
	25	70	4	19	< 0.1
	29	78	6	24	< 0.1
	27	74	5	21	< 0.1
	24	69	4	19	< 0.1
	22	65	3	18	< 0.1
December	26	72	5	20	< 0.1
	29	77	5	22	< 0.1
	28	75	4	21	< 0.1
	27	74	5	21	< 0.1
	26	73	4	19	< 0.1
	30	79	6	23	< 0.1
	25	71	4	19	< 0.1
	28	76	5	22	< 0.1
January	29	78	5	22	< 0.1
	31	80	6	24	< 0.1
	28	76	4	20	< 0.1
	32	82	6	25	< 0.1
	27	74	5	21	< 0.1
	28	76	4	20	< 0.1
	25	71	3	18	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	30	79	6	23	< 0.1
	26	73	4	19	< 0.1
February	33	81	5	22	< 0.1
	36	85	6	25	< 0.1
	34	82	5	23	< 0.1
	35	84	6	25	< 0.1
	31	80	5	22	< 0.1
	34	83	6	24	< 0.1
	30	79	5	21	< 0.1
	33	82	5	23	< 0.1
March	37	88	7	26	< 0.1
	36	87	6	24	< 0.1
	39	92	7	27	< 0.1
	40	93	8	28	< 0.1
	34	85	6	24	< 0.1
	36	87	7	25	< 0.1
	35	86	6	25	< 0.1
	37	89	7	26	< 0.1
	39	91	6	27	< 0.1

Table No: 8

STACK EMISSION MONITORING RESULTS

Months	Location of sampling	PM mg/Nm³	SO_2 mg/Nm³	NO_2 mg/Nm³	Hg mg/Nm³
October	CVRM – 1 Bag Filter	09	-	-	-
	CVRM – 2 Bag Filter	07	-	-	-
	CVRM – 3 Bag Filter	08	-	-	-
	Coal Mill – 2 Bag Filter	22	-	-	-
	Cooler ESP – 2	10	-	-	-
	Kiln & VRM RABH – 2	07	7.61	269.99	-
	Clinker Cooler Attached To ESP	17	-	-	-
	Coal Mill Attached To Bag Filter	09	-	-	-
	Kiln & Raw Mill RABH Attached To Bag Filter	13	9.10	279.07	-
	Boiler 1 ESP Stack	17	309.25	207.62	< 0.02
November	CVRM – 1 Bag Filter	09	-	-	-
	CVRM – 2 Bag Filter	07	-	-	-
	CVRM – 3 Bag Filter	15	-	-	-
	Coal Mill – 2 Bag Filter	19	-	-	-
	Cooler ESP – 2	14	-	-	-
	Kiln & VRM RABH – 2	08	9.07	272.50	-
	Clinker Cooler Attached To ESP	23	-	-	-
	Coal Mill Attached To Bag Filter	07	-	-	-
	Kiln & Raw Mill RABH Attached To Bag Filter	11	8.01	263.77	-
	Boiler 1 ESP Stack	24	329.90	218.78	< 0.02
December	CVRM – 1 Bag Filter	09	-	-	-
	CVRM – 2 Bag Filter	13	-	-	-
	CVRM – 3 Bag Filter	10	-	-	-

Months	Location of sampling	PM mg/Nm^3	SO_2 mg/Nm^3	NO_2 mg/Nm^3	Hg mg/Nm^3
	Coal Mill – 2 Bag Filter	18	-	-	-
	Cooler ESP – 2	16	-	-	-
	Kiln & VRM RABH – 2	10	11.45	290.34	
	Clinker Cooler Attached To ESP	23	-	-	-
	Coal Mill Attached To Bag Filter	07	-	-	-
	Kiln & Raw Mill RABH Attached To Bag Filter	15	9.01	277.53	-
	Boiler 1 ESP Stack	37	345.83	276.35	< 0.02
January	CVRM – 1 Bag Filter	10	-	-	-
	CVRM – 2 Bag Filter	08	-	-	-
	CVRM – 3 Bag Filter	08	-	-	-
	Coal Mill – 1 Bag Filter	13	-	-	-
	Cooler ESP – 1	15	-	-	-
	Coal Mill – 2 Bag Filter	19	-	-	-
	Cooler ESP – 2	16	-	-	-
	Kiln & VRM Bag House – 1	11	13.5	278.5	-
	Kiln & VRM RABH – 2	08	10	284.34	-
	Clinker Cooler Attached To ESP	20	-	-	-
	Coal Mill Attached To Bag Filter	09	-	-	-
	Kiln & Raw Mill RABH Attached To Bag Filter	13	8.73	280.59	-
	Boiler 1 ESP Stack	28	475.5	237.72	< 0.02
February	CVRM – 1 Bag Filter	10	-	-	-
	CVRM – 2 Bag Filter	13	-	-	-
	CVRM – 3 Bag Filter	11	-	-	-
	Coal Mill – 1 Bag Filter	13	-	-	-
	Cooler ESP – 1	15	-	-	-
	Coal Mill – 2 Bag Filter	11	-	-	-
	Cooler ESP – 2	16	-	-	-
	Kiln & VRM Bag House – 1	16	18.6	296.02	-
	Kiln & VRM RABH – 2	07	11.3	288.20	-
	Clinker Cooler Attached To ESP	21	-	-	-
	Coal Mill Attached To Bag Filter	08	-	-	-
	Kiln & Raw Mill RABH Attached To Bag Filter	10	6.72	267.49	-
	Boiler 1 ESP Stack	33	320	288	< 0.02
March	CVRM – 1 Bag Filter	09	-	-	-
	CVRM – 2 Bag Filter	12	-	-	-
	CVRM – 3 Bag Filter	07	-	-	-
	Coal Mill – 1 Bag Filter	18	-	-	-
	Cooler ESP – 1	13	-	-	-
	Coal Mill – 2 Bag Filter	22	-	-	-
	Cooler ESP – 2	12	-	-	-
	Kiln & VRM Bag House – 1	15	16.88	288.10	-
	Kiln & VRM RABH – 2	09	12.21	290.09	-
	Clinker Cooler Attached To ESP	23	-	-	-
	Coal Mill Attached To Bag Filter	10	-	-	-
	Kiln & Raw Mill RABH Attached To Bag Filter	11	9.12	268.92	-
	Boiler 1&2 ESP Stack	39	373.20	294.25	< 0.02

Table No : 9

GROUND WATER QUALITY RESULT FOR THE MONTH OF OCTOBER 2025

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	3.8	0.80	1.8	0.20	0.40	NTU	5.0
2	pH Value	6.63	6.72	6.65	7.05	6.27	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	654.72	325.38	412.67	210.30	297.6	mg/l	600
4	Iron (as Fe)	0.08	0.26	0.29	0.28	0.21	mg/l	0.3
5	Chlorides (as Cl)	94.49	58.82	78.10	20.25	50.14	mg/l	1000
6	Total Dissolved Solids	862	500	568	272	414	mg/l	2000
7	Electrical Conductivity	1435	876	947	453	689	µS/cm	-
8	Calcium (as Ca)	152.67	57.25	139.95	60.43	95.42	mg/l	200
9	Magnesium (as Mg)	66.53	44.47	15.43	14.46	14.46	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	140.08	87.06	86.56	17.23	68.39	mg/l	400
13	Total Nitrate (as NO_3)	43.89	9.27	< 2.20	< 2.20	12.69	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	364	248	248	172	144	mg/l	600
15	Acidity	22	18	18	08	16	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	29.64	25.59	23.64	8.06	21.68	mg/l	-
18	Potassium (as K)	1.16	1.24	2.71	3.12	2.94	mg/l	-
19	Fluoride (as F)	0.18	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	26.3	26.4	26.3	26.2	26.3	^oC	-
32	Residual Free Chlorine	0.12	0.11	0.14	0.09	0.11	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 10

GROUND WATER QUALITY RESULT FOR THE MONTH OF NOVEMBER 2025

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.10	0.30	0.60	4.6	1.2	NTU	5.0
2	pH Value	6.59	6.84	6.59	6.58	6.58	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	503.94	365.06	448.38	174.59	178.56	mg/l	600
4	Iron (as Fe)	0.28	0.24	0.23	0.25	0.27	mg/l	0.3
5	Chlorides (as Cl)	92.57	63.24	75.21	16.39	40.50	mg/l	1000
6	Total Dissolved Solids	870	544	582	212	258	mg/l	2000
7	Electrical Conductivity	1464	905	969	378	439	µS/cm	-
8	Calcium (as Ca)	127.23	117.69	151.08	31.81	39.76	mg/l	200
9	Magnesium (as Mg)	45.32	17.36	17.35	23.14	19.28	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	156.20	82.55	90.99	7.78	25.07	mg/l	400
13	Total Nitrate (as NO_3)	44.2	20.0	9.71	18.61	7.53	mg/l	45

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
14	Total Alkalinity (as $CaCO_3$)	352	212	200	120	100	mg/l	600
15	Acidity	38	22	24	14	26	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	32.35	30.32	46.25	9.22	19.54	mg/l	-
18	Potassium (as K)	1.20	1.01	1.22	2.54	1.62	mg/l	-
19	Fluoride (as F)	0.81	< 0.05	1.16	< 0.05	0.98	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	24.9	24.8	22.9	24.9	24.8	^oC	-
32	Residual Free Chlorine	0.11	0.11	0.19	0.16	0.13	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 11

GROUND WATER QUALITY RESULT FOR THE MONTH OF DECEMBER 2025

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.10	0.10	0.30	0.10	0.10	NTU	5.0
2	pH Value	6.65	6.60	6.55	6.57	6.58	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	398.40	402.38	298.8	549.79	318.72	mg/l	600
4	Iron (as Fe)	0.27	0.29	0.27	0.30	0.04	mg/l	0.3
5	Chlorides (as Cl)	134.03	63.64	50.14	242.02	47.25	mg/l	1000
6	Total Dissolved Solids	792	556	520	962	458	mg/l	2000
7	Electrical Conductivity	1303	925	865	1580	760	µS/cm	-
8	Calcium (as Ca)	65.47	119.76	55.89	126.15	87.82	mg/l	200
9	Magnesium (as Mg)	57.12	25.17	38.72	57.12	24.20	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	72.29	94.75	51.42	99.03	55.25	mg/l	400
13	Total Nitrate (as NO_3)	42.1	9.59	5.63	41.85	41.77	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	384	244	260	300	148	mg/l	600
15	Acidity	28	22	38	26	14	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	65.34	38.54	40.74	50.04	25.14	mg/l	-
18	Potassium (as K)	1.52	1.12	2.64	3.31	3.47	mg/l	-
19	Fluoride (as F)	0.83	0.14	0.34	0.87	0.26	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
31	Temperature	24.6	25.5	24.5	24.2	25.4	^{o}C	-
32	Residual Free Chlorine	0.13	0.18	0.16	0.18	0.13	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 12

GROUND WATER QUALITY RESULT FOR THE MONTH OFJANUARY 2026

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.1	0.1	0.1	0.2	0.1	NTU	5.0
2	pH Value	6.53	6.50	6.48	6.40	6.23	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	577.68	406.37	362.54	170.62	314.74	mg/l	600
4	Iron (as Fe)	0.28	0.28	0.12	0.82	0.44	mg/l	0.3
5	Chlorides (as Cl)	238.17	61.71	53.99	13.50	51.10	mg/l	1000
6	Total Dissolved Solids	1068	562	510	240	458	mg/l	2000
7	Electrical Conductivity	1778	936	870	406	760	µS/cm	-
8	Calcium (as Ca)	159.67	127.74	71.86	52.48	92.61	mg/l	200
9	Magnesium (as Mg)	43.56	21.30	44.53	9.64	20.33	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	155.35	89.34	78.32	26.84	58.60	mg/l	400
13	Total Nitrate (as NO_3)	18.37	7.06	2.62	11.64	18.30	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	284	236	238	128	210	mg/l	600
15	Acidity	22	20	40	14	18	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	36.82	21.24	28.79	7.51	10.45	mg/l	-
18	Potassium (as K)	2.18	1.67	5.62	2.38	2.58	mg/l	-
19	Fluoride (as F)	0.16	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	25.1	24.6	25.2	24.8	24.6	^{o}C	-
32	Residual Free Chlorine	0.10	< 0.01	0.16	0.15	0.18	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 13

GROUND WATER QUALITY RESULT FOR THE MONTH OF FEBRYARY 2026

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.10	0.10	0.10	0.10	0.10	NTU	5.0
2	pH Value	6.82	6.85	6.63	6.71	6.50	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	784.85	410.35	398.40	187.25	322.70	mg/l	600
4	Iron (as Fe)	0.37	0.26	0.30	0.36	0.13	mg/l	0.3

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
5	Chlorides (as Cl)	216.95	60.75	52.07	12.54	47.25	mg/l	1000
6	Total Dissolved Solids	968	546	522	242	446	mg/l	2000
7	Electrical Conductivity	1613	908	869	401	744	µS/cm	-
8	Calcium (as Ca)	261.87	114.96	113.37	41.52	119.76	mg/l	200
9	Magnesium (as Mg)	31.95	30.01	28.08	20.33	5.81	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	109.80	99.46	84.54	25.08	64.08	mg/l	400
13	Total Nitrate (as NO_3)	31.29	10.43	18.65	4.68	15.52	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	300	244	200	144	188	mg/l	600
15	Acidity	02	08	16	14	08	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	40.49	31.23	43.39	10.22	23.98	mg/l	-
18	Potassium (as K)	2.94	1.25	2.49	2.50	3.09	mg/l	-
19	Fluoride (as F)	< 0.05	< 0.05	0.24	< 0.05	0.19	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	25.1	24.6	25.2	24.8	24.6	°C	-
32	Residual Free Chlorine	0.10	< 0.01	0.16	0.15	0.18	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 14

GROUND WATER QUALITY RESULT FOR THE MONTH OF MARCH 2026

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.10	0.20	0.10	0.30	0.10	NTU	5.0
2	pH Value	6.69	6.79	6.53	6.71	6.61	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	352	356	372	208	316	mg/l	600
4	Iron (as Fe)	0.92	0.84	0.77	0.29	0.07	mg/l	0.3
5	Chlorides (as Cl)	132.1	65.67	55.93	14.46	46.28	mg/l	1000
6	Total Dissolved Solids	750	560	480	228	428	mg/l	2000
7	Electrical Conductivity	1292	931	872	378	711	µS/cm	-
8	Calcium (as Ca)	73.74	84.96	92.98	65.73	84.96	mg/l	200
9	Magnesium (as Mg)	40.82	34.9	34.02	10.69	25.27	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	111.83	104.15	110.64	13.95	42.62	mg/l	400
13	Total Nitrate (as NO_3)	18.62	9.85	< 2.20	7.85	24.81	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	340	240	264	112	180	mg/l	600
15	Acidity	26	12	24	20	32	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	54.49	34.71	43.60	10.37	22.38	mg/l	-
18	Potassium (as K)	1.55	1.31	3.0	2.53	3.08	mg/l	-
19	Fluoride (as F)	0.64	0.84	0.90	< 0.05	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	mg/l	0.003

Sl No	Parameter	Results Obtained					Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Tube Well Village Liploi	Tube Well OCL Daily Market	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
21	Lead (as Pb)	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	25.1	24.6	25.2	24.8	24.6	^{o}C	-
32	Residual Free Chlorine	0.10	< 0.01	0.16	0.15	0.18	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 15

DRINKING WATER QUALITY RESULT FOR THE MONTH OF OCTOBER 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Near General Store Workers' Canteen Drinking water point (Line – 1)	Near Cooler Drinking Water point (Line – 1)	Near Workers Canteen Drinking Water point (Line – 2)	Near AFR Storage Area Drinking Water point (Line – 2)	CCR Building 2nd Floor Drinking Water Point (DSP Unit)	Near Coal Mill Drinking Water point (DSP Unit)		
1	Turbidity	0.10	0.40	0.30	0.10	0.20	0.30	NTU	5.0
2	pH Value	7.58	7.29	7.53	7.85	7.54	8.01	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	166.66	154.75	150.78	166.66	170.62	142.85	mg/l	600
4	Iron (as Fe)	0.12	0.08	0.21	< 0.01	0.05	0.24	mg/l	0.3
5	Chlorides (as Cl)	17.36	11.57	15.43	15.43	15.43	11.57	mg/l	1000
6	Total Dissolved Solids	222	190	208	214	212	190	mg/l	2000
7	Electrical Conductivity	370	330	347	355	351	324	µS/cm	-
8	Calcium (as Ca)	42.94	36.58	39.76	33.40	38.17	34.99	mg/l	200
9	Magnesium (as Mg)	14.46	15.43	12.53	20.25	18.32	13.50	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	34.71	13.92	36.75	34.80	22.45	24.91	mg/l	400
13	Total Nitrate (as NO_3)	7.93	11.54	7.58	8.74	11.12	5.74	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	96	100	96	100	104	100	mg/l	600
15	Acidity	02	04	02	< 2.0	02	< 2.0	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	8.95	8.98	9.04	8.96	9.04	8.56	mg/l	-
18	Potassium (as K)	2.29	2.34	2.15	2.23	2.23	2.20	mg/l	-
19	Fluoride (as F)	< 0.05	0.10	< 0.05	0.19	0.96	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	26.3	26.3	26.2	26.0	26.0	26.2	^{o}C	-
32	Residual Free Chlorine	0.10	0.15	0.13	0.12	0.12	0.11	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 16

DRINKING WATER QUALITY RESULT FOR THE MONTH OF NOVEMBER 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Main Gate Canteen Drinking water point, Line – 1	Spandan Dispensary Drinking Water point (Line – 1)	CPP Canteen Drinking Water point (Line – 2)	Workshop Drinking Water point (Line – 2)	Workers' Canteen Drinking Water Point (DSP Unit)	Near New Weigh Bridge Drinking Water point (DSP Unit)		
1	Turbidity	0.10	0.20	0.10	0.20	0.10	0.20	NTU	5.0
2	pH Value	7.20	7.92	7.96	8.05	8.17	7.47	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	206.34	222.21	190.46	186.50	182.53	174.59	mg/l	600
4	Iron (as Fe)	0.23	0.08	0.08	0.23	0.21	0.21	mg/l	0.3
5	Chlorides (as Cl)	18.32	17.36	18.32	16.39	16.39	16.39	mg/l	1000
6	Total Dissolved Solids	242	250	236	236	236	238	mg/l	2000
7	Electrical Conductivity	404	422	398	393	392	396	µS/cm	-
8	Calcium (as Ca)	41.35	38.17	39.76	39.76	28.63	38.17	mg/l	200
9	Magnesium (as Mg)	25.07	30.86	22.22	21.21	26.99	19.28	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	31.89	28.35	29.62	29.46	30.35	30.30	mg/l	400
13	Total Nitrate (as NO_3)	13.19	13.07	12.57	16.23	13.21	12.23	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	124	116	104	112	120	120	mg/l	600
15	Acidity	04	04	04	04	04	06	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	13.03	12.40	11.99	12.40	12.08	11.83	mg/l	-
18	Potassium (as K)	1.24	0.40	1.02	1.12	1.09	0.98	mg/l	-
19	Fluoride (as F)	0.52	0.24	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	24.9	25.0	24.9	24.8	24.8	24.9	°C	-
32	Residual Free Chlorine	0.19	0.16	0.12	0.20	0.82	0.18	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 17

DRINKING WATER QUALITY RESULT FOR THE MONTH OF DECEMBER 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Near Clinker Silo Drinking water point, Line – 1	Packing House Drinking Water point (Line – 1)	Near CPP Office Building Drinking Water point (Line – 2)	Near Main Gate Drinking Water point (Line – 2)	Near Cooler Drinking Water Point (DSP Unit)	Near General Store Drinking Water point (DSP Unit)		
1	Turbidity	0.10	0.10	0.10	0.10	0.10	0.10	NTU	5.0
2	pH Value	7.60	7.54	7.35	7.59	7.45	7.63	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	227.09	247.01	211.15	219.12	235.06	270.91	mg/l	600
4	Iron (as Fe)	0.28	0.17	0.09	0.28	0.30	0.20	mg/l	0.3
5	Chlorides (as Cl)	25.07	20.25	16.39	5.78	16.39	19.28	mg/l	1000
6	Total Dissolved Solids	264	284	260	270	294	290	mg/l	2000
7	Electrical Conductivity	458	499	470	469	502	494	µS/cm	-
8	Calcium (as Ca)	46.31	57.48	52.69	52.69	52.69	54.29	mg/l	200
9	Magnesium (as Mg)	27.11	25.17	19.36	21.30	25.17	32.91	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Near Clinker Silo Drinking water point, Line – 1	Packing House Drinking Water point (Line – 1)	Near CPP Office Building Drinking Water point (Line – 2)	Near Main Gate Drinking Water point (Line – 2)	Near Cooler Drinking Water Point (DSP Unit)	Near General Store Drinking Water point (DSP Unit)		
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	19.51	18.43	15.76	32.46	21.86	24.23	mg/l	400
13	Total Nitrate (as NO_3)	13.12	11.61	13.80	12.96	27.44	10.51	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	136	156	144	148	148	144	mg/l	600
15	Acidity	06	06	02	04	04	04	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	8.12	8.77	8.08	8.09	8.57	8.75	mg/l	-
18	Potassium (as K)	3.02	3.57	3.34	3.42	3.60	3.57	mg/l	-
19	Fluoride (as F)	0.18	0.13	0.60	0.32	0.18	0.46	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	24.5	24.4	24.3	24.8	24.5	24.2	^oC	-
32	Residual Free Chlorine	0.14	0.11	0.12	0.19	0.20	0.19	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 18

DRINKING WATER QUALITY RESULT FOR THE MONTH OF JANUARY 2026

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Packing House Drinking Water Point (Line – 1)	Near CVRM – 2 Drinking Water Point(Line – 1)	Work Shop Drinking Water Point (Line – 2)	Near AFR Storage Drinking Water Point (Line – 2)	Near Coal Mill Drinking Water Point (DSP Unit)	CCR Building 2nd Floor Drinking Water Point (DSP Unit)		
1	Turbidity	0.20	0.10	0.30	0.10	0.40	0.20	NTU	5.0
2	pH Value	7.18	7.18	7.18	7.06	7.42	7.55	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	194.30	202.4	186.21	202.40	190.26	186.21	mg/l	600
4	Iron (as Fe)	< 0.01	< 0.01	0.09	< 0.01	0.02	0.28	mg/l	0.3
5	Chlorides (as Cl)	16.39	16.39	16.39	23.14	15.43	16.39	mg/l	1000
6	Total Dissolved Solids	250	244	244	256	220	252	mg/l	2000
7	Electrical Conductivity	410	417	409	444	393	402	µS/cm	-
8	Calcium (as Ca)	43.81	50.30	45.43	55.16	43.81	45.43	mg/l	200
9	Magnesium (as Mg)	20.65	18.69	17.71	15.74	19.67	17.71	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	47.37	54.01	55.70	47.94	37.86	40.78	mg/l	400
13	Total Nitrate (as NO_3)	11.08	11.26	11.12	8.74	10.08	9.91	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	96	100	104	108	108	112	mg/l	600
15	Acidity	10	06	08	08	04	04	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	10.66	10.50	10.39	11.52	9.83	10.25	mg/l	-
18	Potassium (as K)	4.36	4.46	4.62	4.95	4.56	4.73	mg/l	-
19	Fluoride (as F)	0.88	1.13	0.81	1.19	1.06	1.40	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Packing House Drinking Water Point (Line – 1)	Near CVRM – 2 Drinking Water Point(Line – 1)	Work Shop Drinking Water Point (Line – 2)	Near AFR Storage Drinking Water Point (Line – 2)	Near Coal Mill Drinking Water Point (DSP Unit)	CCR Building 2nd Floor Drinking Water Point (DSP Unit)		
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	25.1	25.1	25.2	25.2	25.2	25.2	°C	-
32	Residual Free Chlorine	0.11	0.12	0.16	0.13	0.15	0.19	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 19

DRINKING WATER QUALITY RESULT FOR THE MONTH OF FEBRUARY 2026

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Near General Store Workers' Canteen Drinking Water Point, Line – 1	General Office Ground Floor Drinking Water Point	CPP Workers' Canteen Drinking Water point (Line – 2)	Workshop Drinking Water point (Line – 2)	Near New Weigh Bridge Canteen Drinking Water Point (DSP Unit)	CCR Building 2nd Floor Pantry Room Drinking Water point (DSP Unit)		
1	Turbidity	0.10	0.10	0.10	0.20	0.10	0.10	NTU	5.0
2	pH Value	7.88	7.91	7.98	7.86	7.84	7.95	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	215.14	223.10	207.17	219.12	243.02	219.12	mg/l	600
4	Iron (as Fe)	0.12	0.16	0.16	0.29	0.10	0.18	mg/l	0.3
5	Chlorides (as Cl)	17.36	19.28	18.32	17.36	19.28	20.25	mg/l	1000
6	Total Dissolved Solids	286	284	282	286	286	282	mg/l	2000
7	Electrical Conductivity	473	473	468	476	473	472	µS/cm	-
8	Calcium (as Ca)	44.71	36.73	39.92	43.11	43.11	38.32	mg/l	200
9	Magnesium (as Mg)	25.17	31.95	26.14	27.11	32.91	30.01	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	46.87	47.81	44.62	47.37	46.20	46.23	mg/l	400
13	Total Nitrate (as NO_3)	10.76	12.14	9.30	10.93	< 2.20	11.81	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	140	140	148	136	144	140	mg/l	600
15	Acidity	02	04	02	02	2.0	2.0	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	11.12	< 0.02	mg/l	0.05
17	Sodium (as Na)	15.65	15.44	15.44	15.42	15.73	15.65	mg/l	-
18	Potassium (as K)	3.14	3.18	3.0	3.03	3.11	3.12	mg/l	-
19	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	24.8	24.9	25.0	24.8	24.8	24.8	°C	-
32	Residual Free Chlorine	0.15	0.11	0.12	0.17	0.12	0.13	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 20

DRINKING WATER QUALITY RESULT FOR THE MONTH OF MARCH 2026

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Near Main Gate Canteen Drinking Water Point, Line – 1	Near Clinker Silo Drinking Water Point, Line – 1	Near CPP Office Building Drinking Water Point, Line – 2	Near Worker's Canteen Drinking Water Point, Line – 2	Near Cooler Drinking Water Point, DSP Unit	Near General Store Drinking Water Point, DSP Unit		
1	Turbidity	0.10	0.10	0.10	0.10	0.10	0.10	NTU	5.0
2	pH Value	7.60	7.64	7.38	7.42	7.08	7.07	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	240	224	228	208	192	216	mg/l	600
4	Iron (as Fe)	0.24	0.26	0.18	0.03	0.09	0.07	mg/l	0.3
5	Chlorides (as Cl)	16.39	17.36	17.36	17.36	16.39	16.39	mg/l	1000
6	Total Dissolved Solids	286	280	274	274	264	280	mg/l	2000
7	Electrical Conductivity	476	466	467	483	463	493	µS/cm	-
8	Calcium (as Ca)	60.92	49.7	40	38.47	35.27	33.6	mg/l	200
9	Magnesium (as Mg)	23.81	24.3	31.1	27.2	25.27	32.1	mg/l	100
10	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
11	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.3
12	Sulfate (as SO_4)	33.07	49.38	30.88	31.69	25.61	32.95	mg/l	400
13	Total Nitrate (as NO_3)	9.15	8.35	8.47	8.74	8.45	8.49	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	148	136	140	152	156	160	mg/l	600
15	Acidity	02	06	02	04	14	06	mg/l	-
16	Sulphide (as H_2S)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	0.05
17	Sodium (as Na)	13.57	13.58	13.75	14.40	14.10	13.56	mg/l	-
18	Potassium (as K)	2.95	2.11	2.78	2.87	2.89	2.96	mg/l	-
19	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
20	Cadmium (as Cd)	ND	ND	ND	ND	ND	ND	mg/l	0.003
21	Lead (as Pb)	ND	ND	ND	ND	ND	ND	mg/l	0.01
22	Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15.0
27	Total Chromium (as Cr)	ND	ND	ND	ND	ND	ND	mg/l	0.05
28	Colour	< 5	< 5	< 5	< 5	< 5	< 5	Hazen	15
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	24.8	24.9	25.0	24.8	24.8	24.8	°C	-
32	Residual Free Chlorine	0.15	0.11	0.12	0.17	0.12	0.13	mg/l	1.0 (min)
33	Total Bacterial Count	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent
34	E coli	Absent	Absent	Absent	Absent	Absent	Absent	Nos/100ml	Absent

Table No : 21

SURFACE WATER QUALITY RESULT FOR THE MONTH OF OCTOBER 2025

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.45	7.28	7.23	7.65	-	6.5 – 8.5
2	Electrical Conductivity	422	492	612	388	µS/cm	-
3	Total Dissolved Solids	254	296	368	234	mg/l	1500
4	Total Hardness (as $CaCO_3$)	166.66	206.34	242.05	194.43	mg/l	-
5	Chlorides (as Cl)	14.46	21.21	31.82	14.46	mg/l	600
6	Sulfate (as SO_4)	27.25	43.69	63.16	24.08	mg/l	400
7	Total Nitrate (as NO_3)	< 2.20	< 2.20	< 2.20	< 2.20	mg/l	50
8	Fluoride (as F)	0.42	0.21	0.65	0.26	mg/l	1.5
9	Calcium (as Ca)	50.89	73.16	65.20	49.30	mg/l	-

Sl	Parameter	Results Obtained				Unit	Surface Water Quality
10	Magnesium (as Mg)	9.64	5.78	19.28	17.35	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.31	0.39	0.42	0.89	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	-
14	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15
15	Total Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.2
16	Mercury (as Hg)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	-
17	Lead (as Pb)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
18	Cadmium (as Cd)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.01
19	Hex. Chromium (as Cr^{+6})	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
20	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
21	Dissolved Oxygen (Min.)	6.2	6.1	6.0	6.2	Hazen	300
22	BOD 5 days at 20°C	01	01	01	01	-	-
23	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	-	-
24	Free Carbon Dioxide (as CO_2)	5.28	7.04	12.32	7.04	mg/l	4
25	Total Suspended Solids	10.3	14.9	15.9	< 2.5	mg/l	3
26	Colour	< 5	< 5	< 5	< 5	mg/l	0.1
27	Odour	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
28	Taste	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
29	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	0.05
30	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
31	Phenolic Compounds(as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	1.0
32	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	Nos/100ml	5000
33	Total Coliforms	Absent	Absent	Absent	Absent		

Table No : 22

SURFACE WATER QUALITY RESULT FOR THE MONTH OF NOVEMBER 2025

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.54	7.57	7.54	7.58	-	6.5 – 8.5
2	Electrical Conductivity	559	601	600	457	µS/cm	-
3	Total Dissolved Solids	334	362	360	274	mg/l	1500
4	Total Hardness (as $CaCO_3$)	210.30	206.34	226.18	214.27	mg/l	-
5	Chlorides (as Cl)	26.03	28.93	27.96	16.39	mg/l	600
6	Sulfate (as SO_4)	31.28	31.81	31.35	23.45	mg/l	400
7	Total Nitrate (as NO_3)	20.74	20.63	20.76	3.28	mg/l	50
8	Fluoride (as F)	< 0.05	< 0.05	< 0.05	0.82	mg/l	1.5
9	Calcium (as Ca)	41.35	39.76	44.53	52.48	mg/l	-
10	Magnesium (as Mg)	26.03	26.03	27.96	20.25	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.59	0.77	0.37	0.08	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	-
14	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15
15	Total Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.2
16	Mercury (as Hg)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	-
17	Lead (as Pb)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
18	Cadmium (as Cd)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.01
19	Hex. Chromium (as Cr^{+6})	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
20	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
21	Dissolved Oxygen (Min.)	6.2	6.1	6.1	6.2	Hazen	4
22	BOD 5 days at 20°C	01	02	01	01	-	3
23	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	-	0.1
24	Free Carbon Dioxide (as CO_2)	7.04	3.52	8.80	10.0	mg/l	-
25	Total Suspended Solids	3.7	3.9	4.1	10.4	mg/l	-
26	Colour	< 5	< 5	< 5	< 5	mg/l	300
27	Odour	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
28	Taste	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
29	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	-

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
30	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
31	Phenolic Compounds(as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
32	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	Nos/100ml	1.0
33	Total Coliforms	Absent	Absent	Absent	Absent		5000

Table No : 23

SURFACE WATER QUALITY RESULT FOR THE MONTH OF DECEMBER 2025

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.40	7.32	7.20	6.91	-	6.5 – 8.5
2	Electrical Conductivity	753	918	977	507	µS/cm	-
3	Total Dissolved Solids	452	552	586	304	mg/l	1500
4	Total Hardness (as $CaCO_3$)	294.82	322.70	350.59	219.12	mg/l	-
5	Chlorides (as Cl)	40.50	68.46	70.39	20.25	mg/l	600
6	Sulfate (as SO_4)	50.95	59.70	72.40	37.90	mg/l	400
7	Total Nitrate (as NO_3)	< 2.20	3.01	< 2.20	4.97	mg/l	50
8	Fluoride (as F)	0.28	0.11	0.17	< 0.05	mg/l	1.5
9	Calcium (as Ca)	55.89	67.06	51.89	57.48	mg/l	-
10	Magnesium (as Mg)	37.76	37.75	22.27	18.39	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.24	0.36	0.39	0.20	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	-
14	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15
15	Total Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.2
16	Mercury (as Hg)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	-
17	Lead (as Pb)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
18	Cadmium (as Cd)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.01
19	Hex. Chromium (as Cr^{+6})	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
20	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
21	Dissolved Oxygen (Min.)	6.2	6.1	6.0	6.2	Hazen	4
22	BOD 5 days at 20°C	01	02	02	01	-	3
23	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	-	0.1
24	Free Carbon Dioxide (as CO_2)	8.80	5.28	8.80	7.04	mg/l	-
25	Total Suspended Solids	< 2.5	6.1	23.90	< 2.5	mg/l	-
26	Colour	< 5	< 5	< 5	< 5	mg/l	300
27	Odour	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
28	Taste	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
29	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	-
30	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
31	Phenolic Compounds(as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
32	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	Nos/100ml	1.0
33	Total Coliforms	Absent	Absent	Absent	Absent		5000

Table No : 24

SURFACE WATER QUALITY RESULT FOR THE MONTH OF JANUARY 2026

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.64	7.62	7.36	7.49	-	6.5 – 8.5
2	Electrical Conductivity	895	835	935	512	µS/cm	-

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
3	Total Dissolved Solids	538	502	562	308	mg/l	1500
4	Total Hardness (as $CaCO_3$)	354.58	326.69	322.70	231.07	mg/l	-
5	Chlorides (as Cl)	62.67	46.28	63.64	21.21	mg/l	600
6	Sulfate (as SO_4)	57.43	54.81	67.51	32.63	mg/l	400
7	Total Nitrate (as NO_3)	4.36	3.77	< 2.20	4.92	mg/l	50
8	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
9	Calcium (as Ca)	62.27	63.87	84.63	47.90	mg/l	-
10	Magnesium (as Mg)	48.40	40.66	27.11	27.11	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.78	0.26	0.15	0.16	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	-
14	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15
15	Total Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.2
16	Mercury (as Hg)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	-
17	Lead (as Pb)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
18	Cadmium (as Cd)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.01
19	Hex. Chromium (as Cr^{+6})	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
20	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
21	Dissolved Oxygen (Min.)	6.1	6.0	6.0	6.2	Hazen	4
22	BOD 5 days at 20°C	01	01	02	01	-	3
23	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	-	0.1
24	Free Carbon Dioxide (as CO_2)	3.52	10.56	19.36	5.28	mg/l	-
25	Total Suspended Solids	< 2.5	< 2.5	< 2.5	< 2.5	mg/l	-
26	Colour	< 5	< 5	< 5	< 5	mg/l	300
27	Odour	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
28	Taste	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
29	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	-
30	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
31	Phenolic Compounds(as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
32	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	Nos/100ml	1.0
33	Total Coliforms	Absent	Absent	Absent	Absent		5000

Table No : 25

SURFACE WATER QUALITY RESULT FOR THE MONTH OF FEBRUARY 2026

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.59	7.65	7.37	7.52	-	6.5 – 8.5
2	Electrical Conductivity	847	840	879	514	µS/cm	-
3	Total Dissolved Solids	510	504	528	308	mg/l	1500
4	Total Hardness (as $CaCO_3$)	290.83	306.77	314.74	223.10	mg/l	-
5	Chlorides (as Cl)	64.60	65.57	61.71	20.25	mg/l	600
6	Sulfate (as SO_4)	67.20	67.26	81.72	32.45	mg/l	400
7	Total Nitrate (as NO_3)	4.25	3.96	4.22	2.60	mg/l	50
8	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
9	Calcium (as Ca)	62.27	63.87	83.03	51.10	mg/l	-
10	Magnesium (as Mg)	32.91	35.82	26.14	23.23	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.48	0.53	0.56	0.19	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	-
14	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15
15	Total Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.2
16	Mercury (as Hg)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	-
17	Lead (as Pb)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
18	Cadmium (as Cd)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.01
19	Hex. Chromium (as Cr^{+6})	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
20	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
21	Dissolved Oxygen (Min.)	6.2	6.1	6.2	6.2	Hazen	4
22	BOD 5 days at 20°C	01	01	01	01	-	3
23	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	-	0.1
24	Free Carbon Dioxide (as CO_2)	< 2.0	7.04	< 2.0	< 2.0	mg/l	-
25	Total Suspended Solids	< 2.5	< 2.5	< 2.5	< 2.5	mg/l	-
26	Colour	< 5	< 5	< 5	< 5	mg/l	300
27	Odour	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
28	Taste	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
29	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	-
30	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
31	Phenolic Compounds(as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
32	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	Nos/100ml	1.0
33	Total Coliforms	Absent	Absent	Absent	Absent		5000

Table No : 26

SURFACE WATER QUALITY RESULT FOR THE MONTH OF MARCH 2026

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Liploi Nadi Upstream (Shirdi Sai Temple)	Liploi Nadi (Muncipality Dump Yard)	Liploi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.42	7.44	7.23	7.08	-	6.5 – 8.5
2	Electrical Conductivity	964	976	914	784	µS/cm	-
3	Total Dissolved Solids	580	586	550	472	mg/l	1500
4	Total Hardness (as $CaCO_3$)	284	300	360	324	mg/l	-
5	Chlorides (as Cl)	71.35	78.10	59.78	58.82	mg/l	600
6	Sulfate (as SO_4)	49.45	62.91	64.52	48.09	mg/l	400
7	Total Nitrate (as NO_3)	4.24	2.27	6.38	< 2.20	mg/l	50
8	Fluoride (as F)	0.26	0.36	0.43	< 0.05	mg/l	1.5
9	Calcium (as Ca)	59.20	56.0	60.8	83.36	mg/l	-
10	Magnesium (as Mg)	33.05	38.88	50.54	28.19	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.26	0.32	0.47	0.07	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	-
14	Zinc (as Zn)	< 0.02	< 0.02	< 0.02	< 0.02	mg/l	15
15	Total Arsenic (as As)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.2
16	Mercury (as Hg)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	-
17	Lead (as Pb)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
18	Cadmium (as Cd)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	0.01
19	Hex. Chromium (as Cr^{+6})	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
20	Selenium (as Se)	< 0.01	< 0.01	< 0.01	< 0.01	mg/l	0.05
21	Dissolved Oxygen (Min.)	6.2	6.2	6.2	6.2	Hazen	4
22	BOD 5 days at 20°C	01	01	01	01	-	3
23	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	-	0.1
24	Free Carbon Dioxide (as CO_2)	3.52	7.04	14.08	14.08	mg/l	-
25	Total Suspended Solids	< 2.5	< 2.5	< 2.5	< 2.5	mg/l	-
26	Colour	< 5	< 5	< 5	< 5	mg/l	300
27	Odour	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
28	Taste	Agreeable	Agreeable	Agreeable	Agreeable	mg/l	-
29	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	-
30	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
31	Phenolic Compounds(as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
32	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	Nos/100ml	1.0
33	Total Coliforms	Absent	Absent	Absent	Absent		5000

Table No : 27

27.1 EFFLUENT WATER QUALITY RESULT OF ETP INLET

Sl No	Parameters	Results Obtained						Unit
		OCT-25	NOV-25	DEC-25	JAN-26	FEB-26	MAR-26	
1	pH Value	8.52	7.71	8.65	7.73	7.60	7.48	-
2.	Total Suspended Solids	22.7	12.5	15	16	52.3	29.5	mg/l
3.	Oil & Grease	4.1	5.2	2.6	3.8	3.8	3.4	mg/l
4.	BOD 5days at 20^{O}C	36	33	96	22	40	39	mg/l
5.	COD	109.82	98.16	286.30	68.43	122.84	119.4	mg/l

27.2 EFFLUENT WATER QUALITY RESULT OF ETP OUTLET

Sl No	Parameters	Results Obtained						Permissible Limit as per CTO Conditions	Unit
		OCT-25	NOV-25	DEC-25	JAN-26	FEB-26	MAR-26		
1	pH Value	8.44	7.74	8.41	7.81	7.69	7.52	5.5 – 9.0	-
2.	Total Suspended Solids	15.7	10	12.3	15.6	25.7	27.7	100	mg/l
3.	Oil & Grease	2.8	2.6	< 2.0	2.6	< 2.0	2.4	10	mg/l
4.	BOD 5days at 20^{O}C	16	16	20	12	14	15	-	mg/l
5.	COD	52.54	49.36	58.35	38.24	40.70	42.8	-	mg/l

Table No : 28

28.1 EFFLUENT WATER QUALITY RESULT OF BOILER BLOW DOWN (Line – 2)

Sl No	Parameters	Results Obtained						Unit
		OCT-25	NOV-25	DEC-25	JAN-26	FEB-26	MAR-26	
1	pH Value	9.13	7.93	6.60	8.23	9.51	9.26	-
2.	Total Suspended Solids	15.1	< 2.5	2.5	< 2.5	< 2.5	< 2.5	mg/l
3.	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	mg/l
4.	COD	14.58	49.02	22.48	24.46	58.471	19.78	mg/l
5.	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l
6.	Iron (as Fe)	0.21	0.19	0.07	0.09	0.21	0.07	mg/l

28.2 EFFLUENT WATER QUALITY RESULT OF COOLING TOWER BLOW DOWN (Line – 2)

Sl No	Parameters	Results Obtained						Unit
		OCT-25	NOV-25	DEC-25	JAN-26	FEB-26	MAR-26	
1	pH Value	7.60	7.36	8.50	8.45	8.81	8.76	-
2.	Total Suspended Solids	< 2.5	10.8	< 2.5	5.8	36.7	7.8	mg/l
3.	Oil & Grease	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	mg/l
4.	Total Nitrate (as NO_3)	9.22	24.90	13.41	7.06	18.14	7.27	mg/l
5.	Phosphate (as PO_4)	1.46	1.26	1.43	1.82	1.44	1.46	mg/l
6.	Total Chromium (as Cr)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l
7.	Zinc (as Zn)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l
8.	Residual Chlorine (as Cl_2)	< 0.10	0.18	< 0.10	< 0.01	< 0.01	< 0.01	mg/l

Table No : 29

EFFLUENT WATER QUALITY RESULT OF STP OUTLET (LINE – 2)

Sl No	Parameters	Results Obtained						Permissible Limit as per CTO Conditions	Unit
		OCT-25	NOV-25	DEC-25	JAN-26	FEB-26	MAR-26		
1	pH Value	7.60	7.10	7.23	7.42	7.37	7.50	6.5 – 9.0	-
2.	Total Suspended Solids	21.9	49.9	43.80	42.2	21.1	25.2	100	mg/l
3.	BOD 5days at 20^{O}C	23	12	28	16	20	20	30	mg/l
4.	COD	68.45	37.42	83.97	46.85	58.471	62.28	-	mg/l
5.	Fecal coliform	100	100	100	100	100	10^2	1000	mg/l

Table No : 30

EFFLUENT WATER QUALITY RESULT OF STP OUTLET (DSP UNIT)

Sl No	Parameters	Results Obtained						Permissible Limit as per CTO Conditions	Unit
		OCT-25	NOV-25	DEC-25	JAN-26	FEB-26	MAR-26		
1	pH Value	7.77	7.49	7.17	7.56	7.58	7.37	6.5 – 9.0	-
2.	Total Suspended Solids	25.2	23.8	18.0	13.0	9.3	24.2	100	mg/l
3.	BOD 5days at 20^{O}C	24	28	24	28	22	28	30	mg/l
4.	COD	74.51	86.31	76.57	84.67	67.47	91.48	-	mg/l
5.	Fecal Coliform	100	1000	100	100	10^3	10^2	1000	mg/l

Table No : 31

SOIL QUALITY RESULT FOR THE MONTH OF OCTOBER 2025

Sl. No.	Parameter	Unit	Guest House Area	Near 132KV Sub-Station Area (Line – 2)	Near ETP Area (L – 1)
1.	Colour	-	Greyish	Brownish	Brownish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Sandy Clay Loam	Silty Clay Loam	Clay Loam
4.	Bulk Density	gm/cm^3	1.63	1.8	1.3
5.	pH (1:2 Suspension)	-	7.77	8.01	7.98
6.	Electrical Conductivity	µS/cm	513	365	741
7.	Available Phosphorous (as P_2O_5)	Kg/ha	14.20	10.18	< 5.0
8.	Available Potassium (as K_2O)	Kg/ha	547.6	410.28	293.16
9.	Organic Carbon	%	3.88	3.59	0.22
10.	Organic Matter		6.69	6.19	
11.	Available Nitrogen (as N)	Kg/ha	301.06	150.53	188.16
12.	Iron	mg/kg	5.2	4.88	6.05
13.	Calcium	mg/kg	182	179	179
14.	Manganese	mg/kg	7.3	7.95	9.76
15.	Infiltration Rate	cm/hr	2.44	4.65	4.77
16.	Porosity	gm/cm^3	0.25	0.20	0.26
17.	Moisture Content	%	15.6	16.5	22.8
18.	Chloride	mg/kg	0.14	0.18	0.10
19.	Sulphate	mg/kg	0.70	0.58	0.48

Table No : 32

SOIL QUALITY RESULT FOR THE MONTH OF NOVEMBER 2025

Sl. No.	Parameter	Unit	In Front of HR Area (Line – 1)	Water Harvesting Pond (L – 2)	AFR Area, DSP Unit
1.	Colour	-	Brownish	Greyish	Brownish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Sandy Clay Loam	Silty Clay Loam	Clay Loam
4.	Bulk Density	gm/cm^3	1.63	1.2	1.3
5.	pH (1:2 Suspension)	-	8.14	7.91	7.98
6.	Electrical Conductivity	µS/cm	852	241	741
7.	Available Phosphorous (as P_2O_5)	Kg/ha	7.44	11.23	< 5.0
8.	Available Potassium (as K_2O)	Kg/ha	506.4	541.68	293.16
9.	Organic Carbon	%	1.37	3.01	0.22
10.	Organic Matter		2.36	5.19	
11.	Available Nitrogen (as N)	Kg/ha	238.34	125.44	188.16
12.	Iron	mg/kg	5.2	5.21	6.05
13.	Calcium	mg/kg	182	172	179
14.	Manganese	mg/kg	7.3	8.23	9.76
15.	Infiltration Rate	cm/hr	2.44	3.26	4.77
16.	Porosity	gm/cm^3	0.25	0.20	0.26
17.	Moisture Content	%	15.6	18.57	22.8
18.	Chloride	mg/kg	0.14	0.18	0.10
19.	Sulphate	mg/kg	0.70	0.54	0.48

Table No : 33

SOIL QUALITY RESULT FOR THE MONTH OF DECEMBER 2025

Sl. No.	Parameter	Unit	Inside Store Yard Area (Line – 1)	Konark Vihar Area	AFR Area (Line – 2)	Near New Weigh Bridge Area, DSP Unit
1.	Colour	-	Greyish	Brownish	Greyish	Brownish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Sandy Clay Loam	Silty Clay Loam	Silty Clay Loam	Silty Loam
4.	Bulk Density	gm/cm^3	1.49	1.28	1.8	1.37
5.	pH (1:2 Suspension)	-	8.56	8.49	8.71	8.89
6.	Electrical Conductivity	µS/cm	299	232	326	691
7.	Available Phosphorous (as P_2O_5)	Kg/ha	< 5.0	< 5.0	5.82	7.43
8.	Available Potassium (as K_2O)	Kg/ha	431.04	298.8	547.2	266.16
9.	Organic Carbon	%	1.3	2.10	1.11	1.51
10.	Organic Matter		2.24	3.62	1.91	2.60
11.	Available Nitrogen (as N)	Kg/ha	238.33	163.07	175.62	250.88
12.	Iron	mg/kg	4.6	5.2	5.7	7.4
13.	Calcium	mg/kg	163	176	180	184
14.	Manganese	mg/kg	4.9	7.3	6.4	6.15
15.	Infiltration Rate	cm/hr	4.29	5.44	4.65	3.54
16.	Porosity	gm/cm^3	0.31	0.25	0.20	0.28
17.	Moisture Content	%	12.8	15.6	16.5	21.7
18.	Chloride	mg/kg	0.17	0.14	0.18	0.16
19.	Sulphate	mg/kg	0.49	0.70	0.58	0.53

Table No : 34

SOIL QUALITY RESULT FOR THE MONTH OF JANUARY 2026

Sl. No.	Parameter	Unit	ETP Area (Line – 1)	132 KVA Sub-Station Area (Line – 2)	Near Liquid AFR Area, DSP Unit
1.	Colour	-	Greyish	Brownish	Greyish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Sandy Clay Loam	Silty Clay Loam	Silty Loam
4.	Bulk Density	gm/cm^3	1.63	1.78	1.3
5.	pH (1:2 Suspension)	-	7.62	7.31	8.31
6.	Electrical Conductivity	µS/cm	322	232	440
7.	Available Phosphorous (as P_2O_5)	Kg/ha	< 5.0	8.51	8.40
8.	Available Potassium (as K_2O)	Kg/ha	299.28	283.32	138
9.	Organic Carbon	%	< 0.50	< 0.50	0.67
10.	Organic Matter	%	< 0.86	< 0.86	1.15
11.	Available Nitrogen (as N)	Kg/ha	150.53	125.44	238.34
12.	Iron	mg/kg	5.1	4.86	5.20
13.	Calcium	mg/kg	180	178	178
14.	Manganese	mg/kg	7.3	7.95	9.22
15.	Infiltration Rate	cm/hr	2.44	4.65	4.25
16.	Porosity	gm/cm^3	0.25	0.20	0.18
17.	Moisture Content	%	15.6	16.5	22.58
18.	Chloride	mg/kg	0.14	0.18	0.09
19.	Sulphate	mg/kg	0.70	0.58	0.51

Table No : 35

SOIL QUALITY RESULT FOR THE MONTH OF FEBRUARY 2026

Sl. No.	Parameter	Unit	AFR Area (Line – 1)	Water Harvesting Pond (Line – 2)	AFR Area (DSP Unit)
1.	Colour	-	Brownish	Greyish	Greyish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Sandy Clay Loam	Silty Clay Loam	Silty Loam
4.	Bulk Density	gm/cm^3	1.8	1.3	1.2
5.	pH (1:2 Suspension)	-	8.05	8.02	8.00
6.	Electrical Conductivity	µS/cm	366	489	1428
7.	Available Phosphorous (as P_2O_5)	Kg/ha	6.79	7.85	14.89
8.	Available Potassium (as K_2O)	Kg/ha	394.8	381.6	679.2
9.	Organic Carbon	%	0.94	0.62	3.48
10.	Organic Matter	%	1.62	1.07	6.0
11.	Available Nitrogen (as N)	Kg/ha	188.16	125.44	200.7
12.	Iron	mg/kg	4.8	6.05	6.08
13.	Calcium	mg/kg	168	179	178
14.	Manganese	mg/kg	9.61	9.76	7.02
15.	Infiltration Rate	cm/hr	6.54	4.77	5.64
16.	Porosity	gm/cm^3	0.19	0.26	0.15
17.	Moisture Content	%	21.26	22.8	23.0
18.	Chloride	mg/kg	0.13	0.10	0.18
19.	Sulphate	mg/kg	0.62	0.48	0.71

Table No : 36

SOIL QUALITY RESULT FOR THE MONTH OF MARCH 2026

Sl. No.	Parameter	Unit	STP Area (Line – 2)	Inside Store Yard (Line – 1)	Konark Vihar Area	STP Area (DSP Unit)
1.	Colour	-	Greyish	Brownish	Brownish	Greyish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Sandy Clay Loam	Silty Clay Loam	Silty Clay Loam	Silty Loam
4.	Bulk Density	gm/cm^3	1.6	1.5	1.4	1.3
5.	pH (1:2 Suspension)	-	7.97	8.20	8.08	8.22
6.	Electrical Conductivity	µS/cm	1952	384	284	350
7.	Available Phosphorous (as P_2O_5)	Kg/ha	13.88	< 5.0	< 5.0	< 5.0
8.	Available Potassium (as K_2O)	Kg/ha	960.12	434.76	240.84	254.16
9.	Organic Carbon	%	1.28	0.68	0.75	0.69
10.	Organic Matter	%	2.21	1.17	1.29	1.19
11.	Available Nitrogen (as N)	Kg/ha	313.6	250.88	137.98	137.98
12.	Iron	mg/kg	5.03	6.15	6.02	6.28
13.	Calcium	mg/kg	165	182	173	176
14.	Manganese	mg/kg	8.62	9.75	8.72	7.12
15.	Infiltration Rate	cm/hr	6.56	3.72	4.76	5.52
16.	Porosity	gm/cm^3	0.17	0.28	0.25	0.16
17.	Moisture Content	%	21.25	21.4	21.4	24.0
18.	Chloride	mg/kg	0.14	0.12	0.10	0.17
19.	Sulphate	mg/kg	0.63	0.42	0.44	0.64

Table No: : 37

NOISE LEVEL MONITORING DATA

From 01.10.2025 to 31.03.2026

Month	Location	Leq dB(A) Day Time	Leq dB(A) Night Time
Oct	Konark Vihar Area	49.6	53.7
	Guest House Area	49.4	55.2
	Main Gate Canteen Area (Line – 1)	54.6	50.9
	B. G Loco Gate Area (Line – 1)	60.0	57.4
	Lime Stone TT Point Area (Line – 2)	–	–
	CPP Area (Line – 2)	–	–
	STP Area (DSP Unit)	51.0	50.7
	AFR Storage Area (DSP Unit)	49.9	47.3
Nov	Konark Vihar Area	47.1	47.2
	Guest House Area	51.2	45.3
	General Store Area (Line – 1)	59.9	57.9
	Refractory Main Gate Area (Line – 1)	57.5	56.9
	CCR Building Area (Line – 2)	–	–
	Workshop Area (Line – 2)	–	–
	General Store Area (DSP Unit)	60.3	57.9
	Project Gate Area (DSP Unit)	58.0	55.1

Month	Location	Leq dB(A) Day Time	Leq dB(A) Night Time
Dec	Konark Vihar Area	38.8	34.9
	Guest House Area	51.8	45.2
	Near Main Gate Canteen Area (Line – 1)	51.9	47.5
	B. G Loco Gate Area (Line – 1)	61.1	52.6
	CPP Area (Line – 2)	–	–
	Transfer Tower – 4 Area (Line – 2)	–	–
	AFR Storage Area (DSP Unit)	61.6	55.7
	STP Area (DSP Unit)	65.1	63.8
Jan	Konark Vihar Area	40.4	34.3
	Guest House Area	59.3	57.3
	CCR Building Area (Line – 2)	70.3	70.3
	Workshop Area (Line – 2)	54.9	54.4
	Guest House Area (Line – 2)	–	–
	Refractory Main Gate Area (Line – 1)	–	–
	General Store Area (DSP Unit)	52.3	48.3
	Project Gate Area (DSP Unit)	56.6	60.6
Feb	Konark Vihar Area	41.3	41.6
	Guest House Area	44.2	40.8
	Near Main Gate Canteen Area (Line – 1)	54.8	52.3
	B. G Loco Gate Area (Line – 1)	59.6	56.6
	Guest House Area (Line – 2)	–	–
	CPP DM Plant Area (Line – 2)	–	–
	General Store Area (DSP Unit)	61.3	60.5
	Project Gate Area (DSP Unit)	58.1	58.9
Mar	Konark Vihar Area	42.8	40.5
	Guest House Area	53.6	51.6
	General Store Area (Line – 1)	61.2	60.0
	Refractory Main Gate Area	61.4	59.4
	CCR Building Area (Line – 2)	–	–
	Workshop Area (Line – 2)	–	–
	General Store Area (DSP Unit)	65.5	65.3
	Project Gate Area (DSP Unit)	60.0	59.2

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