Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	IA/OR/IND/59484/2016
Compliance ID	138524247
Compliance Number(For Tracking)	EC/M/COMPLIANCE/138524247/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	28-10-2025
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!

DDSP/MOEFCC/001/2025-26/120
October 24, 2025.

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 Dalmia DSP unit of M/s Dalmia Cement Bharat Limited, At/Po. – Rajgangpur, Dist.- Sundargarh, Odisha for the period April 2025 to September 2025.**

Ref: Environmental Clearance vide File No. J-11011/232/2016- 1A II (I) dated 16.02.2018.

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 Dalmia DSP unit of M/s Dalmia Cement Bharat Limited, At/Po. – Rajgangpur, Dist. – Sundargarh, Odisha for the period April 2025 to September 2025.

Thanking you,

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

Akmishra.

Ashok Kumar Mishra
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
2025
01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	Proposed Cement Plant (Dalmia DSP Unit) - Clinker 3.0 MTPA, Cement 2.25 MTPA, WHRS (15 MW) and DG Set (1000 KVA) by Dalmia Cement Bharat Limited at Village & Tehsil - Rajgangpur, District - Sundargarh, Odisha.
Name of Entity / Corporate Office	Dalmia Cement (Bharat) Limited
Village(s)	N/A
District	SUNDARGARH

Proposal No.	IA/OR/IND/59484/2016
Plot / Survey / Khasra No.	N/A
State	ODISHA
MoEF File No.	J-11011/232/2016-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 2025

Remarks (if any)

Reporting Period 01 Dec(01 Apr - 30 Sep)

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	0.020
Revenue Land	39.27	46.207
Forest	0	0
Others	0	0
Total	39.27	46.227000000000004

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	3000000	2508368	3900000
2	WHRB	MW	31/03/2028	15	90971	15

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Corporate Environmental Responsibility	1. An amount of Rs 46.00 Crores proposed towards Enterprise Social Commitment (ESC) shall be utilized as capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion and estimated on the basis of Scheduled Rates.
PPs Submission: Being Complied The amount earmarked for social commitments has been utilized as capital expenditure on health, education, livelihood and skill development initiatives.		Date: 25/10/2025
2	GREENBELT	Green belt shall be developed in 12.95 Ha equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant. The plantation shall be completed within one year form the date of issue of EC. In addition to this 1500 additional plants shall be planted within the premises.
PPs Submission: Being Complied Green cover has been developed in and around the plant premises. We have planted around 2750 saplings in this year till September 2025.		Date: 25/10/2025
3	WASTE MANAGEMENT	4. Kitchen waste shall be composted or convened to biogas for further use.
PPs Submission: Complied Mechanical bio-digester has been installed for composting of food and kitchen wastes which is further used as organic manure in horticulture.		Date: 25/10/2025
4	ENERGY PRESERVATION MEASURES	5. The project proponent shall adopt the slip power recovery system for energy conservation.
PPs Submission: Complied Slip power recovery system is in place for energy conservation.		Date: 25/10/2025
5	MISCELLANEOUS	Detailed study of the fauna in the study area shall be carried out within one year. If Schedule-I species are found, then conservation plan for Schedule-I species be prepared and implemented in consultation with state forest department. The PP shall provide necessary financial resources for implementation of the plan.
PPs Submission: Complied No Schedule I species found within the project area.		Date: 25/10/2025
6	WATER QUALITY MONITORING AND PRESERVATION	No ground water shall be used for plant & township
PPs Submission: Complied Ground water is not used in the plant or township.		Date: 25/10/2025
7	MISCELLANEOUS	3. The Capital cost Rs. 95.00 Crores and annual recurring cost Rs. 5.00 Crores towards the environmental protection measures shall be

		earmarked separately. The funds so provided shall not be diverted for any other purpose.

PPs Submission: Complied The funds have been utilized for environmental protection and has not been diverted for any other purpose.	Date: 25/10/2025

General Conditions

Sr.No.	Condition Type	Condition Details
1	AIR QUALITY MONITORING AND PRESERVATION	c. Carryout Continuous Ambient Air Quality monitoring as per National Ambient Air Quality Standards issued by the Ministry vide G.S.R.No. 826(E) dated I6th November 2009 (as amended from time to time) within and outside the plant area at least at four locations covering upwind and downwind directions at an angle of 120 degree each; and

PPs Submission: Complied Total of 5 nos. CAAQMS Stations have been installed within and outside the plant premises.	Date: 25/10/2025

2	AIR QUALITY MONITORING AND PRESERVATION	a. Install 24x7 continuous emission monitoring system at all the stacks to monitor stack emission with respect to parameters prescribed in G.S.R. No. 612 (E) dated 25th August, 2014 and subsequent amendment dated 10th May, 2016 from time to time; S..O. 3305 (E) dated 7th December 2015 for thermal power plants as amended from time to time and connected to CPCB online;

PPs Submission: Complied Continuous Emission Monitoring System (CEMS) have been installed in all process stacks of our plant and are connected to the Board server and data being transmitted uninterruptedly.	Date: 25/10/2025

3	AIR QUALITY MONITORING AND PRESERVATION	b. Monitor fugitive emissions in the plant premises;

PPs Submission: Complied Fugitive emissions are being regularly monitored within plant premises. Report attached.	Date: 25/10/2025

4	AIR QUALITY MONITORING AND PRESERVATION	d. Submit monitoring report to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

PPs Submission: Complied Six monthly compliance report along with monitored results are submitted to the statutory bodies periodically. The Monitoring Report attached.The last report was submitted on 29.04.2025.	Date: 25/10/2025

5	WATER QUALITY MONITORING AND PRESERVATION	b) submit monitoring report to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

PPs Submission: Complied Six monthly compliance report along with monitored data are submitted to statutory bodies periodically. The last report was submitted on 29.04.2025.	Date: 25/10/2025

6	AIR QUALITY MONITORING AND PRESERVATION	a) Provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources;

PPs Submission: Complied Auxillary Bag filters, Bag houses and dust suppression systems have been installed at major dust generating points including transfer towers.		Date: 25/10/2025
7	AIR QUALITY MONITORING AND PRESERVATION	b) Design suitable capacity of bag filters to handle gas/air shall be 150% of the normal flow from process/ from suction hoods to achieve particulate emission to less than 30 mg/N m3.
PPs Submission: Complied Bag filters have been adequately designed and installed to control the PM emissions below 30 mg/Nm3.		Date: 25/10/2025
8	AIR QUALITY MONITORING AND PRESERVATION	c) Provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags:
PPs Submission: Complied Major Bag Houses are provided with leakage detection and mechanized bag cleaning facilities.		Date: 25/10/2025
9	AIR QUALITY MONITORING AND PRESERVATION	d) Provide pollution control system in the cement plant as per the CREP Guidelines of CPCB;
PPs Submission: Complied Pollution control measures as recommended in CREP guidelines for Cement Plant are being adhered to.		Date: 25/10/2025
10	AIR QUALITY MONITORING AND PRESERVATION	e) Provide sufficient number of mobile or stationery vacuum cleaners to clean plant roads, shop floors, roofs regularly;
PPs Submission: Complied 2 nos. of mechanized sweeping machines and one no. of heavy-duty mechanical road sweeper have been deployed to clean the roads and shop floors.		Date: 25/10/2025
11	AIR QUALITY MONITORING AND PRESERVATION	f) Recycle and reuse lime fines. coal fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after agglomeration;
PPs Submission: Complied Lime and coal fines collected in the pollution control devices are recycled and reused to the maximum extent possible.		Date: 25/10/2025
12	AIR QUALITY MONITORING AND PRESERVATION	g) Use leak proof trucks/dumpers for carrying coal and other raw materials and shall cover them with tarpaulin. Use closed bulkers for carrying fly ash;
PPs Submission: Complied Tarpaulin covered trucks are used for carrying raw materials. Closed bulkers and railway rakes are used for fly ash transportation.		Date: 25/10/2025
13	AIR QUALITY MONITORING AND PRESERVATION	h) Provide wind shelter fence and chemical spraying on the raw material stock piles:
PPs Submission: Complied Wind barriers have been provided near raw material stock piles along with green cover.		Date: 25/10/2025

14	AIR QUALITY MONITORING AND PRESERVATION	i) Provide Low NOx burners to control NOx emissions. Regular calibration of the instruments must be ensured. If needed. NOx will be controlled by using SCR/NSCR technologies:

PPs Submission: Complied Low NOx burners have been installed to control NOx emissions.	Date: 25/10/2025

15	AIR QUALITY MONITORING AND PRESERVATION	j) Have separate truck parking area and monitor vehicular emissions at regular interval.

PPs Submission: Complied A dedicated truck parking area has been provided and vehicular emissions are monitored periodically.	Date: 25/10/2025

16	WATER QUALITY MONITORING AND PRESERVATION	a) Adhere to “zero liquid discharge”;

PPs Submission: Being Complied Cement manufacturing is a dry process, and zero liquid discharge is being adhered to except monsoon/surface run off.	Date: 25/10/2025

17	WATER QUALITY MONITORING AND PRESERVATION	b) Provide Sewage Treatment Plant for domestic wastewater

PPs Submission: Complied Domestic wastewater is treated in Sewage Treatment Plant.	Date: 25/10/2025

18	WATER QUALITY MONITORING AND PRESERVATION	c) Provide garland drains and collection pits for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.

PPs Submission: Complied Garland drains with collection pits are provided at stockpile area.	Date: 25/10/2025

19	WATER QUALITY MONITORING AND PRESERVATION	a) Practice rainwater harvesting to maximum possible extent;

PPs Submission: Being Complied Roof top rainwater harvesting systems have been installed.	Date: 25/10/2025

20	WATER QUALITY MONITORING AND PRESERVATION	b) Provide water meters at the inlet to all unit processes in the cement plants:

PPs Submission: Complied Water meters are in place at the inlet to all unit processes in the plant.	Date: 25/10/2025

21	WATER QUALITY MONITORING AND PRESERVATION	c) Make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

PPs Submission: Complied	Date:

Water conservation efforts are practised to minimize the freshwater consumption by maximizing the use of recycled water.		25/10/2025
22	ENERGY PRESERVATION MEASURES	6 (a) provide Waste heat recovery system for kiln and cooler;
PPs Submission: Complied A 15 MW Green Power plant has been installed having waste heat recovery system for kiln and cooler.		Date: 25/10/2025
23	ENERGY PRESERVATION MEASURES	6 (b) make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker;
PPs Submission: Being Complied Efforts are being made to lower the power and thermal energy consumption within the stipulated norms.		Date: 25/10/2025
24	ENERGY PRESERVATION MEASURES	6 (c) provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights. parking around project area and maintain the same regularly;
PPs Submission: Complied 1.732 MW Solar power system has been installed.		Date: 25/10/2025
25	ENERGY PRESERVATION MEASURES	6 (d) provide the project proponent for LED lights in their offices and residential areas:
PPs Submission: Complied LED lights are used in offices as well as residential areas.		Date: 25/10/2025
26	ENERGY PRESERVATION MEASURES	6 (e) maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards;
PPs Submission: Complied Maximum utilization of fly ash as well as slag is done in the cement blend.		Date: 25/10/2025
27	ENERGY PRESERVATION MEASURES	6 (f) maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
PPs Submission: Complied Co-processing of Hazardous wastes as alternate fuels and raw mix is carried out.		Date: 25/10/2025
28	Human Health Environment	7. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
PPs Submission: Complied Raw material from our captive mines to the cement plant is transported through cross-country closed belt conveyor (CCBC).		Date: 25/10/2025
29	WASTE MANAGEMENT	8. Used refractories shall be recycled as far as possible.
PPs Submission: Complied		Date:

Used refractories are recycled to the maximum extent possible.			25/10/2025
30	GREENBELT	9. The PP shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.	
PPs Submission: Being Complied GHG emissions are monitored and tracked on regular basis and RDF as alternate fuel is being used to the maximum extent to reduce the fuel consumption. Plantation is carried out on a regular basis.			Date: 25/10/2025
31	Risk Mitigation and Disaster Management	10. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	
PPs Submission: Complied Emergency Preparedness Plan based on HIRA and DMP is implemented at site along with mock drills conducted at regular intervals to check the effectiveness of the same.			Date: 28/10/2025
32	Human Health Environment	11. The PP shall Carry-out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	
PPs Submission: Complied PPEs have been made mandatory job specific and heat stress analysis carried out for workmen working in high temperature zone.			Date: 25/10/2025
33	Statutory compliance	12. The PP shall adhere to the corporate environmental policy and system of the reporting of any infringements/ non-compliance of EC conditions at least once in a year to the Board of Directors and the copy of the board resolution shall be submitted to the MoEF&CC as a part of six-monthly report.	
PPs Submission: Complied Environment Policy is in place and non-compliances are reviewed at Board of Directors level periodically			Date: 28/10/2025
34	Corporate Environmental Responsibility	13. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.	
PPs Submission: Complied All recommendations made in the CREP guidelines for Cement Plant are being adhered to.			Date: 25/10/2025
35	Statutory compliance	14. A dedicated environmental cell with qualified personnel shall be established. The head of the environment cell shall report directly to the head of the organization.	
PPs Submission: Complied An Environmental Cell is in place with Head of Cell directly reporting to the Unit Head.			Date: 25/10/2025
36	Human Health Environment	15. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking. mobile toilets, mobile STP, Safe drinking water. medical health care. creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	

PPs Submission: Complied Necessary basic infrastructure was provided to workers and labour during the construction phase.		Date: 25/10/2025
37	Statutory compliance	16. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
PPs Submission: Complied Noted and will be adhered to from time to time.		Date: 25/10/2025
38	Statutory compliance	17. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment. Forests and Climate Change (MoEF&CC).
PPs Submission: Complied Noted and no expansion/modification will be carried out without obtaining prior approval from the Ministry.		Date: 25/10/2025
39	WASTE MANAGEMENT	18. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
PPs Submission: Complied Waste Oil, Grease and other Hazardous wastes are handled and disposed off as per HOWM Rules 2016 and amendments thereof. Further all other wastes are disposed to EPR registered recyclers.		Date: 28/10/2025
40	Risk Mitigation and Disaster Management	19. The storage of NH3 and other hazardous chemicals at the site shall be as per the provisions of Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended from time to time.
PPs Submission: Complied Noted. NH3 and other Hazardous Chemicals are being stored properly in designated and earmarked areas as per storage rules.		Date: 25/10/2025
41	Noise Monitoring & Prevention	20. The ambient noise levels should conform to the standards prescribed under EPA Rules. 1989 viz. 75 dB(A) during day time and 70 dB(A) during night time.
PPs Submission: Complied The ambient noise levels monitored are well within the stipulated norms. Report attached.		Date: 25/10/2025
42	Human Health Environment	21. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
PPs Submission: Complied The health surveillance of the workers as well as executives is done periodically, and records are maintained.		Date: 25/10/2025
43	MISCELLANEOUS	22. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
PPs Submission: Complied All environment protection measures and safeguards as recommended in EIA/EMP report have been implemented.		Date: 25/10/2025
44	Human Health Environment	23. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging

		plants.
PPs Submission: Complied Ventilation system has been designed for adequate air changes in all tunnels, motor houses, cement bagging plants.		Date: 25/10/2025
45	WASTE MANAGEMENT	24. Sufficient number of colour coded waste collection bins shall be constructed at shop floors in each hop to systematically segregate and store waste materials generated at the shop floors (other than Process waste) in designated colored bins for value addition by promoting reuse of such wastes and for good housekeeping.
PPs Submission: Complied Wastes other than process wastes collected from shop floors are segregated and stored in colour coded bins. Housekeeping is done on a regular basis.		Date: 25/10/2025
46	Statutory compliance	25 (a) send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government:
PPs Submission: Complied Copies of the Environmental Clearance were submitted to heads of local bodies and relevant Govt. Offices.		Date: 25/10/2025
47	Statutory compliance	25 (b) put on the clearance letter on the web site of the company for access to the Public.
PPs Submission: Complied Environmental Clearance Letter has been uploaded and made available on company website.		Date: 25/10/2025
48	Statutory compliance	25 (c) inform the public through advertisement within seven days from the date of issue 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 that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment. Forests and Climate Change (MoEF&CC) at http:/envfor.nic.in.
PPs Submission: Complied The grant of Environmental Clearance to the project was advertised in two local newspaper i.e. Odisha Today and Manthan dated 22.02.2018		Date: 28/10/2025
49	Statutory compliance	25 (d) upload the status of compliance of the stipulated environment clearance conditions. including results of monitored data on their website and update the same periodically
PPs Submission: Complied Status on compliance of EC conditions along with the environment monitoring data are uploaded periodically.		Date: 25/10/2025
50	Statutory compliance	25 (e) monitor the criteria pollutants Level namely PM10, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company;
PPs Submission: Complied Stack emissions as well as ambient air quality are monitored and results displayed in public as well		Date:

as uploaded on company website.		25/10/2025
51	Statutory compliance	25 (f) submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB:
PPs Submission: Complied Six monthly compliance reports including environment monitoring data are submitted to the statutory bodies. The last report was submitted on 29.04.2025.		Date: 25/10/2025
52	Statutory compliance	25 (g) submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules. 1986, as amended subsequently and put on the website of the company;
PPs Submission: Complied Environmental Statement in Form V has been submitted to OSPCB on 18.09.2025. The same is uploaded periodically on company website		Date: 28/10/2025
53	Statutory compliance	25 (h) 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 Project executed in October 2018. We have obtained consent to establish (CTE) and consent to operate (CTO) from State Pollution Control Board, Odisha for the commencement of operation since December 2019		Date: 28/10/2025
54	MISCELLANEOUS	26. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Complied complied.		Date: 25/10/2025
55	MISCELLANEOUS	27. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
PPs Submission: Complied Noted and will be complied if any from time to time.		Date: 25/10/2025
56	PUBLIC HEARING	28. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the EAC. The commitment made by the project proponent to the issue raised during Public Hearing shall be implemented by the proponent.
PPs Submission: Being Complied All commitments and recommendations made in the EIA/EMP report are being implemented.		Date: 25/10/2025
57	MISCELLANEOUS	29. The above conditions shall be enforced. inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act. 1974, the Air (Prevention & Control of Pollution) Act,1981. the Environment (Protection) Act. 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the

		Public Liability Insurance Act, 1991 along with their amendments and rules.

PPs Submission: Complied Noted.	Date: 25/10/2025

58	MISCELLANEOUS	30. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act. 2010.

PPs Submission: Complied Noted.	Date: 25/10/2025

59	WATER QUALITY MONITORING AND PRESERVATION	2 (a) Install 24x7 continuous effluents monitoring system at all the discharge points to monitor treated effluents with respect to parameters prescribed in G.S.R. No. 612 (E) dated 25th August. 2014 and subsequent amendment dated 9th May, 2016 and 10th May 2016 as amended from time to time; S.O.3305 (E) dated 7th December 2015 for thermal power plants as amended from time to time as amended from time to time;

PPs Submission: Complied Cement manufacturing being a dry process, no such effluent is generated and wastewater generated is recycled back in the cooling circuit and also used for dust suppression on the roads as well as raw material stock piles.	Date: 25/10/2025

Visit Remarks

Last Site Visit Report Date:	N/A
Additional Remarks:	The detailed environment monitoring report for the period of April 2025 to September 2025 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.

Cleenviron Private Limited

Consultant and Engineers in Environmental Pollution Control & Monitoring with NABL Accredited Laboratory.

TC - 15932

TEST REPORT FOR FUGITIVE DUST EMISSION MONITORING

FORMAT NO: CPL/FM/59

ULR NO-TC159322500000l867F
REPORT NO: CPL/R/FG/OCT-25/9

REPORT ISSUE DATE: 03.10.2025

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer	:	**M/s DALMIA CEMENT BHARAT LIMITED**
Address of the Customer	:	At/Po: Rajgangpur – 770017, Dist: Sundargarh, Odisha
Sampling Method	:	IS: 5182 (Part – 4)
Unit	:	DSP Unit

Sample ID No	:	**CPL/FG/SEPT-25/155**	**CPL/FG/SEPT-25/139**
Station No	:	F5	F6
Date of Sampling	:	19.09.2025	09.09.2025
Sampling Period	:	09:59 – 14:10 Hrs	10:15 – 14:40 Hrs
Time of Sampling	:	04:11 Hrs	04:25 Hrs
Sample Received on	:	20.09.2025	12.09.2025
Date of Test	:	22.09.2025	13.09.2025

Sl No	Station No	Location of Sampling	TSPM in µg/m³
1.	F5	RM Hopper Area	1455
2.	F6	Truck Tippler Area	867

Reviewed By
Priyambada Nina
Manager Technical

CLEENVIRON PRIVATE LIMITED ROURKELA

Authorized Signatory
Subhanga Praharaj
Managing Director

*****END OF TEST REPORT*****

Registered Office:
D/318, KOELNAGAR, ROURKELA – 769014, Dist: SUNDARGARH, ODISHA

Office & Laboratory:
PLOT NO: 689/17, INDUSTRIAL ESTATE, KALUNGA – 770031, ROURKELA,
Dist: SUNDARGARH, ODISHA

Tele: 0661 – 2475746, email: cleenviron@gmail.com

Dalmia cement
FUTURE TODAY

cement! sugar! refractories! power!

ENVIRONMENT POLICY

Dalmia Cement Bharat Limited (DCBL), one of the leading cement producers of India, is committed to a clean, safe, healthy, and sustainable environment as an integral part of its business philosophy and core values, and we shall operate our facilities in an eco-friendly and responsible manner. DCBL, Rajgangpur shall promote self-regulation and its commitment to environmental protection in and around its plants and mines will be achieved by:

- Abiding with all the legal and other requirements of applicable environmental laws and regulations and striving to exceed beyond compliance.
- Conserving the natural resources by improving the efficiency and reducing the wastes by promoting 3 R - Reduce, Recycle and Reuse.
- Contributing towards mitigation of climate change by progressively investing and adopting cleaner and energy efficient technologies, reduction in greenhouse gas emissions, enhancing use of green energy and recycled wastes.
- Seeking opportunities to protect and restore biodiversity in and around our sites by enhancing the green cover.
- Protecting the environment by adopting best environmental practices for control and prevention of pollution from all its activities.
- Training and creating awareness among the employees and business partners on environmental systems, procedures and best practices for commitment and responsibility towards environment protection through capacity building.
- Engaging with all the stakeholders to promote environmentally responsible behaviour and work on issues related with sustainable development.

Date: 1st January 2024

Chetan Shrivastav
Executive Director and Unit Head, Rajgangpur

Cleenviron Private Limited

Consultant and Engineers in Environmental Pollution Control & Monitoring with NABL Accredited Laboratory.

TC - 15932

TEST REPORT FOR AMBIENT NOISE LEVEL MONITORING

FORMAT NO: CPL/FM/62

ULR NO: TC159322500000825F
REPORT NO: CPL/R/N/OCT-25/11

REPORT ISSUE DATE: 03.10.2025

MONITORING DONE BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s DALMIA CEMENT BHARAT LIMITED**
Address of the Customer : At/Po: RAJGANGPUR – 770017, DIST: SUNDARGARH, ODISHA

Station No	:	N8				N7			
Sample ID	:	CPL/N/SEPT-25/39				CPL/N/SEPT-25/40			
Date of Monitoring	:	23.09.2025 – 24.09.2025				24.09.2025 – 25.09.2025			
Location of Monitoring	:	Project Gate (DSP Unit)				General Store Area (DSP Unit)			
Coordinate	:	Lat: 22.199077°N, Long: 84.57915°E				Lat: 22.199996°N, Long: 84.575934°E			
Monitoring Started at	:	13:16 Hrs				13:05 Hrs			
Monitoring Ended at	:	12:56 Hrs				10:20 Hrs			
Duration of Monitoring	:	23:40 Hrs				21:15 Hrs			
Category of Area/Zone	:	Industrial				Industrial			
Time Integration	:	1 minute				1 minute			
Frequency Weighting	:	'A'				'A'			
Time Weighting	:	Slow				Slow			
Surrounding Source of Noise	:	-				-			
SLM Used for Monitoring	:	SLM – 128, UNIVERSAL				SLM – 128, UNIVERSAL			
Instrument ID	:	CPL/SLM/04				CPL/SLM/04			
Date of Calibration	:	18.12.2024				18.12.2024			
Methodology of Monitoring	:	IS 9989:1981, RA 2014				IS 9989:1981, RA 2014			
Environment Conditions (Weather)	:	Cloudy	Temp. (°C) : 30.0	WS (m/s) : 1.0	RH (%) : 95.4	Cloudy	Temp. (°C) : 27.6	WS (m/s) : 0.9	RH (%) : 96.2

SL NO	STATION NO	L_{eq} DAY TIME (6:00AM – 10:00PM) dB(A)	L_{eq} NIGHT TIME (10:00PM – 06:00AM) dB(A)	L_{max} dB(A)	L_{min} dB(A)
1.	N8	60.7	59.4	70.5	58.2
2.	N7	57.4	58.6	79.0	49.1

Note: Leq, Lmax & Lmin values are calculated based on the 1minute logging interval Sound Pressure Level data recorded for duration of monitoring mentioned above.

Monitoring Done By

CLEENVIRON PRIVATE LIMITED ROURKELA

Authorized Signatory
Subhanga Praharaj
Managing Director

AMBIENT AIR QUALITY STANDARDS IN RESPECT OF NOISE AS PER CPCB

Area Code	Category of Area/Zone	Limits in dB (A) Leq.	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

*****END OF TEST REPORT*****

Registered Office:
D/318, KOELNAGAR, ROURKELA – 769014, Dist: SUNDARGARH, ODISHA

Office & Laboratory:
PLOT NO: 689/17, INDUSTRIAL ESTATE, KALUNGA – 770031, ROURKELA,
Dist: SUNDARGARH, ODISHA

OCL INDIA LIMITED

Rajgangpur-770017 (Odisha)

PUBLIC NOTICE

Please take notice that the Ministry of Environment, Forests and Climate Change (MoEF&CC), Govt of India, New Delhi has accorded Environment Clearance vide their letter No. J-11011/232/2016-IA-II(I) dated 16th February, 2018 for proposed Cement plant (Dalmia DSP Unit)- Clinker (3.0 MTPA), Cement (2.25MTPA), WHRS (10MW) and D.G. Set (1000KVA) of OCL India Limited located at Village and Tehsil Rajgangpur, District Sundergarh, Odisha.

Copies of clearance letter are available with the State Pollution Control Board and may also be seen atwebsite of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at http: envfor.nic.in.

Whole Time Director

ଓସିଏଲ୍ ଇଣ୍ଡିଆ ଲିମିଟେଡ

ରାଜଗାଙ୍ଗପୁର-୭୭୦୦୧୭ (ଓଡ଼ିଶା)

ସର୍ବସାଧାରଣଙ୍କ ଜ୍ଞାତାର୍ଥେ ଏହା ଜଣାଇ ଦିଆଯାଉଛି ଯେ ଓଡ଼ିଶାର ସୁନ୍ଦରଗଡ଼ ଜିଲ୍ଲାର ଗ୍ରାମ ଏବଂ ତହସିଲ ରାଜଗାଙ୍ଗପୁର ଅନ୍ତର୍ଗତ ଓସିଏଲ୍ ଇଣ୍ଡିଆ ଲିମିଟେଡର ପ୍ରସ୍ତାବିତ ନୂତନ ସିମେଣ୍ଟ କାରଖାନା ୟୁନିଟ (ଡାଲମିଆ ଡିଏସ୍‌ପି ୟୁନିଟ) କ୍ଲିଙ୍କର (ବାର୍ଷିକ ୩.୦ ମିଲିୟନ ଟନ), ସିମେଣ୍ଟ (ବାର୍ଷିକ ୨.୨୫ ମିଲିୟନ ଟନ) ଡବ୍ଲୁଏଚଆରଏସ (୧୦ ମେଗା ୱାଟ) ଏବଂ ଡିଜି ସେଟ୍ (ବାର୍ଷିକ ୧୦୦୦ କେଭିଏ) - ସ୍ଥାପନ କରାଯିବା ଉଦ୍ଦେଶ୍ୟରେ ଭାରତ ସରକାରଙ୍କ ପରିବେଶ, ଜଙ୍ଗଲ ଏବଂ ଜଳବାୟୁ ପରିବର୍ତ୍ତନ ମନ୍ତ୍ରଣାଳୟ ପକ୍ଷରୁ ଚିଠି ନମ୍ବର ଜେ-୧୧୦୧୧/୨୩୨/୨୦୧୬-IA-II(I) ତା ୧୬.୦୨.୨୦୧୮ ଦ୍ୱାରା ପରିବେଶ ଛାଡ଼ପତ୍ର ଅନୁମତି ପ୍ରଦାନ କରାଯାଇଛି । ଏହି ଅନୁମତି ସମ୍ବଳିତ ଚିଠିର ନକଲମାନ ରାଜ୍ୟ ପ୍ରଦୂଷଣ ନିୟନ୍ତ୍ରଣ ବୋର୍ଡ ନିକଟରେ ଉପଲବ୍ଧ ଅଛି । ଏହାବ୍ୟତୀତ ପରିବେଶ, ଜଙ୍ଗଲ ଏବଂ ଜଳବାୟୁ ପରିବର୍ତ୍ତନ ମନ୍ତ୍ରଣାଳୟର ୱେବସାଇଟ୍ http://envfor.nic.in ଠିକଣାରେ ମଧ୍ୟ ଏହା ଅବଗତ ହୋଇପାରିବ ।

ହୋଲଟାଇମ ଡାଇରେକ୍ଟର

ENVIRONMENTAL MONITORING REPORT

BASED ON DATA GENERATED

FROM

APRIL – SEPTEMBER 2025

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 April to 30th September all total 4392 no. of data are recorded by the instrument and after interpretation of the collected data it was found that Calm condition prevailed over 0.96%, while considering the 24 hourly data. 1.09% calm condition prevailed from morning 6 hrs to 14hrs for the entire study period, 0.85% calm condition prevailed from 14hrs to 22hrs and 1.21% calm condition prevailed from 22hrs to 06hrs. The predominant wind directions were from SE with average wind speed 4.00 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 two parts as the study period was covering summer as well as monsoon seasons. The Minimum temperature during the summer season was found to be 20.52°C and the Maximum temperature was found to be 43.92°C up to the end of 30th June.

The minimum and maximum temperature during the monsoon season i.e. from July to September was found to be 23.26°C and 35.93°C. **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 April to 30th September was observed to be 1202.2 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 April – September 2025
1	Predominant Wind Direction	From SE
2	Calm Condition %	0.96%
3	Average Wind Speed m/sec	4.00
4	Temperature °C	
	Summer Season	
	Minimum	20.52
	Maximum	43.92
	Monsoon Season	
	Minimum	23.26
	Maximum	35.93
5	**Rain Fall in mm**	
	April	17.2
	May	128.6
	June	271.6
	July	432.2
	August	208.4
	September	144.2
	Total	**1202.2**

Figure No: 1.1 **Wind Rose Diagram for 24 Hours**

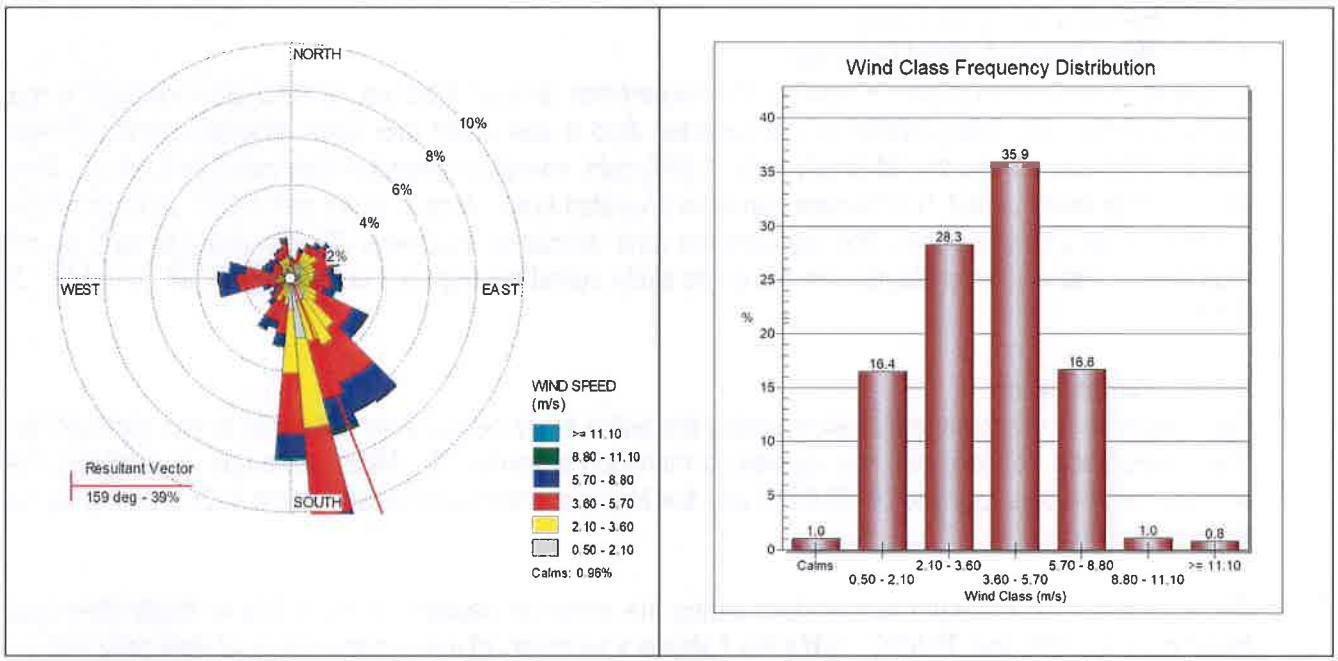

Figure No: 1.2 **Wind Rose Diagram from 06 – 14 Hours**

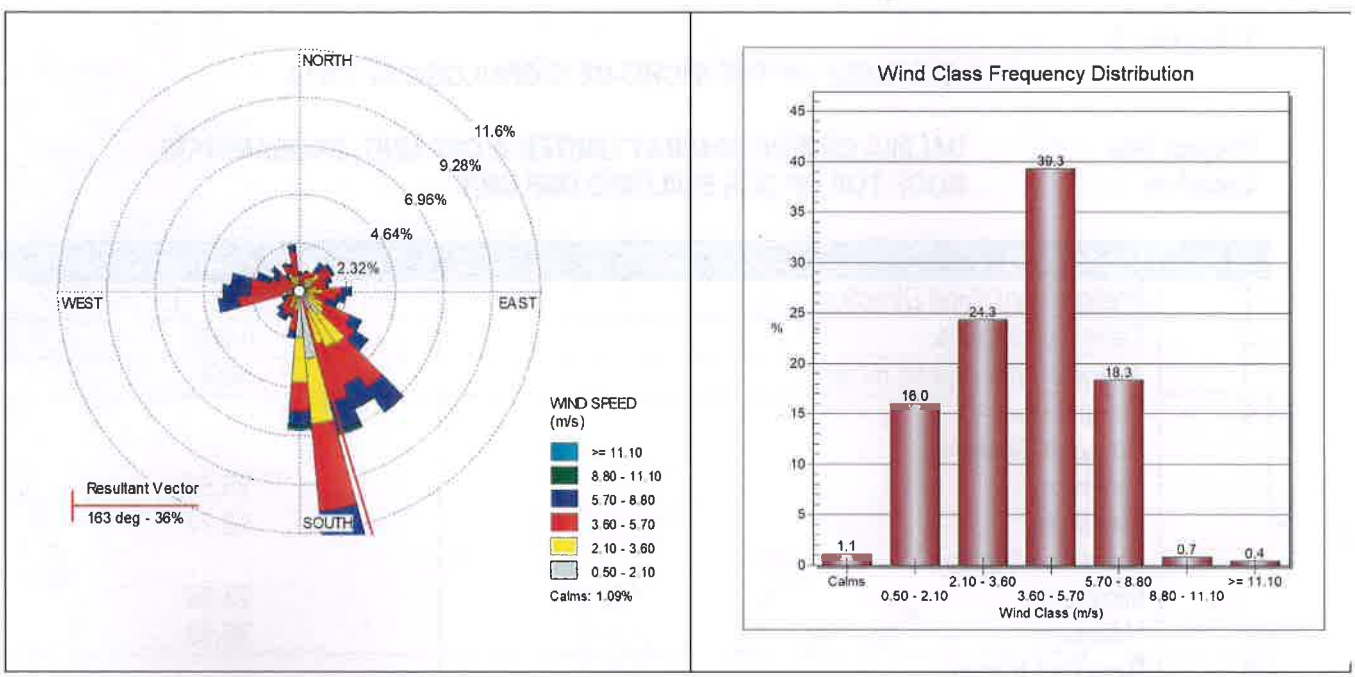

Figure No: 1.3 **Wind Rose Diagram from 14 – 22 Hours**

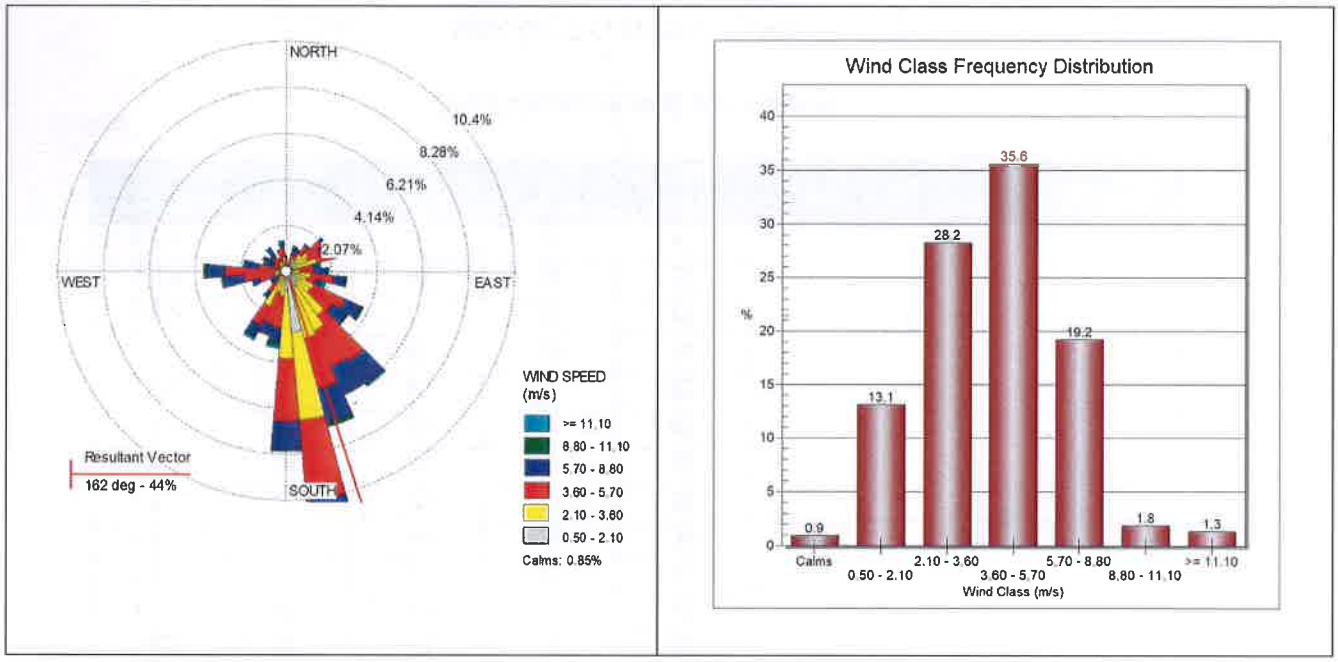

Figure No: 1.4 **Wind Rose Diagram from 22 – 06 Hours**

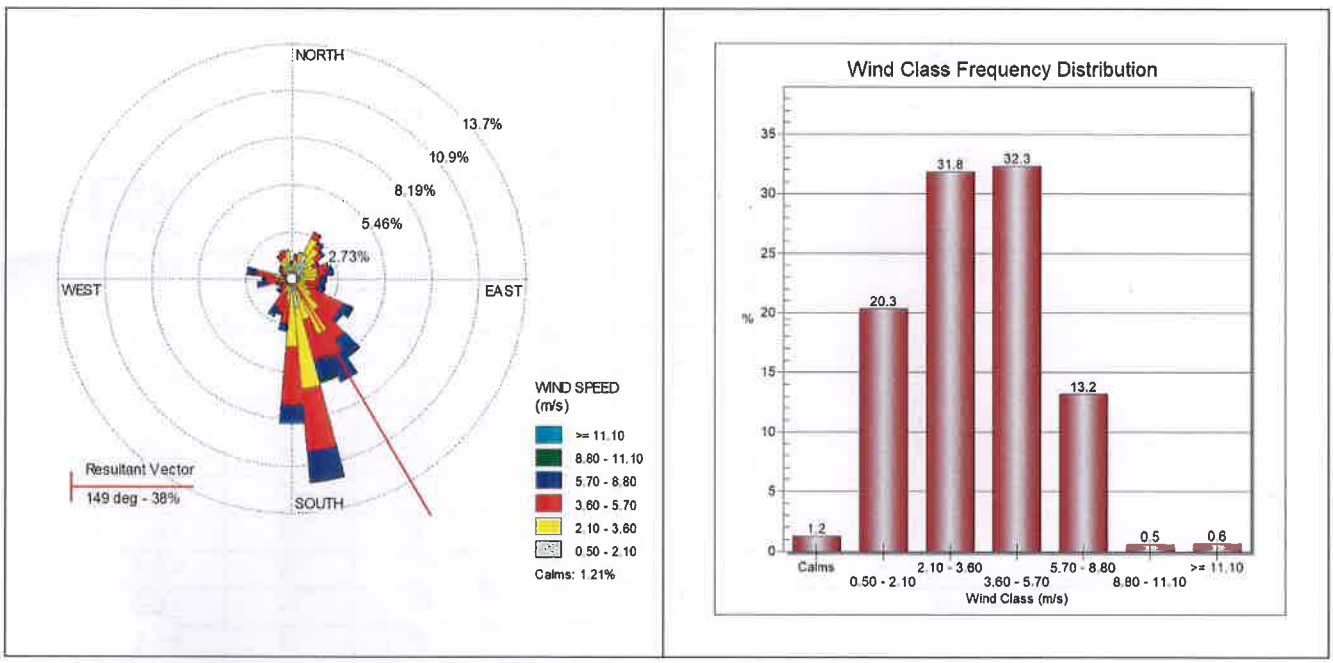

Table No: 2

AMBIENT AIR QUALITY DATA

From 01.04.2025 to 30.09.2025

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
April	24	68	05	19	< 0.1
	22	61	08	22	< 0.1
	23	70	07	23	< 0.1
	17	51	06	17	< 0.1
	26	77	08	24	< 0.1
	26	79	05	20	< 0.1
	27	78	07	22	< 0.1
	26	76	06	22	< 0.1
May	20	61	05	20	< 0.1
	24	69	07	21	< 0.1
	26	73	07	25	< 0.1
	29	83	08	26	< 0.1
	28	81	06	22	< 0.1
	19	53	03	16	< 0.1
	27	76	< 03	13	< 0.1
	18	55	04	17	< 0.1
	17	51	03	18	< 0.1
June	23	68	08	25	< 0.1
	21	63	06	23	< 0.1
	22	66	04	18	< 0.1
	18	55	03	16	< 0.1
	17	51	< 03	14	< 0.1
	20	62	< 03	15	< 0.1
	20	58	04	19	< 0.1
	18	53	03	17	< 0.1
July	17	50	03	16	< 0.1
	16	48	< 03	14	< 0.1
	15	45	< 03	14	< 0.1
	18	49	03	15	< 0.1
	16	51	04	18	< 0.1
	17	46	03	15	< 0.1
	18	52	05	20	< 0.1
	14	42	< 03	13	< 0.1
	20	56	04	19	< 0.1
August	15	42	03	16	< 0.1
	22	67	05	22	< 0.1
	26	75	06	24	< 0.1
	17	47	03	14	< 0.1
	19	52	04	18	< 0.1
	21	54	03	17	< 0.1
	23	60	05	21	< 0.1
	20	57	04	19	< 0.1
	20	56	04	18	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
September	21	58	05	20	< 0.1
	22	63	05	21	< 0.1
	19	55	03	17	< 0.1
	23	60	06	22	< 0.1
	30	81	06	23	< 0.1
	18	51	03	16	< 0.1
	21	54	04	18	< 0.1
	19	52	04	19	< 0.1

Table No: 3

AMBIENT AIR QUALITY DATA

From 01.04.2025 to 30.09.2025

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
April	21	61	06	20	< 0.1
	24	69	07	22	< 0.1
	27	79	08	23	< 0.1
	28	80	08	21	< 0.1
	23	77	08	23	< 0.1
	27	81	06	20	< 0.1
	29	83	08	24	< 0.1
	28	79	07	21	< 0.1
May	24	70	06	22	< 0.1
	26	80	07	23	< 0.1
	28	82	08	24	< 0.1
	27	81	07	26	< 0.1
	26	78	04	21	< 0.1
	25	79	05	20	< 0.1
	24	76	03	18	< 0.1
	28	83	06	22	< 0.1
	23	69	04	20	< 0.1
June	29	85	04	21	< 0.1
	28	86	05	25	< 0.1
	27	80	04	19	< 0.1
	21	61	03	16	< 0.1
	26	82	06	22	< 0.1
	27	79	05	20	< 0.1
	25	73	< 03	17	< 0.1
	17	51	03	15	< 0.1
July	21	62	04	19	< 0.1
	18	52	03	14	< 0.1
	16	49	04	17	< 0.1
	17	51	03	18	< 0.1
	29	86	05	20	< 0.1
	18	50	04	19	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	27	72	06	22	< 0.1
	14	42	< 03	14	< 0.1
	16	46	03	15	< 0.1
August	16	48	03	14	< 0.1
	26	75	05	21	< 0.1
	23	69	04	19	< 0.1
	25	72	05	20	< 0.1
	21	56	04	19	< 0.1
	20	58	03	15	< 0.1
	22	59	05	21	< 0.1
	19	56	04	18	< 0.1
	18	49	03	16	< 0.1
September	22	59	04	18	< 0.1
	30	84	06	25	< 0.1
	19	51	04	19	< 0.1
	21	62	05	21	< 0.1
	20	57	04	20	< 0.1
	27	78	06	22	< 0.1
	22	56	03	17	< 0.1
	23	58	04	18	< 0.1

Table No: 4

AMBIENT AIR QUALITY DATA

From 01.04.2025 to 30.09.2025

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
April	25	72	07	23	< 0.1
	24	74	06	20	< 0.1
	26	76	05	19	< 0.1
	24	75	07	20	< 0.1
	26	80	09	25	< 0.1
	27	82	07	22	< 0.1
	28	80	06	23	< 0.1
	28	79	05	21	< 0.1
May	24	74	05	19	< 0.1
	28	80	07	24	< 0.1
	27	81	08	26	< 0.1
	29	82	06	21	< 0.1
	29	84	08	25	< 0.1
	26	78	04	27	< 0.1
	30	88	10	34	< 0.1
	31	89	07	26	< 0.1
	28	81	05	22	< 0.1
June	28	84	05	23	< 0.1
	23	69	03	15	< 0.1
	31	92	07	26	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	29	86	05	20	< 0.1
	24	71	04	19	< 0.1
	25	73	06	20	< 0.1
	20	59	03	16	< 0.1
	31	90	07	27	< 0.1
July	20	61	04	18	< 0.1
	15	44	< 03	12	< 0.1
	17	50	04	20	< 0.1
	16	48	< 03	15	< 0.1
	14	42	< 03	13	< 0.1
	16	47	03	14	< 0.1
	22	64	05	21	< 0.1
	15	43	03	16	< 0.1
	30	89	06	23	< 0.1
August	16	46	03	13	< 0.1
	25	73	03	18	< 0.1
	27	82	05	21	< 0.1
	24	71	05	22	< 0.1
	26	78	06	24	< 0.1
	23	66	04	20	< 0.1
	20	54	03	17	< 0.1
	31	84	06	26	< 0.1
September	25	71	05	20	< 0.1
	27	75	06	23	< 0.1
	26	76	05	21	< 0.1
	22	60	04	18	< 0.1
	24	66	06	24	< 0.1
	23	72	04	19	< 0.1
	19	49	03	16	< 0.1
	28	74	06	21	< 0.1
	25	64	05	21	< 0.1

Table No: 5

AMBIENT AIR QUALITY DATA
From 01.04.2025 to 30.09.2025

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
April	21	65	05	18	< 0.1
	27	79	06	20	< 0.1
	26	75	07	21	< 0.1
	21	72	05	19	< 0.1
	22	70	05	18	< 0.1
	29	81	06	20	< 0.1
	27	82	06	21	< 0.1
	26	80	07	22	< 0.1
May	27	80	06	25	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	26	81	07	24	< 0.1
	28	83	08	26	< 0.1
	27	82	06	22	< 0.1
	28	84	07	23	< 0.1
	30	88	06	28	< 0.1
	32	90	09	35	< 0.1
	29	89	05	23	< 0.1
	31	91	08	28	< 0.1
June	31	92	05	24	< 0.1
	27	84	04	21	< 0.1
	30	89	06	23	< 0.1
	29	91	04	21	< 0.1
	28	87	05	20	< 0.1
	26	83	03	18	< 0.1
	32	93	07	25	< 0.1
	29	90	08	26	< 0.1
July	28	86	06	25	< 0.1
	16	48	03	15	< 0.1
	24	72	05	21	< 0.1
	21	61	04	19	< 0.1
	29	82	06	22	< 0.1
	27	80	07	24	< 0.1
	26	70	05	20	< 0.1
	30	77	04	21	< 0.1
	33	81	06	23	< 0.1
August	25	79	05	22	< 0.1
	28	81	06	23	< 0.1
	27	75	04	20	< 0.1
	30	80	06	24	< 0.1
	31	82	05	21	< 0.1
	21	56	03	17	< 0.1
	32	83	05	22	< 0.1
	27	78	04	18	< 0.1
September	27	79	06	23	< 0.1
	29	80	04	20	< 0.1
	30	82	07	24	< 0.1
	28	76	05	21	< 0.1
	25	78	06	22	< 0.1
	31	85	05	20	< 0.1
	32	81	05	23	< 0.1
	26	77	04	18	< 0.1
	24	76	04	20	< 0.1

Table No: 6

AMBIENT AIR QUALITY DATA

From 01.04.2025 to 30.09.2025

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
April	22	61	04	20	< 0.1
	27	81	06	21	< 0.1
	25	70	05	26	< 0.1
	22	73	09	22	< 0.1
	24	71	04	18	< 0.1
	28	79	07	22	< 0.1
	26	80	06	21	< 0.1
	27	82	07	23	< 0.1
May	27	79	08	24	< 0.1
	26	78	06	21	< 0.1
	28	80	07	23	< 0.1
	29	82	06	23	< 0.1
	26	77	05	22	< 0.1
	25	80	05	18	< 0.1
	30	86	07	25	< 0.1
	22	67	04	20	< 0.1
	29	84	08	26	< 0.1
June	28	82	04	21	< 0.1
	27	84	03	19	< 0.1
	30	87	06	23	< 0.1
	21	64	03	18	< 0.1
	20	61	< 03	15	< 0.1
	26	75	05	22	< 0.1
	19	56	03	15	< 0.1
	20	58	04	19	< 0.1
July	17	51	04	17	< 0.1
	19	55	03	14	< 0.1
	18	52	04	16	< 0.1
	20	58	< 3	15	< 0.1
	23	66	05	21	< 0.1
	19	57	03	14	< 0.1
	16	46	< 3	13	< 0.1
	17	49	03	12	< 0.1
	18	50	04	18	< 0.1
August	17	51	04	18	< 0.1
	26	78	06	23	< 0.1
	21	64	05	21	< 0.1
	22	61	04	20	< 0.1
	20	58	03	17	< 0.1
	23	62	05	19	< 0.1
	19	55	03	16	< 0.1
	18	50	04	18	< 0.1
September	19	51	03	17	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	18	50	03	16	< 0.1
	26	75	05	22	< 0.1
	23	65	04	20	< 0.1
	24	68	06	23	< 0.1
	28	79	05	21	< 0.1
	21	56	04	19	< 0.1
	22	58	03	18	< 0.1
	20	55	04	20	< 0.1

Table No: 7

AMBIENT AIR QUALITY DATA

From 01.04.2025 to 30.09.2025

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
April	23	66	06	20	< 0.1
	26	80	07	21	< 0.1
	22	65	08	23	< 0.1
	25	79	07	23	< 0.1
	23	76	06	17	< 0.1
	27	77	06	22	< 0.1
	28	80	07	21	< 0.1
	26	81	06	23	< 0.1
May	25	78	07	21	< 0.1
	27	81	08	23	< 0.1
	26	79	06	22	< 0.1
	28	80	07	22	< 0.1
	29	82	08	24	< 0.1
	30	84	04	30	< 0.1
	24	68	04	26	< 0.1
	21	60	03	17	< 0.1
	27	79	05	20	< 0.1
June	27	80	04	23	< 0.1
	23	68	< 03	18	< 0.1
	28	82	05	21	< 0.1
	17	52	< 03	15	< 0.1
	25	75	04	19	< 0.1
	23	70	03	17	< 0.1
	30	89	07	25	< 0.1
	28	83	06	24	< 0.1
July	20	60	04	17	< 0.1
	21	61	05	20	< 0.1
	12	33	< 3	11	< 0.1
	16	47	03	14	< 0.1
	16	44	03	16	< 0.1
	17	51	04	18	< 0.1
	18	49	< 3	14	< 0.1

Months	PM2.5 µg/m³	PM10 µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³
	19	52	03	13	< 0.1
	28	86	05	20	< 0.1
August	26	78	05	22	< 0.1
	27	75	04	19	< 0.1
	25	72	05	21	< 0.1
	28	78	03	17	< 0.1
	21	57	04	18	< 0.1
	19	51	03	16	< 0.1
	18	47	< 3	14	< 0.1
	20	50	03	15	< 0.1
September	20	58	04	18	< 0.1
	17	48	03	16	< 0.1
	25	74	05	22	< 0.1
	21	55	04	17	< 0.1
	24	66	05	21	< 0.1
	29	80	06	24	< 0.1
	23	67	05	20	< 0.1
	19	56	03	17	< 0.1
	22	60	04	19	

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
April	Coal Mill – 1 Bag Filter	10	-	-	-
	Cooler ESP – 1	14	-	-	-
	CVRM – 1 Bag Filter	11	-	-	-
	CVRM – 2 Bag Filter	09	-	-	-
	CVRM – 3 Bag Filter	08	-	-	-
	Coal Mill – 2 Bag Filter	23	-	-	-
	Cooler ESP – 2	22	-	-	-
	Kiln & VRM ESP – 1	28	18.40	303.83	-
	Kiln & VRM – 2 RABH	10	34.98	224.23	-
	Clinker Cooler Attached To ESP (DSP Unit)	24	-	-	-
	Coal Mill Attached To Bag Filter (DSP Unit)	09	-	-	-
	Kiln & Raw Mill RABH (DSP Unit)	09	12.30	125.16	-
	Boiler 1 ESP Stack	23	402.60	239.60	< 0.02
May	Coal Mill – 1 Bag Filter	10	-	-	-
	Cooler ESP – 1	13	-	-	-
	CVRM – 1 Bag Filter	06	-	-	-
	CVRM – 2 Bag Filter	06	-	-	-
	CVRM – 3 Bag Filter	18	-	-	-
	Coal Mill – 2 Bag Filter	10	-	-	-
	Cooler ESP – 2	20	-	-	-
	Kiln & VRM ESP – 1	19	19.4	301.65	-
	Kiln & VRM – 2 RABH	05	27.68	215.39	-
	Clinker Cooler Attached To ESP (DSP Unit)	24	-	-	-
	Coal Mill Attached To Bag Filter (DSP Unit)	06	-	-	-

Months	Location of sampling	PM mg/Nm³	SO_2 mg/Nm³	NO_2 mg/Nm³	Hg mg/Nm³
	Kiln & Raw Mill RABH (DSP Unit)	12	13.81	315.40	-
	Boiler 1 ESP Stack	16	397.35	229.18	< 0.02
June	Coal Mill – 1 Bag Filter	12	-	-	-
	Cooler ESP – 1	11	-	-	-
	CVRM – 1 Bag Filter	06	-	-	-
	CVRM – 2 Bag Filter	07	-	-	-
	CVRM – 3 Bag Filter	09	-	-	-
	Coal Mill – 2 Bag Filter	14	-	-	-
	Cooler ESP – 2	15	-	-	-
	Kiln & VRM ESP – 1	18	14.19	309.56	-
	Kiln & VRM – 2 RABH	06	22.14	211.53	-
	Clinker Cooler Attached To ESP (DSP Unit)	23	-	-	-
	Coal Mill Attached To Bag Filter (DSP Unit)	08	-	-	-
	Kiln & Raw Mill RABH (DSP Unit)	08	13.73	379.02	-
	Boiler 1 ESP Stack	21	485.57	231.97	< 0.02
July	Coal Mill – 1 Bag Filter	07	-	-	-
	Cooler ESP – 1	16	-	-	-
	CVRM – 1 Bag Filter	17	-	-	-
	CVRM – 2 Bag Filter	07	-	-	-
	CVRM – 3 Bag Filter	09	-	-	-
	Coal Mill – 2 Bag Filter	17	-	-	-
	Cooler ESP – 2	09	-	-	-
	Kiln & VRM ESP – 1	10	11.29	308.60	-
	Kiln & VRM – 2 RABH	08	17.10	206.19	-
	Clinker Cooler Attached To ESP (DSP Unit)	24	-	-	-
	Coal Mill Attached To Bag Filter (DSP Unit)	08	-	-	-
	Kiln & Raw Mill RABH (DSP Unit)	17	12.60	356.25	-
	Boiler 1 ESP Stack	20	419.50	209.44	< 0.02
August	Coal Mill – 1 Bag Filter	18	-	-	-
	Cooler ESP – 1	22	-	-	-
	CVRM – 1 Bag Filter	07	-	-	-
	CVRM – 2 Bag Filter	09	-	-	-
	CVRM – 3 Bag Filter	08	-	-	-
	Coal Mill – 2 Bag Filter	22	-	-	-
	Cooler ESP – 2	12	-	-	-
	Kiln & VRM ESP – 1	07	7.89	276.23	-
	Kiln & VRM – 2 RABH	06	9.75	258.75	-
	Clinker Cooler Attached To ESP (DSP Unit)	22	-	-	-
	Coal Mill Attached To Bag Filter (DSP Unit)	08	-	-	-
	Kiln & Raw Mill RABH (DSP Unit)	09	10.67	300.63	-
	Boiler 1 ESP Stack	19	374.15	218.13	< 0.02
September	Coal Mill – 1 Bag Filter	14	-	-	-
	Cooler ESP – 1	20	-	-	-
	CVRM – 1 Bag Filter	06	-	-	-
	CVRM – 2 Bag Filter	08	-	-	-
	CVRM – 3 Bag Filter	08	-	-	-
	Coal Mill – 2 Bag Filter	11	-	-	-
	Cooler ESP – 2	10	-	-	-
	Kiln & VRM ESP – 1	09	7.89	271.18	-

Months	Location of sampling	PM mg/Nm³	SO_2 mg/Nm³	NO_2 mg/Nm³	Hg mg/Nm³
	Kiln & VRM – 2 RABH	08	10.26	275.86	-
	Clinker Cooler Attached To ESP (DSP Unit)	13	-	-	-
	Coal Mill Attached To Bag Filter (DSP Unit)	07	-	-	-
	Kiln & Raw Mill RABH (DSP Unit)	17	12.2	300.93	-
	Boiler 1 ESP Stack	22	379.40	232.86	< 0.02

Table No : 9

GROUND WATER QUALITY RESULT FOR THE MONTH OF APRIL 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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	1.0	1.2	2.8	1.6	0.6	NTU	5.0
2	pH Value	6.69	6.76	6.60	6.56	6.23	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	741.38	413.70	335.87	192.51	192.51	mg/l	600
4	Iron (as Fe)	0.28	0.26	0.25	0.23	0.24	mg/l	0.3
5	Chlorides (as Cl)	90.99	59.68	45.98	14.68	43.05	mg/l	1000
6	Total Dissolved Solids	1002	565	492	234	318	mg/l	2000
7	Electrical Conductivity	1519	930	782	383	482	µS/cm	-
8	Calcium (as Ca)	226.55	129.69	109.99	57.46	60.74	mg/l	200
9	Magnesium (as Mg)	42.80	21.90	14.92	11.94	9.95	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)	132.90	109.94	63.70	20.73	32.24	mg/l	400
13	Total Nitrate (as NO_3)	43.89	< 2.20	< 2.20	< 2.20	12.69	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	396	268	276	134	154	mg/l	600
15	Acidity	20	04	26	14	36	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)	42.95	18.10	13.26	7.51	8.59	mg/l	-
18	Potassium (as K)	6.32	2.65	1.46	3.48	1.79	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)	ND	ND	ND	ND	ND	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	ND	ND	ND	ND	ND	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	ND	ND	ND	ND	ND	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	28.6	28.7	25.6	28.8	31.3	°C	-
32	Residual Free Chlorine	0.12	0.10	0.16	0.14	0.14	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 MAY 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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.2	0.4	0.3	0.1	0.1	NTU	5.0
2	pH Value	7.16	7.06	6.94	7.08	6.80	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	735.58	416.94	329.18	186.94	296.67	mg/l	600

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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
4	Iron (as Fe)	0.53	0.90	0.46	0.36	0.11	mg/l	0.3
5	Chlorides (as Cl)	246.56	59.68	45.98	12.72	44.03	mg/l	1000
6	Total Dissolved Solids	962	588	484	238	404	mg/l	2000
7	Electrical Conductivity	1588	938	806	395	673	µS/cm	-
8	Calcium (as Ca)	281.79	141.15	99.36	55.38	74.93	mg/l	200
9	Magnesium (as Mg)	7.90	15.74	19.75	11.85	26.66	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)	147.63	88.43	56.93	12.43	28.26	mg/l	400
13	Total Nitrate (as NO_3)	42.04	9.42	< 2.20	< 2.20	42.28	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	304	228	228	128	156	mg/l	600
15	Acidity	22	18	36	12	30	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)	41.2	33.70	28.06	7.19	10.46	mg/l	-
18	Potassium (as K)	3.26	4.41	2.99	2.41	0.74	mg/l	-
19	Fluoride (as F)	< 0.05	0.60	0.81	< 0.05	0.20	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	25.9	26.8	24.9	25.9	25.8	°C	-
32	Residual Free Chlorine	0.16	0.21	0.19	0.09	0.15	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 JUNE 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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.10	0.10	0.50	0.10	0.10	NTU	5.0
2	pH Value	6.63	6.59	6.53	6.39	6.25	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	756.98	412.89	416.94	182.16	271.22	mg/l	600
4	Iron (as Fe)	0.21	0.22	0.30	2.93	0.21	mg/l	0.3
5	Chlorides (as Cl)	213.09	58.82	80.03	12.54	11.57	mg/l	1000
6	Total Dissolved Solids	940	538	581	224	372	mg/l	2000
7	Electrical Conductivity	1565	895	969	374	622	µS/cm	-
8	Calcium (as Ca)	253.10	126.55	134.66	55.16	77.88	mg/l	200
9	Magnesium (as Mg)	30.49	23.61	19.67	10.82	18.69	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)	151.9	94.15	97.35	16.97	38.66	mg/l	400
13	Total Nitrate (as NO_3)	35.72	10.30	8.56	8.07	41.50	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	296	232	198	128	148	mg/l	600
15	Acidity	26	12	12	18	28	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)	100.16	30.40	116.54	11.31	22.02	mg/l	-
18	Potassium (as K)	2.51	2.09	2.12	2.11	2.59	mg/l	-
19	Fluoride (as F)	1.40	1.05	1.32	0.81	1.28	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 DailyMarket	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	25.6	25.4	25.9	25.5	25.6	°C	-
32	Residual Free Chlorine	0.13	0.22	0.13	0.16	0.14	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 OFJULY 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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	1.9	0.20	10.6	1.6	1.7	NTU	5.0
2	pH Value	6.61	6.79	6.59	6.48	5.95	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	627.44	396.70	331.94	182.16	174.06	mg/l	600
4	Iron (as Fe)	2.85	0.36	0.96	1.34	< 0.01	mg/l	0.3
5	Chlorides (as Cl)	246.84	43.39	34.71	13.50	11.57	mg/l	1000
6	Total Dissolved Solids	900	520	450	224	250	mg/l	2000
7	Electrical Conductivity	1606	895	764	376	415	µS/cm	-
8	Calcium (as Ca)	111.95	61.65	111.95	56.78	48.67	mg/l	200
9	Magnesium (as Mg)	84.59	59.02	12.79	9.84	12.79	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)	152.1	70.85	57.55	17.68	23.90	mg/l	400
13	Total Nitrate (as NO_3)	54.26	33.86	< 2.20	2.41	11.29	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	228	240	220	140	140	mg/l	600
15	Acidity	28	14	08	16	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)	43.9	30.79	34.44	9.66	16.22	mg/l	-
18	Potassium (as K)	3.22	1.19	2.49	2.73	1.39	mg/l	-
19	Fluoride (as F)	1.15	1.54	< 0.05	0.95	0.83	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	25.2	25.3	25.2	25.2	25.3	°C	-
32	Residual Free Chlorine	1.03	1.04	0.15	0.11	0.12	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 AUGUST 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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.10	0.10	0.10	0.20	0.10	NTU	5.0
2	pH Value	6.62	6.75	6.61	6.53	6.25	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	538.38	445.28	323.84	186.21	311.7	mg/l	600
4	Iron (as Fe)	0.15	0.81	2.11	3.36	0.46	mg/l	0.3
5	Chlorides (as Cl)	94.49	60.75	74.25	21.21	43.39	mg/l	1000
6	Total Dissolved Solids	912	558	630	248	412	mg/l	2000
7	Electrical Conductivity	1520	929	1050	412	686	µS/cm	-
8	Calcium (as Ca)	173.60	131.42	110.32	48.67	79.50	mg/l	200
9	Magnesium (as Mg)	25.57	28.52	11.80	15.74	56.42	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)	112.19	81.90	94.69	19.68	55.89	mg/l	400
13	Total Nitrate (as NO_3)	130.6	12.59	32.70	3.67	41.3	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	340	256	264	128	108	mg/l	600
15	Acidity	32	14	20	12	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)	33.33	30.46	40.84	9.53	24.73	mg/l	-
18	Potassium (as K)	1.26	1.11	4.53	2.50	3.03	mg/l	-
19	Fluoride (as F)	0.18	0.14	0.11	0.10	0.12	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	26.3	26.3	26.6	26.2	°C	-
32	Residual Free Chlorine	0.10	0.14	0.19	0.12	0.15	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 SEPTEMBER 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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
1	Turbidity	0.20	0.60	0.20	2.2	1.2	NTU	5.0
2	pH Value	6.50	6.67	6.53	6.23	6.16	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	594.34	328.64	381.79	177.12	247.97	mg/l	600
4	Iron (as Fe)	2.15	1.10	0.50	1.36	1.01	mg/l	0.3
5	Chlorides (as Cl)	222.74	58.82	73.28	19.28	39.53	mg/l	1000
6	Total Dissolved Solids	980	566	594	256	272	mg/l	2000
7	Electrical Conductivity	1721	942	991	427	452	µS/cm	-
8	Calcium (as Ca)	168.80	124.63	118.31	55.21	66.25	mg/l	200
9	Magnesium (as Mg)	42.08	4.30	21.04	9.56	20.09	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

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 DailyMarket	Tube Well IT Colony	Tube Well Village Surudi	Tube Well Village Rani Bandha		
12	Sulfate (as SO_4)	99.03	79.33	79.98	19.04	26.38	mg/l	400
13	Total Nitrate (as NO_3)	128.20	11.78	15.32	29.46	13.97	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	340	280	260	124	132	mg/l	600
15	Acidity	34	20	24	28	20	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)	60.66	29.50	39.18	9.62	18.48	mg/l	-
18	Potassium (as K)	2.96	1.14	2.44	2.50	1.54	mg/l	-
19	Fluoride (as F)	0.27	0.30	0.48	0.38	< 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	26.6	26.8	26.9	26.7	26.8	°C	-
32	Residual Free Chlorine	0.11	0.12	0.11	0.12	0.10	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 APRIL 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Guest House Drinking Water Point	CCR Building Ground Floor Drinking Water Point (Line – 1)	Near Pyro Workers Canteen Drinking Water Point (Line – 1)	Near Main Gate Drinking Water Point (Line – 2)	Near Coal Mill Drinking Water Point (DSP Unit)	Near Workers' Canteen Drinking Water Point (DSP Unit)		
1	Turbidity	1.6	0.4	0.8	0.9	0.7	1.4	NTU	5.0
2	pH Value	7.48	7.36	7.54	6.80	7.42	7.54	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	237.57	225.28	229.38	425.98	233.47	212.99	mg/l	600
4	Iron (as Fe)	0.13	0.15	0.12	0.28	0.21	0.10	mg/l	0.3
5	Chlorides (as Cl)	19.57	19.57	19.57	59.68	23.48	17.61	mg/l	1000
6	Total Dissolved Solids	312	286	312	624	300	274	mg/l	2000
7	Electrical Conductivity	472	476	473	947	482	467	µS/cm	-
8	Calcium (as Ca)	36.12	47.61	42.68	67.31	45.97	36.12	mg/l	200
9	Magnesium (as Mg)	35.83	25.88	29.86	62.70	28.86	29.86	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)	29.81	29.28	7.95	92.57	28.17	28.88	mg/l	400
13	Total Nitrate (as NO_3)	< 2.20	8.0	< 2.20	< 2.20	< 2.20	< 2.20	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	212	172	196	352	172	192	mg/l	600
15	Acidity	04	04	06	24	02	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)	6.91	8.43	10.20	16.48	10.32	10.0	mg/l	-
18	Potassium (as K)	2.30	2.76	3.11	1.56	3.10	2.87	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)	ND	ND	ND	ND	ND	ND	mg/l	0.05
23	Mercury (as Hg)	ND	ND	ND	ND	ND	ND	mg/l	0.001
24	Selenium (as Se)	ND	ND	ND	ND	ND	ND	mg/l	0.01
25	Nickel (as Ni)	ND	ND	ND	ND	ND	ND	mg/l	0.02
26	Zinc (as Zn)	ND	ND	ND	ND	ND	ND	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

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Guest House Drinking Water Point	CSP Building Ground Floor Drinking Water Point (Line – 1)	Near Fire Workers Canteen Drinking Water Point (Line – 1)	Near Main Gate Drinking Water Point (Line – 2)	Near Coal Mill Drinking Water Point (CSP Unit)	Near Workers' Canteen Drinking Water Point (CSP Unit)		
29	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
30	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	-	Agreeable
31	Temperature	25.5	25.6	25.7	25.5	25.7	25.4	°C	-
32	Residual Free Chlorine	0.10	0.18	0.12	0.20	0.11	0.09	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 MAY 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Cooler Drinking Water point (Line – 1)	General Office – Ground Floor Drinking Water point	CPP/Canteen Drinking Water point (Line – 2)	Near Workers' Canteen Drinking Water point (Line – 2)	Near Spare in Dispensary Drinking Water Point	Near Weigh BridgeDrinking Water point (CSP Unit		
1	Turbidity	0.3	0.1	0.2	0.1	0.2	0.2	NTU	5.0
2	pH Value	7.64	8.00	7.80	7.70	7.88	7.65	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	219.46	234.78	214.54	218.59	218.59	226.69	mg/l	600
4	Iron (as Fe)	0.07	0.02	0.08	0.11	0.11	0.06	mg/l	0.3
5	Chlorides (as Cl)	20.55	21.52	20.55	22.50	19.57	19.57	mg/l	1000
6	Total Dissolved Solids	302	298	302	300	298	304	mg/l	2000
7	Electrical Conductivity	501	497	503	502	496	506	µS/cm	-
8	Calcium (as Ca)	79.50	50.29	50.29	51.92	48.67	50.29	mg/l	200
9	Magnesium (as Mg)	5.13	26.56	21.64	21.64	23.61	24.59	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)	18.95	18.79	19.10	19.18	17.60	18.14	mg/l	400
13	Total Nitrate (as NO_3)	12.22	< 2.20	13.50	13.73	11.95	12.15	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	156	144	152	152	168	160	mg/l	600
15	Acidity	12	06	06	12	02	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)	6.14	10.36	12.11	13.11	3.68	13.86	mg/l	-
18	Potassium (as K)	1.73	3.61	2.42	2.42	1.28	4.10	mg/l	-
19	Fluoride (as F)	< 0.05	< 0.05	0.52	0.72	0.63	< 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	24.6	25.6	25.4	25.3	25.3	26.0	°C	-
32	Residual Free Chlorine	0.16	0.08	0.12	0.26	0.10	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 JUNE 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)	Main Gate Canteen Drinking Water Point	OPP Office Building Drinking Water Point (Line – 2)	Near VRM Drinking Water Point (Line – 2)	Near General Store Drinking Water Point (DSP Unit)	Near Cooler 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	7.48	7.26	7.23	7.26	7.49	7.21	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	286	190.26	206.44	214.54	202.4	214.54	mg/l	600
4	Iron (as Fe)	< 0.01	< 0.01	< 0.01	0.09	0.24	0.25	mg/l	0.3
5	Chlorides (as Cl)	23.14	23.14	26.99	26.03	25.07	24.11	mg/l	1000
6	Total Dissolved Solids	286	284	294	296	288	286	mg/l	2000
7	Electrical Conductivity	478	475	491	489	479	479	µS/cm	-
8	Calcium (as Ca)	50.29	50.29	51.91	51.92	58.41	48.67	mg/l	200
9	Magnesium (as Mg)	21.64	15.74	18.69	19.67	13.77	22.62	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)	31.88	30.19	29.71	29.23	30.27	31.29	mg/l	400
13	Total Nitrate (as NO_3)	12.22	13.41	12.22	12.18	13.08	11.54	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	144	144	144	140	136	144	mg/l	600
15	Acidity	02	04	04	06	06	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)	17.61	17.49	18.72	18.47	17.50	17.94	mg/l	-
18	Potassium (as K)	5.56	5.25	5.33	5.42	5.40	5.46	mg/l	-
19	Fluoride (as F)	0.84	0.75	0.58	0.54	0.56	0.16	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	25.9	25.7	25.2	25.3	25.2	25.5	°C	-
32	Residual Free Chlorine	0.17	0.11	0.17	0.13	0.18	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 : 18

DRINKING WATER QUALITY RESULT FOR THE MONTH OF JULY 2025

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

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Packing House Drinking Water Point (Line – 4)	Near CVRM – 2 Drinking Water Point(Line – 1)	Work Shop Drinking Water Point (Line – 2)	Near ATR Storage Drinking Water Point (Line – 2)	Near Coal Mill Drinking Water Point (DSP Unit)	CCR Building 2nd Floor 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)	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
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 AUGUST 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		General Office Ground Floor	Near Clinker Silo Drinking Water Point(Line – 1)	Near Main Gate Drinking Water Point (Line – 2)	CCR Building 2nd Floor Pantry Room Drinking Water Point (Line – 2)	Near Workers' Canteen Drinking Water Point (DSP Unit)	CCR New Weigh Bridge Canteen 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	7.52	7.51	7.58	7.66	7.60	7.56	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	210.50	190.26	210.50	194.30	198.35	194.30	mg/l	600
4	Iron (as Fe)	0.18	0.27	0.24	0.21	0.12	0.09	mg/l	0.3
5	Chlorides (as Cl)	23.14	18.32	16.39	16.39	17.36	17.36	mg/l	1000
6	Total Dissolved Solids	262	220	242	226	236	240	mg/l	2000
7	Electrical Conductivity	438	388	403	399	394	399	µS/cm	-
8	Calcium (as Ca)	48.67	43.80	53.54	42.18	35.69	45.43	mg/l	200
9	Magnesium (as Mg)	21.64	19.67	18.68	21.64	26.56	19.67	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)	41.03	27.99	31.63	29.45	26.71	28.53	mg/l	400
13	Total Nitrate (as NO_3)	9.42	8.49	9.64	9.42	9.42	9.25	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	104	100	100	104	100	108	mg/l	600
15	Acidity	06	4.0	04	02	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)	9.71	9.66	9.62	9.42	9.56	9.40	mg/l	-
18	Potassium (as K)	3.11	3.05	3.14	3.13	3.06	3.07	mg/l	-
19	Fluoride (as F)	0.17	0.10	0.09	< 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

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		General Office Ground Floor	Near Clinker Silo Drinking Water Point(Line – 1)	Near Main Gate Drinking Water Point (Line – 2)	CCR Building 2nd Floor Pantry Room Drinking Water Point (Line – 2)	Near Workers' Canteen Drinking Water Point (DSP Unit)	CCR New Weigh Bridge Canteen Drinking Water Point (DSP Unit)		
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	26.2	26.6	26.1	26.1	26.1	26.8	°C	-
32	Residual Free Chlorine	0.13	0.12	0.11	0.12	0.18	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 SEPTEMBER 2025

Sl No	Parameter	Results Obtained						Unit	Permissible Limit in absence of Alternate Source as per IS 10500: 2012
		Pyro Section Workers' Canteen Drinking water point, Line – 1	CCR Building 2nd Floor Pantry Room Drinking Water point (Line – 1)	Near CPP Office Building Drinking Water point (Line – 2)	Near VRM 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	0.20	< 0.1	0.10	NTU	5.0
2	pH Value	7.61	7.66	7.64	7.51	7.43	7.73	-	6.5 – 8.5
3	Total Hardness (as $CaCO_3$)	177.12	169.25	137.76	169.25	192.86	145.63	mg/l	600
4	Iron (as Fe)	0.09	0.26	0.12	0.28	0.14	0.28	mg/l	0.3
5	Chlorides (as Cl)	21.21	22.18	12.53	19.28	16.39	16.39	mg/l	1000
6	Total Dissolved Solids	250	250	192	234	212	210	mg/l	2000
7	Electrical Conductivity	416	419	318	397	352	349	µS/cm	-
8	Calcium (as Ca)	45.75	45.75	34.71	45.75	36.28	41.02	mg/l	200
9	Magnesium (as Mg)	15.30	13.39	12.53	13.39	24.87	10.52	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)	55.04	52.83	30.93	48.32	39.90	39.17	mg/l	400
13	Total Nitrate (as NO_3)	9.12	9.32	8.63	8.90	8.78	8.80	mg/l	45
14	Total Alkalinity (as $CaCO_3$)	92	92	92	84	92	84	mg/l	600
15	Acidity	04	02	04	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)	7.74	8.04	7.93	7.57	7.60	7.62	mg/l	-
18	Potassium (as K)	1.98	2.0	1.94	1.92	2.04	2.06	mg/l	-
19	Fluoride (as F)	0.30	0.09	0.39	0.31	0.08	0.17	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	25.5	25.7	25.7	25.8	26.4	26.4	°C	-
32	Residual Free Chlorine	0.10	0.12	0.16	0.18	0.15	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 : 21

SURFACE WATER QUALITY RESULT FOR THE MONTH OF APRIL 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	7.46	7.17	7.21	6.98	-	6.5 – 8.5
2	Electrical Conductivity	967	873	870	526	µS/cm	-
3	Total Dissolved Solids	638	576	574	342	mg/l	1500
4	Total Hardness (as $CaCO_3$)	372.74	327.68	278.53	245.76	mg/l	-
5	Chlorides (as Cl)	88.06	83.16	59.68	22.50	mg/l	600
6	Sulfate (as SO_4)	50.77	60.49	40.76	16.58	mg/l	400
7	Total Nitrate (as NO_3)	30.19	< 2.20	3.57	< 2.20	mg/l	50
8	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
9	Calcium (as Ca)	67.31	67.31	64.02	57.46	mg/l	-
10	Magnesium (as Mg)	49.77	38.82	28.86	24.88	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.23	0.26	0.25	0.21	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	Colour	< 5	< 5	< 5	< 5	Hazen	300
22	Odour	Agreeable	Agreeable	Agreeable	Agreeable	-	-
23	Taste	Agreeable	Agreeable	Agreeable	Agreeable	-	-
24	Dissolved Oxygen (Min.)	6.2	5.8	5.9	6.3	mg/l	4
25	BOD 5 days at 20°C	01	02	01	01	mg/l	3
26	Oil & Grease	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	0.1
27	Free Carbon Dioxide (as CO_2)	1.76	19.36	17.6	5.28	mg/l	-
28	Free Ammonia (as NH_3)	< 0.012	< 0.012	< 0.012	< 0.012	mg/l	-
29	Cyanide (as CN)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.05
30	Phenolic Compounds (as C_6H_5OH)	< 0.002	< 0.002	< 0.002	< 0.002	mg/l	0.005
31	Anionic Detergents (as MBAS)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.0
32	Total Coliforms	Absent	100	100	10	Nos/100ml	5000

Table No : 22

SURFACE WATER QUALITY RESULT FOR THE MONTH OF MAY 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	7.17	7.38	7.46	7.33	-	6.5 – 8.5
2	Electrical Conductivity	1069	1062	791	546	µS/cm	-
3	Total Dissolved Solids	641	638	476	328	mg/l	1500
4	Total Hardness (as $CaCO_3$)	369.82	398.27	243.84	210.50	mg/l	-
5	Chlorides (as Cl)	111.54	107.63	101.75	29.35	mg/l	600
6	Sulfate (as SO_4)	36.05	36.16	26.45	11.29	mg/l	400
7	Total Nitrate (as NO_3)	< 2.20	< 2.20	< 2.20	< 2.20	mg/l	50
8	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
9	Calcium (as Ca)	89.59	87.96	81.44	55.16	mg/l	-
10	Magnesium (as Mg)	35.55	43.45	9.87	17.71	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.46	0.33	0.32	0.45	mg/l	50
13	Manganese (as Mn)	< 0.05	< 0.05	< 0.05	< 0.05	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		
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	6.02	6.1	6.3	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)	12.32	19.36	17.60	12.32	mg/l	-
25	Total Suspended Solids	< 2.5	< 2.5	9.4	3.6	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 : 23

SURFACE WATER QUALITY RESULT FOR THE MONTH OF JUNE 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	7.21	7.31	7.37	7.18	-	6.5 – 8.5
2	Electrical Conductivity	772	760	940	487	µS/cm	-
3	Total Dissolved Solids	462	472	564	302	mg/l	1500
4	Total Hardness (as $CaCO_3$)	271.22	267.17	303.6	210.50	mg/l	-
5	Chlorides (as Cl)	81.96	80.03	72.32	21.21	mg/l	600
6	Sulfate (as SO_4)	48.40	31.65	53.65	17.54	mg/l	400
7	Total Nitrate (as NO_3)	5.04	< 2.20	< 2.20	< 2.20	mg/l	50
8	Fluoride (as F)	1.22	< 0.05	< 0.05	< 0.05	mg/l	1.5
9	Calcium (as Ca)	77.88	73.01	82.74	55.16	mg/l	-
10	Magnesium (as Mg)	18.69	20.66	23.61	17.70	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.21	0.57	0.65	0.29	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	6.3	6.1	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	7.04	12.32	5.28	mg/l	-
25	Total Suspended Solids	19.9	20.5	23.3	10.2	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

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		
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 JULY 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	7.14	7.45	7.49	7.48	-	6.5 – 8.5
2	Electrical Conductivity	179.2	157.5	199	239	µS/cm	-
3	Total Dissolved Solids	108	96	120	142	mg/l	1500
4	Total Hardness (as $CaCO_3$)	85.01	72.86	85.01	125.49	mg/l	-
5	Chlorides (as Cl)	10.61	5.78	11.57	10.61	mg/l	600
6	Sulfate (as SO_4)	31.02	25.02	29.02	30.72	mg/l	400
7	Total Nitrate (as NO_3)	< 2.20	< 2.20	< 2.20	< 2.20	mg/l	50
8	Fluoride (as F)	0.45	0.26	0.77	0.91	mg/l	1.5
9	Calcium (as Ca)	19.47	19.47	19.47	29.20	mg/l	-
10	Magnesium (as Mg)	8.85	5.90	8.85	2.79	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.37	0.43	0.32	0.91	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	6.2	6.1	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)	5.28	3.52	5.28	5.28	mg/l	-
25	Total Suspended Solids	54.7	76.5	55.3	3.8	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 AUGUST 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	7.04	7.19	7.26	7.42	-	6.5 – 8.5
2	Electrical Conductivity	353	323	475	383	µS/cm	-
3	Total Dissolved Solids	212	194	286	230	mg/l	1500

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Lipoi Nadi Upstream (Shirdi Sai Temple)	Lipoi Nadi (Muncipality Dump Yard)	Lipoi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
4	Total Hardness (as $CaCO_3$)	145.73	133.58	206.45	194.30	mg/l	-
5	Chlorides (as Cl)	19.28	15.43	25.07	17.36	mg/l	600
6	Sulfate (as SO_4)	14.03	12.43	40.89	20.98	mg/l	400
7	Total Nitrate (as NO_3)	< 2.20	< 2.20	2.49	3.20	mg/l	50
8	Fluoride (as F)	< 0.05	< 0.05	< 0.05	< 0.05	mg/l	1.5
9	Calcium (as Ca)	38.94	43.80	53.54	38.94	mg/l	-
10	Magnesium (as Mg)	11.80	5.90	17.71	23.61	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.98	1.09	1.54	0.53	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	6.1	6.2	6.1	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)	5.28	3.52	7.04	7.04	mg/l	-
25	Total Suspended Solids	92.1	154.7	134.8	29.0	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 SEPTEMBER 2025

Sl No	Parameter	Results Obtained				Unit	Surface Water Quality Standard as per IS: 2296 (Class C)
		Lipoi Nadi Upstream (Shirdi Sai Temple)	Lipoi Nadi (Muncipality Dump Yard)	Lipoi Nadi Downstream (Poda Nadi)	Amaghat Nadi		
1	pH Value	7.48	7.50	7.45	7.64	-	6.5 – 8.5
2	Electrical Conductivity	259	264	316	280	µS/cm	-
3	Total Dissolved Solids	156	158	190	169	mg/l	1500
4	Total Hardness (as $CaCO_3$)	90.53	98.40	110.21	122.02	mg/l	-
5	Chlorides (as Cl)	10.61	10.61	13.50	9.64	mg/l	600
6	Sulfate (as SO_4)	23.87	23.16	28.13	19.62	mg/l	400
7	Total Nitrate (as NO_3)	< 2.20	< 2.20	< 2.20	< 2.20	mg/l	50
8	Fluoride (as F)	< 0.05	0.22	0.25	0.45	mg/l	1.5
9	Calcium (as Ca)	23.66	25.24	28.39	26.82	mg/l	-
10	Magnesium (as Mg)	7.65	8.61	25.06	13.39	mg/l	-
11	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	mg/l	1.5
12	Iron (as Fe)	0.90	1.82	0.92	0.25	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

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		
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)	3.52	3.52	3.52	3.52	mg/l	-
25	Total Suspended Solids	50.4	58.6	36.8	29.2	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
		APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	
1	pH Value	7.28	7.36	7.34	7.16	7.62	7.17	-
2.	Total Suspended Solids	31.8	12.6	< 2.5	23.3	38.8	22.1	mg/l
3.	Oil & Grease	3.6	2.2	4.2	3.2	3.8	3.8	mg/l
4.	BOD 5days at 20°C	30	40	24	33	26	29	mg/l
5.	COD	88.69	124.80	70.54	97.47	79.91	86.67	mg/l

27.2 EFFLUENT WATER QUALITY RESULT OF ETP OUTLET

Sl No	Parameters	Results Obtained						Permissible Limit as per CTO Conditions	Unit
		APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER		
1	pH Value	7.47	7.46	7.61	7.09	7.91	7.41	5.5 – 9.0	-
2.	Total Suspended Solids	< 2.5	< 2.5	< 2.5	7.7	17.2	17.9	100	mg/l
3.	Oil & Grease	< 2.0	< 2.0	2.0	< 2.0	2.6	< 2.0	10	mg/l
4.	BOD 5days at 20°C	19	19	20	17	13	07	-	mg/l
5.	COD	64.57	58.84	58.36	60.86	38.54	19.49	-	mg/l

Table No : 28

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

Sl No	Parameters	Results Obtained						Unit
		APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	
1	pH Value	7.54	7.50	6.60	7.75	8.63	8.80	-
2.	Total Suspended Solids	< 2.5	< 2.5	2.5	< 2.5	< 2.5	< 2.5	mg/l
3.	Oil & Grease	< 2.0	2.6	< 2.0	< 2.0	< 2.0	< 2.0	mg/l
4.	COD	20.89	28.01	22.48	15.76	54.94	15.92	mg/l
5.	Copper (as Cu)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	mg/l
6.	Iron (as Fe)	0.09	0.23	0.07	0.18	0.12	0.31	mg/l

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

Sl No	Parameters	Results Obtained						Unit
		APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	
1	pH Value	7.71	8.09	8.50	7.41	7.66	7.15	-
2.	Total Suspended Solids	< 2.5	< 2.5	< 2.5	< 2.5	3.1	9.7	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)	16.92	11.39	13.41	10.18	32.77	10.06	mg/l
5.	Phosphate (as PO_4)	1.96	3.11	1.43	2.84	0.84	2.98	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)	0.31	0.24	< 0.10	< 0.10	0.14	0.18	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
		APR	MAY	JUN	JULY	AUG	SEPT		
1	pH Value	7.22	7.54	7.60	7.27	7.67	7.39	6.5 – 9.0	-
2.	Total Suspended Solids	5.30	5.1	41	12.5	36.8	14.5	100	mg/l
3.	BOD 5days at 20°C	19	25	12	22	20	22	30	mg/l
4.	COD	52.64	78.23	33.25	58.23	64.98	64.10	-	mg/l
5.	Fecal coliform	100	100	100	1000	100	100	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
		APR	MAY	JUN	JULY	AUG	SEPT		
1	pH Value	7.39	7.55	7.46	7.30	7.95	7.25	6.5 – 9.0	-
2.	Total Suspended Solids	< 2.5	5.8	4.5	35.1	48.3	31.7	100	mg/l
3.	BOD 5days at 20°C	24	24	28	28	27	27	30	mg/l
4.	COD	76.22	73.112	90.87	82.51	82.97	82.91	-	mg/l
5.	Fecal Coliform	100	100	100	1000	100	100	1000	mg/l

Table No : 31

SOIL QUALITY RESULT FOR THE MONTH OF APRIL 2025

Sl. No.	Parameter	Unit	Guest House Area	Water Harvesting Pond (L – 2)	Near ETP Area (L – 1)	Near New Weigh Bridge 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	Clay Loam	Clay Loam	Sandy Clay Loam
4.	Bulk Density	gm/cm^3	1.8	1.2	1.3	1.2
5.	pH (1:2 Suspension)	-	7.79	8.02	7.98	8.17
6.	Electrical Conductivity	µS/cm	721	448	741	1091

Sl. No.	Parameter	Unit	Guest House Area	Water Harvesting Pond (L – 2)	Near ETP Area (L – 1)	Near New Weigh Bridge Area (DSP Unit)
7.	Available Phosphorous (as P_2O_5)	Kg/ha	< 5.0	< 5.0	< 5.0	5.848
8.	Available Potassium (as K_2O)	Kg/ha	373.92	244.44	293.16	365.76
9.	Organic Carbon	%	1.85	2.95	0.22	0.99
10.	Available Nitrogen (as N)	Kg/ha	163.07	125.44	188.16	238.338
11.	Iron	mg/kg	4.8	5.21	6.05	6.08
12.	Calcium	mg/kg	168	172	179	178
13.	Manganese	mg/kg	9.61	9.23	9.76	7.02
14.	Infiltration Rate	cm/hr	6.54	4.26	4.77	5.64
15.	Porosity	gm/cm^3	0.19	0.20	0.26	0.15
16.	Moisture Content	%	21.26	22.57	22.8	23.0
17.	Chloride	mg/kg	0.13	0.18	0.10	0.18
18.	Sulphate	mg/kg	0.62	0.54	0.48	0.71

Table No : 32

SOIL QUALITY RESULT FOR THE MONTH OF MAY 2025

Sl. No.	Parameter	Unit	InFront of HR Office	AFR Area Line – 2	STP 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	Clay Loam	Sandy Clay Loam
4.	Bulk Density	gm/cm^3	1.53	1.49	1.72
5.	pH (1:2 Suspension)	-	8.61	8.23	8.41
6.	Electrical Conductivity	µS/cm	450	1730	492
7.	Available Phosphorous (as P_2O_5)	Kg/ha	5.58	5.82	< 5.0
8.	Available Potassium (as K_2O)	Kg/ha	301.56	478.08	337.68
9.	Organic Carbon	%	1.15	1.98	2.07
10.	Organic Matter	%	1.98	3.41	3.57
11.	Available Nitrogen (as N)	Kg/ha	150.53	163.07	200.70
12.	Iron	mg/kg	5.2	5.4	2.22
13.	Calcium	mg/kg	182	176	158
14.	Manganese	mg/kg	7.3	5.24	4.21
15.	Infiltration Rate	cm/hr	2.44	2.23	3.39
16.	Porosity	gm/cm^3	0.25	0.28	0.19
17.	Moisture Content	%	15.6	18.6	18.9
18.	Chloride	mg/kg	0.14	0.21	0.16
19.	Sulphate	mg/kg	0.70	0.62	0.56

Table No : 33

SOIL QUALITY RESULT FOR THE MONTH OF JUNE 2025

Sl. No.	Parameter	Unit	Near 132KV Station Area (Line – 2)	AFR Area (Line – 1)	STP Area (DSP Unit)
1.	Colour	-	Brownish	Brownish	Greyish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Silty Clay Loam	Silty Clay Loam	Silty Loam
4.	Bulk Density	gm/cm^3	1.2	1.8	1.2
5.	pH (1:2 Suspension)	-	7.80	8.60	8.34
6.	Electrical Conductivity	µS/cm	420	376	1806
7.	Available Phosphorous (as P_2O_5)	Kg/ha	8.51	7.72	14.82
8.	Available Potassium (as K_2O)	Kg/ha	143.52	257.28	361.32

Sl. No.	Parameter	Unit	Near 132KV Station Area (Line – 2)	AFR Area (Line – 1)	STP Area (DSP Unit)
9.	Organic Carbon	%	< 0.50	1.03	2.55
10.	Organic Matter	%	< 0.86	1.77	4.40
11.	Available Nitrogen (as N)	Kg/ha	112.90	150.53	137.98
12.	Iron	mg/kg	3.2	2.1	3.26
13.	Calcium	mg/kg	186	153	155
14.	Manganese	mg/kg	5.62	5.72	6.02
15.	Infiltration Rate	cm/hr	3.26	2.09	5.61
16.	Porosity	gm/cm^3	0.29	0.23	0.12
17.	Moisture Content	%	26.7	27.8	23.4
18.	Chloride	mg/kg	0.16	0.14	0.16
19.	Sulphate	mg/kg	0.33	0.47	0.51

Table No : 34

SOIL QUALITY RESULT FOR THE MONTH OF JULY 2025

Sl. No.	Parameter	Unit	ETP AREA (LINE – 1)	STP AREA (LINE – 2)	Liquid AFR Area (DSP UNIT)
1.	Colour	-	Blackish	Brownish	Greyish
2.	Type of Soil	-	Fine Grained Soil	Fine Grained Soil	Fine Grained Soil
3.	Texture	-	Silty Clay Loam	Silty Clay Loam	Silty Loam
4.	Bulk Density	gm/cm^3	1.0	1.1	1.1
5.	pH (1:2 Suspension)	-	7.81	8.58	8.82
6.	Electrical Conductivity	µS/cm	518	914	358
7.	Available Phosphorous (as P_2O_5)	Kg/ha	18.24	12.72	8.40
8.	Available Potassium (as K_2O)	Kg/ha	278.88	513.0	138.0
9.	Organic Carbon	%	3.9	0.67	< 0.50
10.	Organic Matter	%	6.7	1.15	< 0.86
11.	Available Nitrogen (as N)	Kg/ha	288.51	188.16	200.70
12.	Iron	mg/kg	5.7	6.1	3.26
13.	Calcium	mg/kg	177	169	145
14.	Manganese	mg/kg	2.62	3.87	6.21
15.	Infiltration Rate	cm/hr	5.09	4.36	6.61
16.	Porosity	gm/cm^3	1.09	0.84	0.16
17.	Moisture Content	%	31.7	29.9	29.9
18.	Chloride	mg/kg	0.11	0.17	0.18
19.	Sulphate	mg/kg	0.43	0.46	0.58

Table No : 35

SOIL QUALITY RESULT FOR THE MONTH OF AUGUST 2025

Sl. No.	Parameter	Unit	In Front Of HR Office (Line – 1)	Truck Parking Area (Line – 2)	Near New Weigh Bridge Area (DSP Unit)
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	Silty Loam
4.	Bulk Density	gm/cm^3	1.4	1.6	1.5
5.	pH (1:2 Suspension)	-	8.57	8.47	8.68
6.	Electrical Conductivity	µS/cm	216	239	515
7.	Available Phosphorous (as P_2O_5)	Kg/ha	< 5.0	< 5.0	5.85
8.	Available Potassium (as K_2O)	Kg/ha	204.36	186.6	277.44
9.	Organic Carbon	%	1.01	< 0.5	1.24

Sl. No.	Parameter	Unit	In Front Of HR Office (Line – 1)	Truck Parking Area (Line – 2)	Near New Weigh Bridge Area (DSP Unit)
10.	Organic Matter	%	1.74	< 0.86	2.14
11.	Available Nitrogen (as N)	Kg/ha	137.98	100.35	125.44
12.	Iron	mg/kg	3.92	6.28	2.21
13.	Calcium	mg/kg	185	210	182
14.	Manganese	mg/kg	7.53	8.46	7.83
15.	Infiltration Rate	cm/hr	7.34	5.26	6.26
16.	Porosity	gm/cm^3	0.23	0.19	0.34
17.	Moisture Content	%	20.44	22.84	21.75
18.	Chloride	mg/kg	0.21	0.18	0.31
19.	Sulphate	mg/kg	0.56	0.39	0.48

Table No : 36

SOIL QUALITY RESULT FOR THE MONTH OF SEPTEMBER 2025

Sl. No.	Parameter	Unit	Konark Vihar	AFR Area (Line – 1)	AFR Area (Line – 2)	STP Area (DSP Unit)
1.	Colour	-	Brownish	Greyish	Greyish	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	1.7	2.3	1.8	1.6
5.	pH (1:2 Suspension)	-	7.89	8.50	8.58	8.13
6.	Electrical Conductivity	µS/cm	240	184.6	227	239
7.	Available Phosphorous (as P_2O_5)	Kg/ha	< 5.0	< 5.0	6.89	< 5.0
8.	Available Potassium (as K_2O)	Kg/ha	144.48	160.08	230.64	147.6
9.	Organic Carbon	%	1.78	0.90	1.94	2.16
10.	Organic Matter	%	3.07	1.55	3.34	3.72
11.	Available Nitrogen (as N)	Kg/ha	213.25	125.44	125.44	188.16
12.	Iron	mg/kg	4.75	5.31	5.11	3.25
13.	Calcium	mg/kg	208	176	184	163
14.	Manganese	mg/kg	4.27	6.72	7.62	6.37
15.	Infiltration Rate	cm/hr	4.56	6.18	5.29	5.26
16.	Porosity	gm/cm^3	0.23	0.19	0.26	0.29
17.	Moisture Content	%	25.37	24.8	26.52	27.75
18.	Chloride	mg/kg	0.21	0.18	0.10	0.22
19.	Sulphate	mg/kg	1.24	1.30	0.95	0.57

Table No: : 37

NOISE LEVEL MONITORING DATA

From 01.04.2025 to 30.09.2025

Month	Location	L_{eq} dB(A) Day Time	L_{eq} dB(A) Night Time
Apr	Konark Vihar Area	47.2	37.8
	Guest House Area	56.9	46.8
	Atithi Niwas Area	62.1	60.3
	Main Gate Canteen Area(Line – 1)	56.5	53.3
	CPP Area (Line – 2)	55.8	50.8
	B. G Loco Gate Area (Line – 1)	61.2	59.5
	Project Gate Area (DSP Unit)	52.1	47.3
	General Store Area (DSP Unit)	61.2	60.2
May	Konark Vihar Area	44.2	38.5
	Guest House Area	55.1	53.2

Month	Location	L_{eq} dB(A) Day Time	L_{eq} dB(A) Night Time
	General Store Area (Line – 1)	61.4	59.8
	Refractory Main Gate	62.0	61.1
	CCR Building Area (Line – 2)	70.8	69.3
	Work Shop Area (Line – 2)	59.3	58.5
	Project Gate Area (DSP Unit)	61.2	59.5
	General Store Area (DSP Unit)	52.1	47.3
Jun	Konark Vihar Area	46.3	47.6
	Guest House Area	55.4	50.7
	Main Gate Canteen Building (Line – 1)	57.2	58.4
	B. G Loco Gate Area (Line – 1)	62.7	61.8
	TT – 4 Area (Line – 2)	69.8	71.9
	CPP Area (Line – 2)	59.4	59.7
	AFR Storage Area (DSP Unit)	66.8	73.2
	STP Area (DSP Unit)	67.9	67.6
Jul	Konark Vihar Area	54.9	62.0
	Guest House Area	50.8	54.4
	General Store Area (Line – 1)	60.6	60.1
	Refractory Main Gate Area (Line – 1)	60.4	58.6
	CCR Building Area (Line – 2)	62.2	58.3
	Workshop Area (Line – 2)	61.2	60.3
	General Store Area (DSP Unit)	60.3	59.3
	Project Gate Area (DSP Unit)	53.6	64.2
Aug	Konark Vihar Area	42.0	45.8
	Guest House Area	58.0	62.5
	Near Main Gate Canteen Area (Line – 1)	60.0	58.5
	B. G Loco Gate (Line – 1)	62.2	59.7
	CPP Area (Line – 2)	57.4	54.7
	TT – 4 Area (Line – 2)	69.2	67.0
	STP Area (DSP Unit)	69.0	68.1
	General Store Area (DSP Unit)	59.6	58.6
Sept	Konark Vihar Area	49.2	57.1
	Guest House Area	55.4	54.7
	General Store (Line – 1)	61.2	60.1
	Refractory Main Gate	57.1	54.5
	CCR Building Area (Line – 2)	71.3	71.9
	Workshop Area (Line – 2)	58.2	61.8
	Project Gate Area (DSP Unit)	60.7	59.4
	General Store Area (DSP Unit)	57.4	58.6

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