Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	IA/OR/IND/217083/2021
Compliance ID	138529993
Compliance Number(For Tracking)	EC/M/COMPLIANCE/138529993/2025
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!

DCBL/MOEFCC/001/2025-26/121
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 M/s Dalmia Cement Bharat Limited (Line 1 & 2), At/Po. – Rajgangpur, Dist. – Sundargarh, Odisha for the period April 2025 to September 2025.**

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

Dear Sir,

With reference to above captioned subject matter, we are submitting herewith the six-monthly compliance report of the conditions laid down in above Environmental clearance for M/s Dalmia Cement Bharat Limited (Line 1 & 2), At/Po. – Rajgangpur, Dist. – Sundargarh, Odisha for the period 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	Expansion of Clinker Production (1.20 to 2.90 MTPA) and Cement Plant (2.00 to 4.00 MTPA) at Rajgangpur, Sundargarh, Odisha by M/s Dalmia Cement Bharat Limited
Name of Entity / Corporate Office	Dalmia Cement (Bharat) Limited
Village(s)	N/A
District	SUNDARGARH

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

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

Compliance Reporting Details

Reporting Year 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
Revenue Land	91.95	91.95
Forest	0	0
Others	0	0
Total	91.95	91.95

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Clinker	Tons per Annum (TPA)	31/03/2028	2900000	2637076	3300000
2	Cement	Tons per Annum (TPA)	31/03/2028	4000000	3186973	4300000
3	WHRB	MW	31/03/2028	11	55292	11

Conditions

Specific Conditions

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

PPs Submission: Complied The gaseous and particulate matter emissions from various units are well within the prescribed limits. PCEs are provided with automated interlocking facilities. The monitored results of emissions are attached.	Date: 25/10/2025

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

PPs Submission: Complied CEMS have been installed to monitor the gaseous emissions and connected to the Board server and data being transmitted uninterruptedly.	Date: 25/10/2025

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

PPs Submission: Complied Ambient air quality monitoring stations have been installed covering upwind and downwind directions in consultation with OSPCB and monitored data on ambient air quality and stack emission is submitted to OSPCB monthly and Regional Office of Ministry every six months. The last report was submitted on 29.04.2025.	Date: 25/10/2025

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

		& cement grinding areas. Dust suppression system at unloading hoppers, discharge gate of silos and totally closed operations for all belt conveyors & storage etc. shall be used. Raw materials shall store in closed roof sheds & clinker in silos.
PPs Submission: Complied Air pollution control measures and systems are adopted: a. Bag filters have been installed at various transfer points such as loading/ unloading areas. Raw materials are transported through closed conveyor belts. b. CVRMs are equipped with bag filters to control fugitive dust emissions. c. Road sweeping machines have been deployed for regular cleaning of roads. Internal roads are concreted, and truck mounted mist cannon has been deployed to control fugitive emissions. d. Clinker is stored in clinker silo and transported in rakes through hatch adopter system. e. Mist Cannon for dust suppressions have been provided at raw material handling areas.		Date: 25/10/2025
5	AIR QUALITY MONITORING AND PRESERVATION	5. Asphalting/concerning of roads and water spray all around the coal stockpiles shall be carried out to control fugitive emissions.
PPs Submission: Complied Roads are mostly concreted and water fogging through mist cannon is done on the coal stockpiles to control fugitive dust on a regular basis.		Date: 25/10/2025
6	WATER QUALITY MONITORING AND PRESERVATION	6. Total water requirement from the Nakti nala and ground water source shall not exceed 5,788 m3/d including 785 m3/d respectively and prior permission for the drawl of ground water from the State water resources/Minor irrigation Deptt./CGWA shall be obtained. All the treated waste water shall be recycled and reused in the process, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic effluent treated in Sewage Treatment Plant (STP) shall be used for green belt development within the plant and colony area
PPs Submission: Complied The overall noise levels in and around the plant area are within the prescribed limit. Acoustic hoods, silencers and enclosures have been provided in high noise areas. The monitored data are enclosed in the monitoring report attached.		Date: 25/10/2025
7	WASTE MANAGEMENT	7. All the cement dust collected from pollution control devices shall be recycled and reutilized in the process. Char from sponge iron plant of M/s. OCL shall be used as raw material in manufacturing cement and mixed with feed. Hazardous waste viz. Used oil from gear boxes and automotive batteries, etc shall be properly stored in a designated area and sold to authorized recyclers/ re processors.
PPs Submission: Complied a. Dust collected from pollution control devices is re-utilized back in the process. b. Char is used as raw material based on availability. c. Used oil and batteries are stored at designated places before being disposed off to authorized EPR registered recyclers/re-processors.		Date: 25/10/2025
8	WATER QUALITY MONITORING AND PRESERVATION	8. The company must harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
PPs Submission: Complied Surface Run Off is collected and stored in an earthen reservoir to facilitate recharge of ground water and the water stored is being reused for various activities post treatment thereby reducing fresh water requirement.		Date: 25/10/2025
9	GREENBELT	9. Green belt shall be developed in at least 28.0 ha out of total 91.15

		ha land in consultation with the local DFO as per the CPCB guidelines.

PPs Submission: Complied The six-monthly compliance reports including the monitored data are submitted to the statutory bodies periodically. The last report was submitted on 29.04.2025.	Date: 25/10/2025

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

PPs Submission: Complied We are continuously engaging with the local community and surrounding villages through our CSR foundation for community development programs.	Date: 25/10/2025

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

PPs Submission: Complied All the CREP recommendations as per the Charter are being strictly adhered to.	Date: 25/10/2025

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

PPs Submission: Complied High calorific value hazardous waste received from various industries PAN India is used as fuel in our cement kiln as alternate fuel.	Date: 25/10/2025

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

PPs Submission: Complied No such impact is envisaged as all transportation is being done through closed circuit conveyor belts from our captive mines to cement plant. Maximum transportation is being done through railway rakes.	Date: 25/10/2025

General Conditions

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

PPs Submission: Complied Noted and will be strictly adhered to from time to time.	Date: 25/10/2025

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

PPs Submission: Complied Noted and approval from the Ministry will be obtained prior to expansion or modification of the plant.	Date: 25/10/2025

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

	MONITORING AND PRESERVATION	shall be established in the downward direction as well as where maximum ground level concentration of SO2 and NOX are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including Regional Office at Bhubaneswar and OSPCB once in six months.
PPs Submission: Complied Ambient air quality monitoring stations have been installed covering upwind and downwind directions in consultation with OSPCB and monitored data on ambient air quality and stack emission is submitted to OSPCB monthly and Regional Office of Ministry every six months. The last report was submitted on 29.04.2025.		Date: 24/10/2025
4	WATER QUALITY MONITORING AND PRESERVATION	4. Industrial wastewater shall be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. The treated waste water shall be recycled in the plant as well as utilization for plantation purposes.
PPs Submission: Complied Wastewater generated in the plant is re-used in the plant and utilized for plantation post treatment.		Date: 25/10/2025
5	WASTE MANAGEMENT	5. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the OSPCB must be obtained for collection, storage, treatment and disposal of hazardous wastes.
PPs Submission: Complied Hazardous Wastes are being handled, stored, transported and disposed off as per HOWM Rules, 2016 and amendments thereof. Authorization from OSPCB has been obtained in this regard and is valid till 31.03.2028		Date: 28/10/2025
6	Noise Monitoring & Prevention	6. The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under EPA Rules, 1986 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied a. The total water consumption does not exceed the permitted quantity. b. No ground water is used for industrial purposes. c. Wastewater generated is recycled and reused for dust suppression, green belt development and other low end uses. d. Domestic waste water is treated in STP.		Date: 25/10/2025
7	MISCELLANEOUS	7. The project proponent shall comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment / Environmental management Plan.
PPs Submission: Complied All the environmental protection measures and safeguards recommended in EIA/EMP are being complied with.		Date: 25/10/2025
8	MISCELLANEOUS	8. As proposed in EIA / EMP, Rs.31.82 Crores and Rs.2.64 Crores earmarked toward the capital cost and recurring the expenditure / annum for environmental protection measures shall be used judiciously to implement the conditions as well as Ministry of Environment and forests as well as the State Government. The funds

		so provided shall not be diverted for any other purposes.
PPs Submission: Complied The funds earmarked for environmental protection have been utilized for implementation of protection measures and have not been diverted for any other purpose.		Date: 25/10/2025
9	MISCELLANEOUS	9. The Regional Office of this Ministry at Bhubaneswar / Central Pollution Control Board / OSPCB shall monitor the stipulated conditions. A six-monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly
PPs Submission: Complied The six-monthly compliance reports including the monitored data are submitted to the statutory bodies periodically. The last report was submitted on 29.04.2025.		Date: 24/10/2025
10	Statutory compliance	10. The project authorities should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the state pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in This shall be advertised within seven days from the date of issues of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.
PPs Submission: Complied The grant of Environmental Clearance has been published in two local newspapers i.e. The Samaj (Odia) and The New Indian Express (English) dated 11.04.2007		Date: 25/10/2025
11	MISCELLANEOUS	11. The project Authorities shall inform the Regional Office as well as The Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
PPs Submission: Complied Noted and date of financial closure will be intimated.		Date: 25/10/2025

Visit Remarks

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

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**

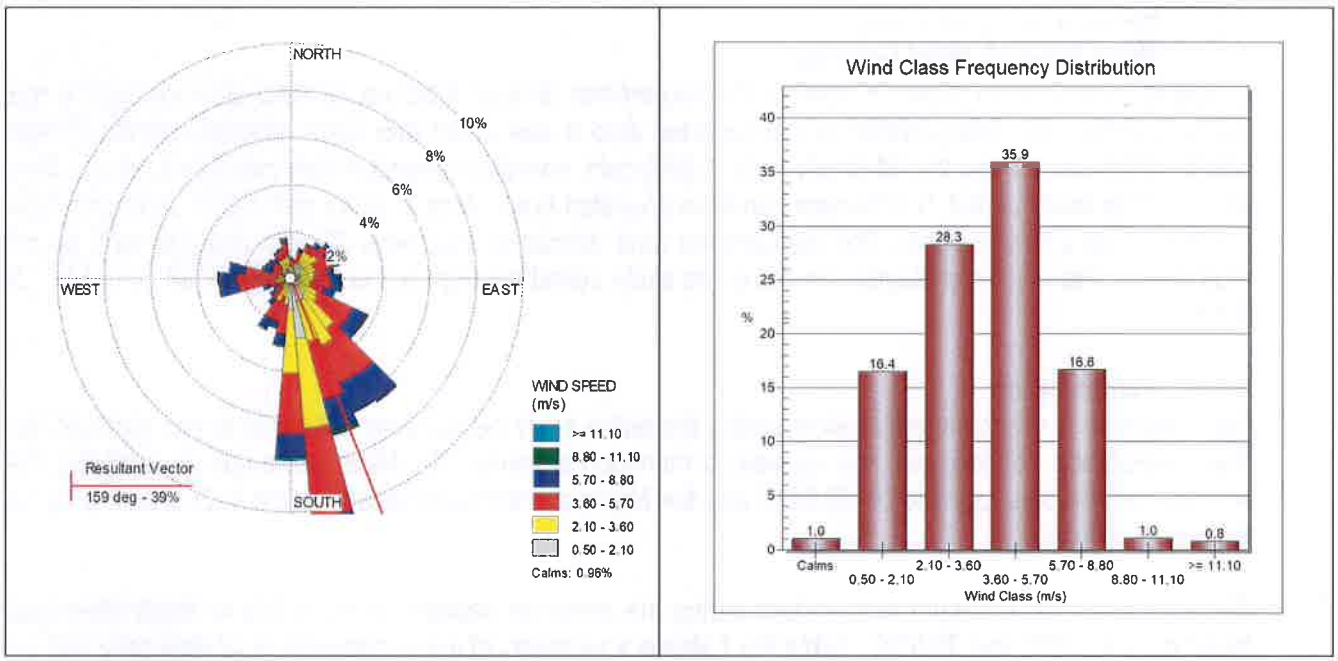

Figure No: 1.2 **Wind Rose Diagram from 06 – 14 Hours**

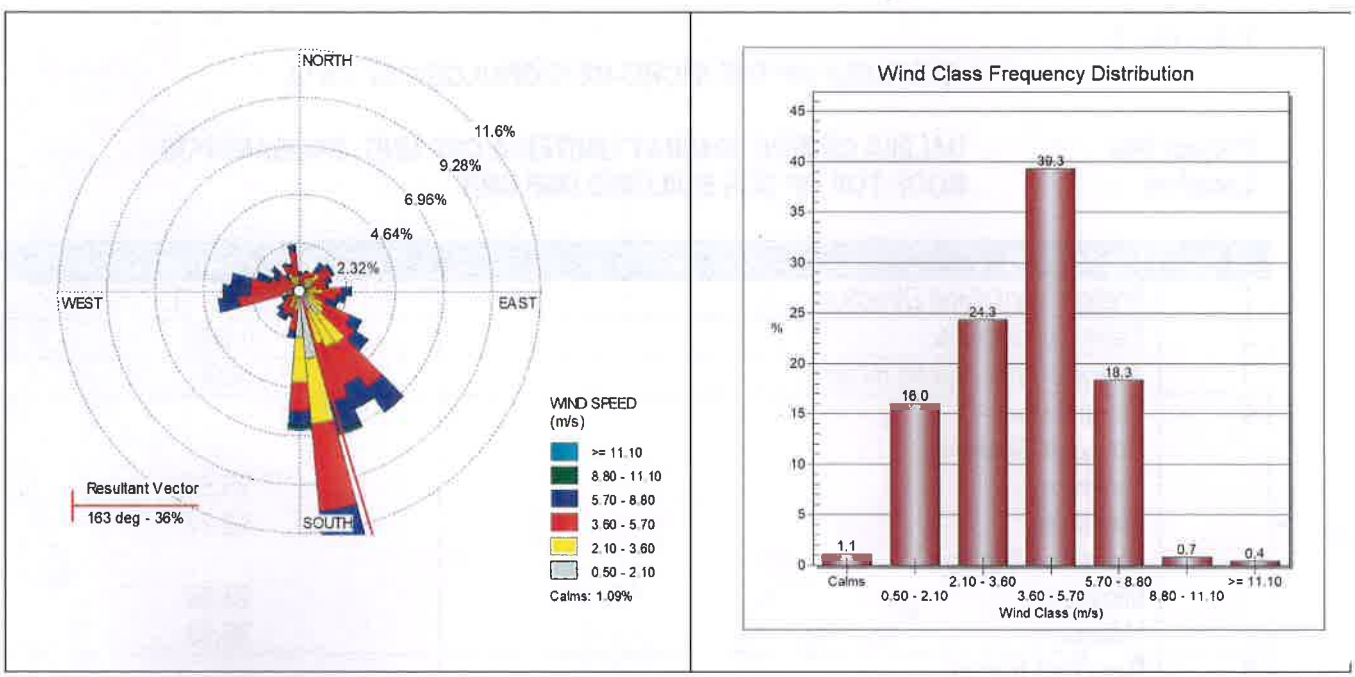

Figure No: 1.3 **Wind Rose Diagram from 14 – 22 Hours**

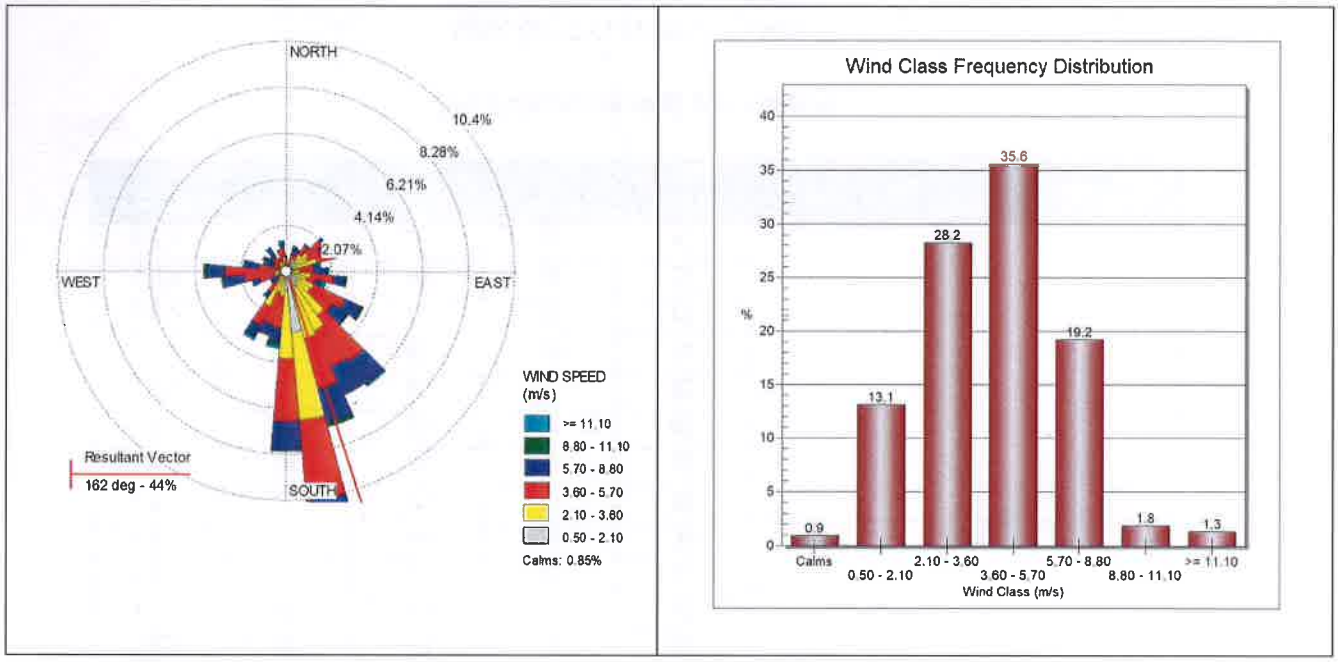

Figure No: 1.4 **Wind Rose Diagram from 22 – 06 Hours**

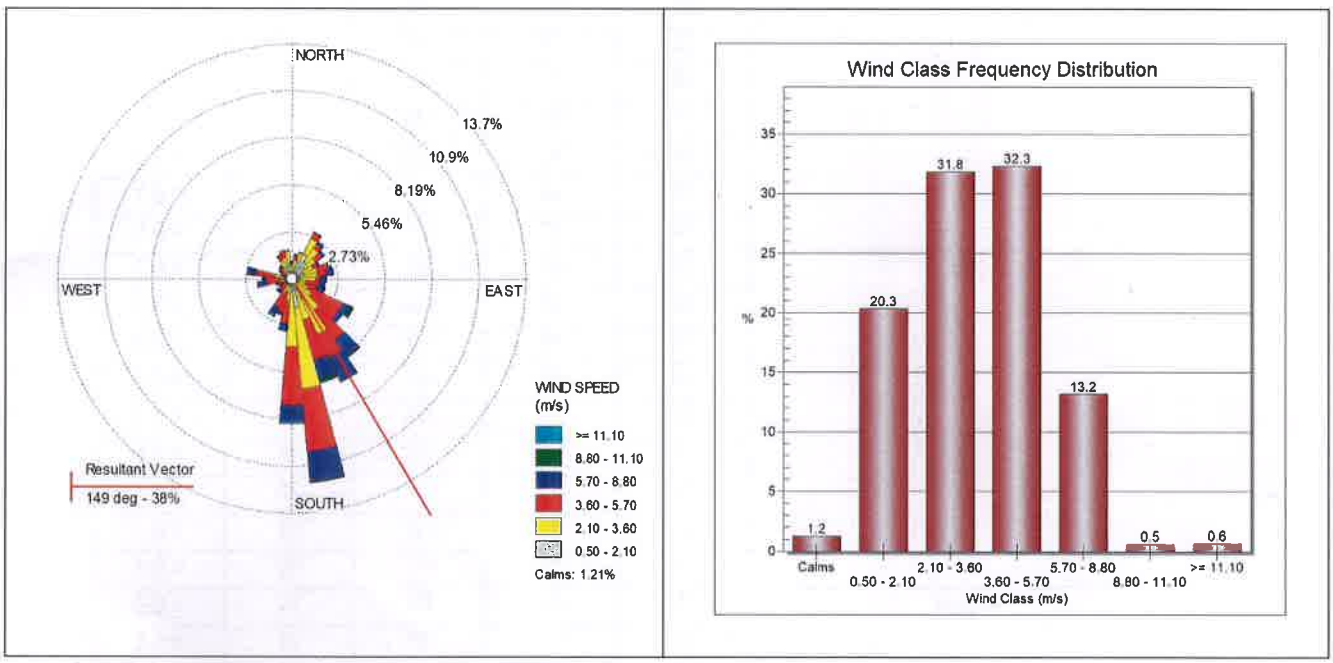

Table No: 2

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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