Prakash Industries Limited

(REGIONAL OFFICE)
93, 1st Floor, Kharavel Nagar, Unit-3, Bhubaneswar- 751001 (Odisha)
CIN : L27109HR1980PLC010724
Tele : 9437561184, 9438428464
E-mail : steel.power@rediffmail.com / sirkaguttumines@prakash.com
Website – www.prakash.com

Ref: PIL/SIOM/KJR/2026-27/273 **Date : 21.10.2026**

To,
The Member Secretary,
State Environment Impact Assessment Authority,
Ministry of Environment Forest & CC, (GOI),
Qr. No. 5RF-2/1, Unit – IX,
Bhubaneswar – 751022 (Odisha)

Sub.: Submission of Six Monthly Compliance Report towards the conditions stipulated in the Environment Clearance issued on dated 06.01.2017 along with Monitoring Data for Ambient Air, Water, Noise, Solid Waste, etc. for the period from April 2026 to September 2026 in respect of Sirkaguttu Iron & Manganese Ore Mine of M/s. Prakash Industries Limited in Keonjhar district of Odisha.

Ref.: 1. Environment Clearance no. SEIAA/ 2401 dated 06.01.2017.

Sir,

This has reference to the above mentioned subject. As per the provisions, we are submitting herewith six monthly Compliance Report along with Environmental Monitoring Data for Ambient Air, Water, Noise, Solid Waste, Expenses incurred for Environmental Management & Corporate Social Responsibility and Green Belt development during the period April 2026 to September 2026 of Sirkaguttu Iron & Manganese Ore Mines for which Environment Clearance was granted vide above referred letter.

We hope you will find the same in order.

Thanking you,

Yours faithfully,
For **PRAKASH INDUSTRIES LIMITED,**
For PRAKASH INDUSTRIES LTD.
Authorised Signatory
Deepak Dash
President

Encl.: As above.

GOVT. OF INDIA
MoEF & CC Integrated R.O.
Bhubaneswar-751023
22 OCT 2026
RECEIVED

No.....Dt.....
RECEIVED
22 OCT 2026
S.P.C. BOARD
BHUBANESWAR

CC TO :

The Additional Principle Chief Conservator of Forest, Environment, Forests and Climate Change, (MoEF&CC), (Govt. of India), Regional Office, East Zone (EZ),A-31, Chandrasekharpur, Bhubaneswar, (Odisha)	**: For favour of information please.**
The Member Secretary, State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII, Bhubaneswar, (Odisha) 751012	
The Regional Director, Central Pollution Control Board (CPCB), Kasba New Market, Sector E, East Kolkata Twp, Kolkata, (West Bengal) 700107	
The Regional Officer, State Pollution Control Board, Keonjhar, (Odisha)	

SIRKAGUTTU IRON & MANGANESE ORE MINES

Compliance status on Environmental Clearance vide letter No. SEIAA/2401 dated. 06.01.2017 for Production of Iron & Manganese Ore -1.325 MTPA

Sl. No.	Condition as per Environmental Clearance dated. 06.01.2017	Current status of Compliance
1	The applicant (Project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by him in Form-1, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.	Project proponent has consented to the conditions.
2	The applicant will take necessary steps for socio-economic development of the people of the area on need based assessment for providing employment, education, health care, drinking water and sanitation, road and communication facilities etc.	Project proponent is taking all necessary steps for socio-economic development of the people of the area on need based assessment for the overall development of the affected village & nearby villages.
3	The applicant will comply to the points, concerns and issues raised by the people during public hearing on 24.06.2016 in accordance with the commitments made by him thereon.	As per the commitment made during the public hearing, the Project Proponent has under taken following works: (1) Medical treatment & Supply of medicines to the people of nearby villages and workers of the mine is being provided in free of cost regularly by establishing a Health Care centre at the mine with full time Pharmacist. (2) Drinking Water is being supplied to the nearby villages with the help of water tankers. (3) More than 116 local personnel's have been engaged in the mine for the Mining Operations & financial assistance given to 72 persons. (4) 6 Nos. of Teachers have been appointed in the local schools for promotion of Education. (5) Connecting road to the villages are being maintained regularly to keep it always in motorable condition. (6) Sprinkling of water is being carried out with the help of water tankers for suppression of dust on transportation road

		as well as inside Mine Roads. (7) Financial assistance is being provided to the village people for promotion of social & cultural programme etc. Family Compensation to 166 families @ Rs. 3000/- per family per month is being paid. Compliance of the same is attached as **Annexure – I.**
4	The applicant will take statutory clearance/ approval/ permissions from the concerned authorities in respect of his project as and when required.	Project proponent has taken all statutory clearance /approval / permissions from the concerned authorities in respect of his project as and when required.
5	For post environmental clearance monitoring, the applicant will submit half-yearly compliance report in respect of the stipulated terms and conditions of Environmental Clearance to the State Environmental Impact Assessment Authority (SEIAA), Odisha, State Pollution Control Board (SPCB), Odisha & Regional Office of the Ministry of Environment & Forest, Odisha on 1st June and 1st December of each calendar year.	Complied. Six monthly compliance report for the period from October-2025 to March-2026 has been submitted to the SEIAA, SPCB & RO, MoEF&CC vide letter no. PIL/SIOM/KJR/2026-27/63, dated 18.05.2026. Presently we are submitting the compliance report from April – 2026 to September – 2026.
6	The core zone should be monitored intensively with no. of stations as prescribed by CPCB, Delhi and unit of pollutant level should be expressed as NAAQ of CPCB, Delhi. The detailed methodology adopted for analysis of samples shall be clearly indicated.	Complied. Project Proponent has installed two AAQ stations within the core zone. Monitoring and analysis are carried out regularly and parameters are within the prescribed norms. Environmental monitoring is being carried out by MOEF&CC accreditated laboratory, "Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar" and analysis report & the monitoring reports are being submitted to SPCB regularly. Details of monitoring data are given as **Annexure – II.**
7	The proponent shall submit baseline data on flora & fauna and CSR activities already carried out within three months to the SEIAA.	Complied. The details of CSR activities undertaken is enclosed as **Annexure – III.**
8	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	Project Proponent has installed one AAQ station in buffer zone Monitoring and analysis are carried out regularly.
9	The following shall be implemented viz. (a) dump run-off should be diverted into settling ponds (b) adequate rain water harvesting and ground water recharging facilities should be developed in the core zone; (c) attempt should be made to achieve zero water balance.	Project proponent has consented to the conditions. Project proponent has provided settling pond & garland drain as per requirement. The location of rainwater harvesting system have been identified and recharge pits have been constructed. Project is maintaining zero discharge condition.
10	Maintenance of roads through which transportation of ores are undertaken shall be	Project proponent has consented to the conditions.

	carried out by the project proponent regularly at its own cost.	Maintenance of road is being carried out properly for transportation of Minerals.
11	Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records shall be submitted to the SEIAA, Odisha.	Project proponent has consented to the conditions. Project proponent has provided dry fog system at crushing & screening plants for control of fugitive dust generations. Apart from this, regular water sprinkling on haul roads is being carried out. Plantation programme has also been initiated in safety zone of the mine. Monitoring of dust emission is being carried out regularly and data are being submitted to the SEIAA, Odisha. Details of monitoring data given as **Annexure – IV.**
12	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Complied. Water tankers fitted with sprinklers have been engaged for control of dust at loading and unloading area & mineral handling area. Maintenance of dust control system is also being carried out regularly to keep those always operational.
13	Transportation of ore shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore / dust takes place.	Complied. All the transporting trucks are covered with tarpaulin to prevent spillage of materials & emission of dust during transportation. The photographs of trucks with tarpaulin cover is enclosed as per **Annexure – V.**
14	Rain water harvesting shall be undertaken to recharge the ground water source.	Project proponent has consented to the conditions. The recharge pits have been constructed.
15	Monitoring of ground and surface water quality shall be regularly conducted and records should be maintained and data shall be submitted regularly to the SEIAA, Odisha.	Complied. The regular monitoring and analysis of surface water is being carried out by the MOEF&CC's accreditated laboratory "Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar" All the parameters of the monitoring and analysis report are within the prescribed norms. The analysis reports are being submitted to SEIAA, Odisha regularly and details of analysis data given as per **Annexure – VI.**
16	The proponent shall ensure that no silt originating due to mining activity is transported in the surface water course. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be	Project proponent has consented to the condition. All precautions are being taken to check the silt & soil erosion. Construction of Retaining wall around the dump has been constructed for its protection. Thick

	carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	plantation of native trees have been developed at the dump slopes.
17	Trenches / garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies. Adequate number of Check Dams shall be constructed across seasonal/perennial nallahs (if any) flowing through the ML area and silts be arrested. De-silting at regular intervals shall be carried out.	Project proponent has consented to the conditions. Garland drains have been provided around dump area followed by settling pond at the end and de-silting of Garland drains & settling tank are being under taken as and when required. No seasonal as well as perennial nallas are flowing through the ML Area.
18	Provision shall be made for the housing of the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied. Since all the labours are from the nearby villages, there is no need to provide infrastructural facilities within the ML area. Mobile toilets, mobile STP, safe drinking water, medical health care has been provided to the labours & workers. However, all facilities under Mines Act has been provided.
19	Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. The Proponent shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required. Occupational Health Centre shall be established near the mine site itself.	Project proponent has consented to the conditions. Project proponent has established a Health Care Centre at Mine with full time Pharmacist for checking health of workers and employees. Regular health check up and free medicine supply to workers is going on and records are being maintained. Initial Medical Examination of employees has been undertaken and all records of IME are kept at mines office.

20	Shelter belt i.e. Wind Break of 15 m width and consisting of at least 5 tiers around lease facing the human habitation, school / agricultural fields etc. (if any in the vicinity), in the safety zone/ back-filled & reclaimed areas, around voids & roads shall be raised. Green belt development and selection of plant species shall be as per CPCB guidelines. Density of the trees has to be around 2500 plants per hectare. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. Help & guidance of local DFO may be sought in the matter. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the SEIAA, Odisha within six months.	Project proponent has consented to the conditions. Necessary steps have been initiated for development of green belt as per CPCB guidelines. Always prefers local species for green belt development. Project proponent has purchased total 7340 nos. of seedlings from Forest department and nearby nurseries, these plants have been planted at mines and nearby areas till the month of September-2026. In the year of 2026 nearly 2000 plants was planted.
21	This Environmental Clearance is subject to Forest Clearance under the Forest (Conservation) Act, 1980.	Complied. Forest Clearance (Stage II) has been obtained vide letter no. 5-ORB217/2014-BHU dated 12.02.2019.
22	The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table.	Project proponent has consented to the conditions.
23	The top soil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long (not more than 3 years). The topsoil shall be used for land reclamation and plantation.	Project proponent has consented to the conditions. The top soil so generated is being kept over an identified area and is being used for plantation purpose in the safety zone & other places.
24	The over burden (OB) generated during the mining operation shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and its phase-wise stabilization shall be carried out. Proper terracing of OB dump shall be carried out so that the overall slope shall not exceed 28^0 Backfilling shall be done as per approved mining plan. Back-filling to start from 3rd year onwards of the mining operation & the entire quantity of waste generated shall be backfilled & liquidated within five years. There shall be no external over-burden dumps after the 6th year of the mining operation. The backfilled area shall be afforested. Back-filling has to be done in a manner that it is restored to the normal ground level. Monitoring & management of rehabilitated areas should continue till the vegetation is established & becomes self-generating. Compliance status to be reported to the appropriate authorities.	Project proponent has consented to the conditions. The overburden generated during the mining operation are being dumped at the earmarked area. Some quantity has also been backfilled as per the Approved Mining Plan.

25	The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this funds shall be diverted for other purposes. Year-wise expenditure for this fund should be reported to the SEIAA, Odisha.	Complied. Project proponent is keeping separate funds for implementation of various environmental protection measures. The funds earmarked for the environmental protection measures are not diverted for any other purposes. Fund allocated for environmental protection measures and expenses incurred are enclosed herewith as **Annexure – VII.**
26	The critical parameters in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, pH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.	Project proponent has consented to the conditions. The regular monitoring of ambient air is being carried out by the MOEF&CC accreditated laboratory, "Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar". All the parameters of the monitoring report are within the prescribed norms. The monitored data has been uploaded on the website of the company and displayed on a display board near main gate.
27	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the SEIAA 5 years in advance of final mine closure for approval.	Project proponent has consented to the conditions and shall be complied.
28	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) required for the project.	Complied. Agreement with Govt. of Odisha (Water Resources Department) for drawl of 32 KLD surface water has been made. The water tax fee is being paid every month to the department regularly.
29	The project proponent shall prepare wild life conservation plan in consultation with DFO and adequate safety and mitigation measures should be incorporated to protect the wild life, flora, fauna to mitigate adverse impact.	Complied. The Site Specific WLCP has been approved on dated 25.07.2017 for protection of wild life, Flora & Fauna.
30	The Proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copy of the clearance letter is available in the website of the SEIAA, Odisha and the Odisha State Pollution Control Board (OSPCB) and may also be seen on the website of the Board. The advertisement	Complied. Project proponent has published it on 14.01.2017.

	should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of MoEF & CC, Bhubaneswar.	
31	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied. The copy of environment clearance letter has been sent to concerned Panchayats, Zila Parisad/ Municipal Corporation, Urban Local Body.
32	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tahsildar's Office for 30 days.	Complied.
33	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall be put on the website of the company along with the status of compliance of Environmental Clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment, Forests and Climate Change, Bhubaneswar and SEIAA, Odisha by e-mail.	Complied. Environmental statement for the period of April 2025 to March 2026 has been submitted to MoEF & CC, SEIAA & SPCB vide PIL/SIOM/ENV-STATEMENT/2026-27/64 dated 16.05.2026.
34	The Proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied.
35	No change in mining technology and scope of working should be made without prior approval of the SEIAA, Odisha.	Project proponent has consented to the conditions.
36	No change in the calendar plan including excavation, quantum of mineral and waste should be made.	Project proponent has consented to the conditions.
37	The SEIAA, Odisha reserves the right to alter and modify the conditions and add additional safeguard measures or stipulate any further condition subsequently, if found necessary, and to take action including revoking of the	Project proponent has consented to the conditions.

	environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner. The SEIAA, Odisha may revoke or suspend the order, if implementation of any of the stipulated conditions is not satisfactory.	
38	The above conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Odisha and any other Court of Law relating to the subject matter.	Project proponent has consented to the conditions.
39	That the grant of this Environment Clearance is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the project proponent.	Project proponent has consented to the conditions.
40	Any appeal against the clearance lies 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.	Project proponent has consented to the conditions.

For PRAKASH INDUSTRIES LTD.

Authorised Signatory

Annexure - I

Public Hearing Points & Compliance

Sl. No.	Public hearing issues raised on 24.06.2016	Compliance	Expenditure (In Rs.)
1	Development of Road	Initially there was a narrow kachha road connecting Sirkaguttu village with the nearby village Mithirda which is 5.0 km away from the mines. The road has been expanded and developed to a metal road by the company and the road is being maintained regularly to keep it always in motorable condition.	Rs.32,33,785/-
2	Electricity facility	Earlier, Electric power was not supplied to the Sirkaguttu village. After discussion with the electricity department by the company, the process for supply of electric power to the village was under taken and during the month of April'21, electric power was supplied to the village. In the mean time the company had provided street light & accessories to the village.	Rs.1,21,970/-
3	Health facility	Earlier, there was no hospital or primary health center in the village. People were traveling to nearby Government Hospital, Kalimati to get the medical treatment, which is 14 km away from the sirkaguttu village. Since April 2019 we have established a dispensary in the village with a full time pharmacist to provide medical treatment to the villagers. We are supplying free medicine to all the villagers and nearby people. Serious patients are being taken to the Kalimati and Keonjhar Hospitals with the help of company ambulance.	Rs.11,23,173/-
4	Supply of drinking water	Two water tankers have been engaged by the company for supply of drinking water to the nearby villages every day. In addition to this, drinking water is also being supplied to the Sirkaguttu village through pipeline connection from an over head tank constructed by the company.	Rs.6,41,500/-
5	Vocational education	For the promotion of education, the company has appointed Six teachers in the local schools.	Rs. 3,37,704/-
6	Employment	We have appointed 188 nos. of local people for mining work in different post according to their ability and qualification. In addition to this, we are paying monthly compensation to all the families (166 Nos.) of Sirkaguttu Village @ Rs 3000/- per family for the betterment of their livelihood.	Rs. 2,43,06,341/-

For PRAKASH INDUSTRIES LTD.

Authorised Signatory

Annexure - II

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & BS OHSAS 45001 2018 Certified Company, Empanelled with OCCL, OHSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha Enlisted in Construction Industry Development Council (CIDC), established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India. NABL Recognized Environment Laboratory under Environment (Protection) Act, 1986

Report No.: CEMC/PIL/230426/AAQ **Date: 23.04.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Air Quality

  A1 – Near Guest House
  A2 – Near Office
  A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

Sl. no.	Station Code	Date of Monitoring	Results				
			PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)	CO (mg/m³)
1	A1	15.04.2026	50.8	24.2	7.4	13.7	0.12
2	A2	16.04.2026	56.2	27.6	8.2	15.6	0.16
3	A3	17.04.2026	64.4	31.2	9.1	17.4	0.23
CPCB Standards (24 hrly)			100	60	80	80	4
Testing Method			IS05182 (Part-23) RA2019	IS05182 (Part-24) RA2019	IS05182 (Part-2) RA2017	IS05182 (Part-6) RA2012	IS0 5182 (Part 10) RA2009

Note: BDL value for CO-<0.11 mg/m³

Authorized Signatory

Seal of Laboratory

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & BS OHSAS 46001:2018 Certified Company, Empanelled with OCCL, OPSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha Enlisted in Construction Industry Development Council (CIDC), established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India, NABL, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Report No.: CEMC/PIL/210426/NL **Date: 21.04.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Noise Level

NL1 – Near Guest house
NL2 – Near Office
NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results [dB(A)]					
			Day (06:00 - 22:00 hr)			Night (22:00 - 06:00 hr)		
			max	min	avg*	max	min	avg*
1	NL1	15.04.2026	44.8	30.5	40.2	31.6	25.1	30.6
2	NL2	16.04.2026	50.6	31.2	43.6	33.4	30.3	31.8
3	NL3	17.04.2026	61.2	31.9	54.4	34.8	30.6	32.6

Ambient Soise Standard	Day Time [dB(A)]	Night Time [dB (A)]
Industrial	75	70
Commercial	65	55
Residential	55	45

**Logarithmic Averages, BDL Limit: 30dB (A) All Values in dB (A)*

BPDas
Authorized Signatory

Seal of Laboratory

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & BS OHSAS 45001:2018 Certified Company, Empanelled with DGCI, ORSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization Empanelled with PCCF(Wildlife) & CWLW, Odisha Enlisted in Construction Industry Development Council (CIDC), established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India. NABL Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Report No.: CEMC/PIL/180526/AAQ **Date: 18.05.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Air Quality

  A1 – Near Guest House
  A2 – Near Office
  A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

Sl. no.	Station Code	Date of Monitoring	Results				
			PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)	CO (mg/m³)
1	A1	11.05.2026	52.1	24.8	7.7	14.4	0.15
2	A2	12.05.2026	55.7	27.9	7.5	14.7	0.18
3	A3	13.05.2026	67.2	32.8	8.1	15.1	0.21
CPCB Standards (24 hrly)			**100**	**60**	**80**	**80**	**4**
Testing Method			**ISO 5182 (Part-23) RA2019**	**ISO 5182 (Part-24) RA2019**	**ISO 5182 (Part 2) RA2017**	**ISO 5182 (Part 6) RA2012**	**ISO 5182 (Part 10) RA2009**

Note: BDL value for CO-<0.11 mg/m³

BPDas
Authorized Signatory

Seal of Laboratory

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001:2015 & BS OHSAS 45001:2018 Certified Company. Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha Enlisted in Construction Industry Development Council (CIDC), established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India, NABL Recognized Environment Laboratory under Environment (Protection) Act, 1986

Report No.: CEMC/PIL/160526/NL **Date: 16.05.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd
- Type of Sample : Ambient Noise Level

NL1 – Near Guest house
NL2 – Near Office
NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results [dB(A)]						Category of Area
			Day (06:00-22:00 hr)			Night (22:00-06:00 hr)			
			max	min	avg*	max	min	avg*	
1	NL1	11.05.2026	45.2	31.7	39.6	31.9	20.6	28.4	Residential
2	NL2	12.05.2026	49.6	32.5	40.8	32.1	24.3	29.8	Commercial
3	NL3	13.05.2026	58.1	32.8	45.2	32.7	23.1	29.1	Industrial

Ambient Soise Standard	Day Time [dB(A)]	Night Time [dB (A)]
Industrial	75	70
Commercial	65	55
Residential	55	45

**Logarithmic Averages, BDL Limit, 30dB (A) All Values in dB (A)*

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Report No.: CEMC/PIL/230626/AAQ **Date: 23.06.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Air Quality
  A1 – Near Guest House
  A2 – Near Office
  A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

Sl. no.	Station Code	Date of Monitoring	Results				
			PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)	CO (mg/m³)
1	A1	16.06.2026	48.5	27.3	7.3	13.7	0.17
2	A2	17.06.2026	50.2	29.6	7.1	14.3	0.15
3	A3	18.06.2026	52.4	31.2	7.9	14.8	0.19
CPCB Standards (24 hrly)			100	60	80	80	4
Testing Method			ISO 5182 (Part-23) RA2019	ISO 5182 (Part-24) RA2019	ISO 5182 (Part-2) RA2017	ISO 5182 (Part-6) RA2012	ISO 5182 (Part 10) RA2009

Note: BDL value for CO-<0.11 mg/m³

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Report No.: CEMC/PIL/200626/NL **Date: 20.06.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Noise Level

NL1 – Near Guest house
NL2 – Near Office
NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results [dB(A)]						Category of Area
			Day (06:00-22:00 hr)			Night (22:00-06:00 hr)			
			max	min	avg*	max	min	avg*	
1	NL1	16.06.2026	47.9	31.8	41.3	31.9	25.1	30.8	Residential
2	NL2	17.06.2026	53.1	33.1	45.9	31.1	27.8	30.3	Commercial
3	NL3	18.06.2026	58.5	33.7	49.1	32.3	30.7	31.6	Industrial

Ambient Soise Standard	Day Time [dB(A)]	Night Time [dB (A)]
Industrial	75	70
Commercial	65	55
Residential	55	45

**Logarithmic Averages, BDL Limit, 30dB (A) All Values in dB (A)*

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Report No.: CEMC/PIL/150726/AAQ **Date: 15.07.2026**

- Name of the Industries : M/s Prakash Industries ltd
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd
- Type of Sample : Ambient Air Quality
  - A1 – Near Guest House
  - A2 – Near Office
  - A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

Sl. no.	Station Code	Date of Monitoring	Results				
			PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)	CO (mg/m³)
1	A1	08.07.2026	37.5	16.5	7.1	12.5	0.16
2	A2	09.07.2026	39.6	20.1	6.3	11.3	0.12
3	A3	10.07.2026	42.7	23.9	6.8	14.9	0.19
CPCB Standards (24 hrly)			100	60	80	80	4
Testing Method			ISO 5182 (Part-23) RA2019	ISO 5182 (Part-24) RA2019	ISO 5182 (Part-2) RA2017	ISO 5182 (Part-6) RA2012	ISO 5182 (Part 10) RA2009

Note: BDL value for CO = 0.11 mg/m³

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Report No.: CEMC/PIL/130726/NL **Date: 13.07.2026**

- Name of the Industries : M/s Prakash Industries ltd
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Noise Level

NL1 – Near Guest house
NL2 – Near Office
NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results [dB(A)]						Category of Area
			Day (06:00-22:00 hr)			Night (22:00-06:00 hr)			
			max	min	avg*	max	min	avg*	
1	NL1	08.07.2026	44.5	31.3	39.8	30.1	26.5	28.7	Residential
2	NL2	09.07.2026	51.9	32.7	47.3	31.3	17.2	29.8	Commercial
3	NL3	10.07.2026	57.3	33.1	51.5	32.9	29.4	31.2	Industrial

Ambient Soise Standard	Day Time [dB(A)]	Night Time [dB (A)]
Industrial	75	70
Commercial	65	55
Residential	55	45

**Logaridmic Averages, BDL Limit: 30dB (A) All Values in dB (A)*

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Report No.: CEMC/PIL/260826/AAQ **Date: 26.08.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : Aug 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Air Quality

  A1 – Near Guest House
  A2 – Near Office
  A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

Sl. no.	Station Code	Date of Monitoring	Results				
			PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)	CO (mg/m³)
1	A1	20.08.2026	38.9	17.2	5.4	11.3	0.14
2	A2	21.08.2026	42.1	23.6	5.8	10.2	0.11
3	A3	22.08.2026	40.3	19.4	6.9	11.6	0.17
CPCB Standards (24 hrly)			100	60	80	80	4
Testing Method			ISO 5182 (Part-23) RA2019	ISO 5182 (Part-24) RA2019	ISO 5182 (Part 2) RA2017	ISO 5182 (Part 6) RA2012	ISO 5182 (Part 10) RA2009

Note: BDL value for CO=<0.11 mg/m³

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Report No.: CEMC/PIL/250826/NL

Date: 25.08.2026

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : Aug 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd
- Type of Sample : Ambient Noise Level

NL1 – Near Guest house
NL2 – Near Office
NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results [dB(A)]						Category of Area
			Day (06:00-22:00 hr)			Night (22:00-06:00 hr)			
			max	min	avg*	max	min	avg*	
1	NL1	20.08.2026	42.7	30.8	37.5	30.8	27.1	27.4	Residential
2	NL2	21.08.2026	54.5	30.2	45.8	31.4	23.6	28.2	Commercial
3	NL3	22.08.2026	59.2	32.1	48.2	32.9	28.5	30.7	Industrial

Ambient Soise Standard	Day Time [dB(A)]	Night Time [dB (A)]
Industrial	75	70
Commercial	65	55
Residential	55	45

**Logarithmic Averages, BDL Limit: 30dB (A) All Values in dB (A)*

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Report No.: CEMC/PIL/210926/AAQ **Date: 21.09.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Air Quality

  A1 – Near Guest House
  A2 – Near Office
  A3 – Near Weigh Bridge

ANALYSIS RESULTS OF AMBIENT AIR QUALITY

Sl. no.	Station Code	Date of Monitoring	Results				
			PM_{10} (µg/m³)	$PM_{2.5}$ (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)	CO (mg/m³)
1	A1	14.09.2026	51.3	19.8	7.5	11.1	BDL
2	A2	15.09.2026	56.8	22.5	7.9	11.8	BDL
3	A3	16.09.2026	59.1	28.4	8.3	14.1	0.15
CPCB Standards (24 hrly)			100	60	80	80	4
Testing Method			IS05182 (Part-23) RA2019	IS05182 (Part-24) RA2019	IS05182 (Part-2) RA2017	IS05182 (Part-6) RA2012	IS 5182 (Part 10) RA2009

Note: BDL value for CO- <0.11 mg/m³

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Report No.: CEMC/PIL/190926/NL **Date: 19.09.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Noise Level

NL1 – Near Guest house
NL2 – Near Office
NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results {dB(A)}						Category of Area
			Day (06:00-22:00 hr)			Night (22:00-06:00 hr)			
			max	min	avg*	max	min	avg*	
1	NL1	14.09.2026	48.3	31.1	40.5	30.9	BDL	30.3	Residential
2	NL2	15.09.2026	53.5	33.3	48.7	31.8	30.5	31.1	Commercial
3	NL3	16.09.2026	59.1	33.9	51.2	32.5	31.1	31.9	Industrial

Ambient Soise Standard	Day Time [dB(A)]	Night Time [dB (A)]
Industrial	75	70
Commercial	65	55
Residential	55	45

**Logarithmic Averages, BDL Limit: 30dB (A)*
All Values in dB (A)

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Annexure - III

DETAILS OF CORPORATE SOCIAL RESPONSIBILITY EXPENSES

Sl. No.	For the period of April – 2026 to September – 2026 Details of important work done at site (Panchayat/ Villages) etc	Expenses (In Rs.)
1	**Drinking Water Facility** (Engagement of water tanker for supply of drinking water to the nearby village and expenditure for supply of drinking water through pipeline.)	**Rs. 6,41,500/-**
2	**Promotion of Education** (Teacher's salary)	**Rs. 3,37,704/-**
3	**Health care** (Supply of medicine, Salary paid to Pharmacist & other medical Staffs, Ambulance, etc.)	**Rs. 11,23,173/-**
4	**Environmental awareness** (Plantation, solar connection and water sprinkling on transportation road for suppression of dust)	**Rs. 12,04,944/-**
5	Family Compensation paid to the Villagers	**Rs. 55,09,500/-**
6	Development of Village Road	**Rs. 26,33,785/-**
7	Financial assistance to the nearby villages for religious and cultural activities, sports competition etc.	**Rs. 2,05,500/-**
8	Miscellaneous (Infrastructure development, expenses reference to social welfare activities etc.)	**Rs. 6,00,000/-**
	Grand Total =	**Rs.1,22,56,106/-**

For PRAKASH INDUSTRIES LTD.

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Annexure- IV

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

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Report No.: CEMC/PIL/230426/FE **Date: 23.04.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Fugitive Emission

FE1 – Near Screening Plant
FE2 – Near Crushing Plant
FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code	Date of Monitoring	Souce of Distance	Results
				PM (µg/m³)
1	FE1	15.04.2026	25 M	405
2	FE2	16.04.2026	25 M	424
3	FE3	17.04.2026	25 M	397
CPCB Standards(8hrly)				1200 µg/m³
Testing Method				Gravimetric Method

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Report No.: CEMC/PIL/210426/WZNL **Date: 21.04.2026**

- Name of the Industries : M/s Prakash Industries ltd
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant
WZNL2 – Near Crushing Plant
WZNL3 – Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

Sl. no.	Time (Hrs.)	Results in dB(A)		
		WZNL1	WZNL2	WZNL3
		Source of distance 25 m	Source of distance 25 m	Source of distance 25 m
		15.04.2026	16.04.2026	17.04.2026
1	8.00 AM	46.2	50.6	48.2
2	9.00 AM	55.8	53.4	54.8
3	10.00 AM	63.4	58.6	61.6
4	11.00 AM	69.2	65.2	67.3
5	12.00 AM	72.5	70.9	70.4
6	1.00 PM	66.3	67.5	73.5
7	2.00 PM	59.2	62.4	68.3
8	3.00 PM	56.6	58.6	61.2
	Max.	**72.5**	**70.9**	**73.5**
	Min.	**46.2**	**50.6**	**48.2**
	Avg.	**61.15**	**60.90**	**63.16**
Prescribed OSHA Norm for Work Zone Area(8hrly)		**90 dB(A)**		

** All Values in dB (A)*

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Report No.: CEMC/PIL/180526/FE **Date: 18.05.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Fugitive Emission

FE1 – Near Screening Plant
FE2 – Near Crushing Plant
FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code	Date of Monitoring	Souce of Distance	Results
				PM (µg/m³)
1	FE1	11.05.2026	25 m	458
2	FE2	12.05.2026	25 m	481
3	FE3	13.05.2026	25 m	475
CPCB Standards(8hrly)				1200 µg/m³
Testing Method				Gravimetric Method

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Report No.: CEMC/PIL/160526/WZNL **Date: 16.05.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant
WZNL2 – Near Crushing Plant
WZNL3 – Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

Sl. no.	Time (Hrs)	Results in dB(A)		
		WZNL1	WZNL2	WZNL3
		Source of distance 25 m	Source of distance 25 m	Source of distance 25 m
		11.05.2026	12.05.2026	13.05.2026
1	8.00AM	56.2	60.4	63.7
2	9.00AM	60.4	65.2	66.2
3	10.00AM	64.7	74.5	72.9
4	11.00AM	67.2	72.1	78.1
5	12.00AM	72.5	68.3	82.8
6	1.00PM	67.9	65.7	78.4
7	2.00PM	63.1	60.8	65.2
8	3.00PM	57.4	54.7	60.5
Max.		**72.5**	**74.5**	**82.8**
Min.		**56.2**	**54.7**	**60.5**
Avg.		**63.68**	**65.21**	**70.98**
Prescribed OSHA Norm for Work Zone Area(8hrly)		**90 dB(A)**		

** All Values in dB (A)*

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Report No.: CEMC/PIL/240626/FE **Date: 24.06.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd
- Type of Sample : Fugitive Emission

FE1 – Near Screening Plant
FE2 – Near Crushing Plant
FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code	Date of Monitoring	Souce of Distance	Results
				PM (µg/m³)
1	FE1	16.06.2026	25 m	349
2	FE2	17.06.2026	25 m	383
3	FE3	18.06.2026	25 m	331
CPCB Standards(8hrly)				1200 µg/m³
Testing Method				Gravimetric Method

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Report No.: CEMC/PIL/200626/WZNL **Date: 20.06.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant
WZNL2 – Near Crushing Plant
WZNL3 – Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

Sl. no.	Time (Hrs)	Results in dB(A)		
		WZNL1	WZNL2	WZNL3
		Source of distance 25 m	Source of distance 25 m	Source of distance 25 m
		16.06.2026	17.06.2026	18.06.2026
1	8.00AM	52.6	49.8	51.3
2	9.00AM	57.3	55.3	53.8
3	10.00AM	50.1	59.3	61.8
4	11.00AM	68.3	72.8	65.3
5	12.00AM	75.7	70.3	71.1
6	1.00PM	66.5	69.9	66.5
7	2.00PM	61.9	61.3	62.3
8	3.00PM	59.1	54.5	54.4
Max.		**72.5**	**75.7**	**72.8**
Min.		**56.2**	**50.1**	**49.8**
Avg.		**63.68**	**61.43**	**61.65**
Prescribed OSHA Norm for Work Zone Area(8hrly)		**90 dB(A)**		

** All Values in dB (A)*

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Report No.: CEMC/PIL/150726/FE **Date: 15.07.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Fugitive Emission

FE1 – Near Screening Plant
FE2 – Near Crushing Plant
FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code	Date of Monitoring	Souce of Distance	Results
				PM ($\mu g/m^3$)
1	FE1	08.07.2026	25 m	165
2	FE2	09.07.2026	25 m	171
3	FE3	10.07.2026	25 m	182
CPCB Standards(8hrly)				1200 $\mu g/m^3$
Testing Method				Gravimetric Method

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Report No.: CEMC/PIL/130726/WZNL **Date: 13.07.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant
WZNL2 – Near Crushing Plant
WZNL3 – Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

Sl. no.	Time (Hrs)	Results in dB(A)		
		WZNL1	WZNL2	WZNL3
		Source of distance 25 m	Source of distance 25 m	Source of distance 25 m
		08.07.2026	09.07.2026	10.07.2026
1	8.00AM	47.1	48.8	49.3
2	9.00AM	51.5	50.7	53.9
3	10.00AM	51.9	57.3	56.1
4	11.00AM	56.7	60.1	61.5
5	12.00AM	71.3	64.9	67.8
6	1.00PM	69.9	68.1	73.9
7	2.00PM	64.1	58.3	67.5
8	3.00PM	54.8	51.2	57.1
Max.		**71.3**	**68.1**	**73.9**
Min.		**47.1**	**48.5**	**49.3**
Avg.		**58.41**	**57.36**	**60.88**
Prescribed OSHA Norm for Work Zone Area(8hrly)		**90 dB(A)**		

** All Values in dB (A)*

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Report No.: CEMC/PIL/260826/FE **Date: 26.08.2026**

- Name of the Industries : M/s Prakash Industries ltd
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : Aug 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Fugitive Emission

FE1 – Near Screening Plant
FE2 – Near Crushing Plant
FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code	Date of Monitoring	Souce of Distance	Results
				PM (µg/m³)
1	FE1	20.08.2026	25 m	158
2	FE2	21.08.2026	25 m	175
3	FE3	22.08.2026	25 m	183
CPCB Standards(8hrly)				1200 µg/m³
Testing Method				Gravimetric Method

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Report No.: CEMC/PIL/250826/WZNL **Date: 25.08.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : Aug 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd
- Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant
WZNL2 – Near Crushing Plant
WZNL3 – Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

Sl. no.	Time (Hrs)	Results in dB(A)		
		WZNL1	WZNL2	WZNL3
		Source of distance 25 m	Source of distance 25 m	Source of distance 25 m
		20.08.2026	21.08.2026	22.08.2026
1	8.00AM	46.3	44.1	42.3
2	9.00AM	49.9	51.5	46.8
3	10.00AM	53.1	59.7	53.5
4	11.00AM	59.5	64.3	59.7
5	12.00AM	68.7	71.1	62.1
6	1.00PM	71.5	75.4	66.3
7	2.00PM	62.9	69.3	69.5
8	3.00PM	56.1	54.8	52.1
Max.		**71.5**	**75.4**	**69.5**
Min.		**46.3**	**44.1**	**42.3**
Avg.		**58.5**	**61.27**	**56.53**
Prescribed OSHA Norm for Work Zone Area(8hrly)		**90 dB(A)**		

** All Values in dB (A)*

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Report No.: CEMC/PII/190926/FE **Date: 19.09.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Fugitive Emission

FE1 – Near Screening Plant
FE2 – Near Crushing Plant
FE3 – Near Quarry

ANALYSIS RESULTS OF FUGITIVE EMISSIONS

Sl. no.	Station Code	Date of Monitoring	Source of Distance	Results
				PM (µg/m³)
1	FE1	14.09.2026	25 m	291
2	FE2	15.09.2026	25 m	325
3	FE3	16.09.2026	25 m	247
CPCB Standards(8hrly)				1200 µg/m³
Testing Method				ISO 5182(Part-4)RA2019

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Report No.: CEMC/PIL/190926/WZNL **Date: 19.09.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Work Zone Noise Level

WZNL1 – Near Screening Plant
WZNL2 – Near Crushing Plant
WZNL3 – Near Quarry

ANALYSIS RESULTS OF WORK ZONE NOISE LEVEL

Sl. no.	Time (Hrs.)	Results in dB(A)		
		WZNL1	WZNL2	WZNL3
		Source of distance 25 m	Source of distance 25 m	Source of distance 25 m
		14.09.2026	15.09.2026	16.09.2026
1	8.00 AM	44.9	47.1	44.5
2	9.00 AM	48.3	51.8	49.3
3	10.00 AM	53.1	54.3	52.7
4	11.00 AM	58.9	59.7	65.5
5	12.00 AM	63.3	65.1	69.1
6	1.00 PM	68.5	71.8	69.8
7	2.00 PM	62.1	65.3	61.5
8	3.00 PM	56.3	58.1	54.3
Max.		**68.5**	**71.8**	**69.8**
Min.		**44.9**	**47.1**	**44.5**
Avg.		**56.92**	**59.15**	**58.33**
Prescribed OSHA Norm for Work Zone Area(8hrly)		**90 dB(A)**		

** All Values in dB (A)*

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Annexure - V

Photographs of covered truck with tarpaulin

For PRAKASH INDUSTRIES LTD.

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Annexure - VI

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

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Report No.: CEMC/PIL/230426/SW **Date: 23.04.2026**

- Name of the Industries : M/s Prakash Industries Ltd.
- Name of the Mine : Sukaguda Iron and Manganese Ore Mine
- Period of Monitoring : April 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Surface Water (SW1 – New Sukaguda, SW2 – Kajorhanala)
- Date of Sampling : 16.04.2026
- Date of analysis : 17.04.2026 - 22.04.2026

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	----	pH Meter APHA24th Ed 4500-H+ B 2023	7.32	7.37
2.	Temperature	oC	By Thermometer APHA24th Ed 2550 B 2023	17	19
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D 2023	20	25
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed 2130B 2023	2	5
5.	Total Dissolved Solids	mg/l	Gravimetric Method APHA24th Ed 2540 C 2023	170	162
6.	Electrical Conductivity (EC)	µmhos/cm	Conductivity Meter APHA24th Ed 2510B 2023	254	240
7.	Alkalinity (as $CaCO_3$)	mg/l	Titration Method APHA24th Ed 2320B 2023	62	48
8.	Total Hardness (as $CaCO_3$)	mg/l	EDTA Titrametric Method APHA24th Ed 2340C 2023	54	46
9.	Calcium (as Ca)	mg/l	EDTA Titrametric Method APHA24th Ed 3500-Ca B 2023	10.4	14.6
10.	Chloride (as Cl)	mg/l	Argentometric Method APHA24th Ed 4500-ClB 2023	11.6	13.8
11.	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D 2023	0.07	0.12
12.	Sulfate (as SO_4)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO42-E 2023	3.8	4.4
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg B 2023	5.8	6.6
14.	Nitrate (as NO_3)	mg/l	By UV - Screen Method APHA24th Ed 4500-NO3-B 2023	4.2	4.8
15.	Phosphate	mg/l	Stannous Chloride Method APHA24th Ed 4500 P D 2023	0.10	0.14
16.	Dissolved Oxygen as O_2	mg/l	Modified Winkler Method APHA24th Ed 4500-OC 2023	5.3	5.6
17.	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	Oxygen Depletion Method IS 3025(P-44) 1993	5.1	5.5
19.	COD	mg/l	Open Reflux Method APHA24th Ed 5220 B 2023	11.3	11.8
20.	Copper (as Cu)	mg/l	By ICP Method APHA24th Ed 3120B 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed 3120B 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed 3120B 2023	0.030	0.034
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed 3120B 2023	<0.005	<0.005
24.	Chromium (VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed 3500-CrB 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed 3120B 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	By ICP Method APHA24th Ed 3120B 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	By ICP Method APHA24th Ed 3120B 2023	<0.005	<0.005
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B 2023	0.26	0.30

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Report No.: CEMC/PIL/180526/SW **Date: 18.05.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Surface Water (SW1 – New Sirkaguttu, SW2 – Kaipothanala)
- Date of Sampling : 12.05.2026
- Date of analysis : 13.05.2026 - 18.05.2026

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	—	pH Meter APHA24th Ed 4500-H+B: 2023	7.46	7.34
2.	Temperature	oC	By Thermometer APHA24th Ed 2550 B: 2023	14	18
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	22	27
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed. 2130B: 2023	4.4	4.6
5.	Total Dissolved Solids	mg/l	Gravimetric Method APHA24th Ed. 2540 C: 2023	165	157
6.	Electrical Conductivity(EC)	µmhos/cm	Conductivity Meter APHA24th Ed. 2510B: 2023	234	248
7.	Alkalinity (as $CaCO_3$)	mg/l	Titration Method APHA24th Ed. 2320B: 2023	59.6	46.8
8.	Total Hardness (as $CaCO_3$)	mg/l	EDTA Titrimetric Method APHA24th Ed. 2340C: 2023	58.2	49.5
9.	Calcium (as Ca)	mg/l	EDTA Titrimetric Method APHA24th Ed 3500-Ca-B: 2023	10.9	13.1
10.	Chloride (as Cl)	mg/l	Argentometric Method APHA24th Ed 4500-Cl B: 2023	11.4	12.2
11.	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D: 2023	0.12	0.15
12.	Sulfate (as SO_4)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO42-E: 2023	3.5	4.2
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg B 2023	6.2	6.4
14.	Nitrate (as NO_3)	mg/l	By UV Screen Method APHA24th Ed 4500-NO3-B: 2023	3.8	3.4
15.	Phosphate	mg/l	Stannous Chloride Method APHA24th Ed. 4500 P.D: 2023	0.13	0.15
16.	Dissolved Oxygen as O_2	mg/l	Modified Winkler Method APHA24th Ed 4500-OC 2023	5.8	5.5
17.	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F: 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	**Oxygen Depletion Method** IS 3025(P-44): 1993	4.8	4.3
19.	COD	mg/l	**Open Reflux Method** APHA24th Ed 5220 B: 2023	10.6	10.9
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	0.028	0.030
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed. 3500-CrB: 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	**By ICP Method** APHA24th Ed. 3120B: 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	**By ICP Method** APHA24th Ed. 3120B: 2023	<0.005	<0.005
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B: 2023	0.22	0.26

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Report No.: CEMC/PIL/250626/SW **Date: 25.06.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Surface Water (SW1 – New Sirkaguttu, SW2 – Kanjorhamala)
- Date of Sampling : 18.06.2026
- Date of analysis : 19.06.2026 - 24.06.2026

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	----	pH Meter APHA24th Ed 4500-H+B: 2023	7.35	7.31
2.	Temperature	oC	By Thermometer APHA24th Ed 2550 B: 2023	18	18
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	32.6	35.1
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed, 2130B: 2023	4.6	4.9
5.	Total Dissolved Solids	mg/l	Gravimetric Method APHA24th Ed, 2540 C: 2023	221	243
6.	Electrical Conductivity(EC)	µmhos/cm	Conductivity Meter APHA24th Ed, 2510B: 2023	335	369
7.	Alkalinity (as $CaCO_3$)	mg/l	Titration Method APHA24th Ed, 2320B: 2023	79.1	83.1
8.	Total Hardness (as $CaCO_3$)	mg/l	EDTA Titrimetric Method APHA24th Ed, 2340C: 2023	61.8	72.3
9.	Calcium (as Ca)	mg/l	EDTA Titrimetric Method APHA24th Ed 3500-Ca-D: 2023	15.3	19.1
10.	Chloride (as Cl)	mg/l	Argentometric Method APHA24th Ed 4500-ClB: 2023	11.8	15.3
11.	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F D: 2023	0.12	0.165
12.	Sulfate (as SO_4)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO42-E: 2023	4.4	4.9
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg: B 2023	7.8	8.3
14.	Nitrate (as NO_3)	mg/l	By UV-Screen Method APHA24th Ed 4500-NO3-B: 2023	4.1	4.4
15.	Phosphate	mg/l	Stannous Chloride Method APHA24th Ed, 4500 P D: 2023	0.12	0.16
16.	Dissolved Oxygen as O_2	mg/l	Modified Winkler Method APHA24th Ed 4500-OC: 2023	4.4	4.9
17.	Sulfide (as S)	mg/l	By Todometric Method APHA24th Ed 4500-S2-F: 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	**Oxygen Depletion Method** IS 3025(P-44): 1993	5.5	5.8
19.	COD	mg/l	**Open Reflux Method** APHA24th Ed 5220 B: 2023	11.1	11.7
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed, 3120B: 2023	0.040	0.038
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed, 3500-CrB: 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed, 3120B: 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	**By ICP Method** APHA24th Ed, 3120B: 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	**By ICP Method** APHA24th Ed, 3120B: 2023	<0.005	<0.005
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B: 2023	0.24	0.26

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Report No.: CEMC/PIL/250626/GW **Date: 25.06.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Date of Sampling : 18.06.2026
- Period of Analysis : 19.06.2026 – 25.06.2026
- Type of Sample : Ground Water

  GW1 – Malangtoli
  GW2 – Kadakala
  GW3 – Sirkaguttu
  GW4 – Kaijorha

ANALYSIS RESULTS OF GROUND WATER

Ground Water Quality- Organoleptic and Physical Parameters.

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Color, *max*	Hazen	5	15	<5	<5	<5	<5
2.	Taste		Agreeable	Agreeable	Agr.	Agr.	Agr.	Agr.
3.	pH value	--	6.5-8.5	No relaxation	6.98	6.92	7.06	7.10
4.	Conductivity	µmhos/cm	--	--	316	294	310	296
5.	Turbidity, *max*	NTU	1	5	<1	<1	<1	<1
6.	Total Dissolved Solids,	mg/l	500	2000	228	206	230	218

Ground Water Quality- General Parameters Concerning Substances Undesirable in Excessive Amounts.

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Total Alkalinity, *max*	mg/l	200	600	103	106	96	98
2.	Total Hardness, *max*	mg/l	200	600	108	116	104	112
3.	Calcium, *max*	mg/l	75	200	25.6	32.2	22.2	34.4
4.	Chloride, *max*	mg/l	250	1000	12.4	16.2	14.8	20.2
5.	Fluoride, *max*	mg/l	1.0	1.5	0.14	0.18	0.12	0.16
6.	Sulphate, *max*	mg/l	200	400	10.6	14.2	18.4	20.2
7.	Iron, *max*	mg/l	1.0	No	0.24	0.28	0.22	0.18
8.	Zinc, *max*	mg/l	5	15	0.20	0.22	0.18	0.16
9.	Nitrate, *max*	mg/l	45	No	0.40	0.54	0.74	0.62
10.	Free Residual Chlorine,	mg/l	0.2	1.0	ND	ND	ND	ND
11.	Phenolic Compound, *max*	mg/l	0.001	0.002	<0.01	<0.01	<0.01	<0.01
12.	Manganese, *max*	mg/l	0.1	0.3	0.012	0.014	0.010	0.011
13.	Copper, *max*	mg/l	0.05	1.5	<0.005	<0.005	<0.005	<0.005
14.	Boron, *max*	mg/l	0.5	1.0	<0.02	<0.02	<0.02	<0.02

Ground Water Quality - Parameters Concerning Toxic Substances

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Nickel, *max*	mg/l	0.02	No relaxation	<0.005	<0.005	<0.005	<0.005
2.	Cadmium, *max*	mg/l	0.003	No relaxation	<0.005	<0.005	<0.005	<0.005
3.	Cyanide, *max*	mg/l	0.05	No relaxation	ND	ND	ND	ND
4.	Total Chromium, *max*	mg/l	0.05	No relaxation	<0.005	<0.005	<0.005	<0.005
5.	Hexavalent Chromuim	mg/l	$	$	<0.05	<0.05	<0.05	<0.05
6.	Lead, *max*	mg/l	0.01	No relaxation	<0.005	<0.005	<0.005	<0.005

Ground Water Quality- Bacteriological Quality of Drinking Water

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Coliform Organism (E. Coli)	MPN/100	--	--	Nil	Nil	Nil	Nil
2.	Fecal Coliform	MPN/100	--	--	Nil	Nil	Nil	Nil
3.	Total Coliform	MPN/100	--	--	Nil	Nil	Nil	Nil

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Seal of Laboratory

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E-mail- cemcbbsr01@gmail.com, Mobile: 8763213647, 9090434693
Laboratory At: Plot No: 600/1274, Johar, Pahal, Bhubaneswar-752101

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Report No.: CEMC/PIL/150726/SW **Date: 15.07.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2026
- Sample Collected by : M/s Centre for Envotech and Muragement Consultancy Pvt Ltd.
- Type of Sample : Surface Water (SW1 – New Sirkaguttu, SW2 – Kaijorhanala)
- Date of Sampling : 08.07.2026
- Date of analysis : 09.07.2026 - 14.07.2026

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	----	pH Meter APHA24th Ed 4500-H+B: 2023	7.49	7.35
2.	Temperature	oC	By Thermometer APHA24th Ed 2550 B: 2023	16	18
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	37.3	39.5
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed. 2130B: 2023	4.9	4.8
5.	Total Dissolved Solids	mg/l	Gravimetric Method APHA24th Ed. 2540 C: 2023	265	281
6.	Electrical Conductivity(EC)	µmhos/cm	Conductivity Meter APHA24th Ed. 2510B: 2023	405	432
7.	Alkalinity (as $CaCO_3$)	mg/l	Titration Method APHA24th Ed. 2320B: 2023	83.5	89.7
8.	Total Hardness (as $CaCO_3$)	mg/l	EDTA Titrimetric Method APHA24th Ed. 2340C: 2023	68.2	83.4
9.	Calcium (as Ca)	mg/l	EDTA Titrimetric Method APHA24th Ed 3500-Ca B: 2023	17.1	23.5
10.	Chloride (as Cl)	mg/l	Argentometric Method APHA24th Ed 4500-ClB: 2023	12.3	15.9
11.	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D: 2023	0.13	0.17
12.	Sulfate (as SO_4)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO4 2- E: 2023	4.6	5.1
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg B-2023	8.5	9.1
14.	Nitrate (as NO_3)	mg/l	By UV -Screen Method APHA24th Ed 4500-NO3-B: 2023	3.9	4.4
15.	Phosphate	mg/l	Stannous Chloride Method APHA24th Ed. 4500 P D: 2023	0.14	0.16
16.	Dissolved Oxygen as O_2	mg/l	Modified Winkler Method APHA24th Ed 4500-OC 2023	5.5	4.3
17.	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	**Oxygen Depletion Method** IS 3025(Part-44) 1993	5.9	6.1
19.	COD	mg/l	**Open Reflux Method** APHA24th Ed 5220 D: 2023	13.4	14.2
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	0.041	0.035
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed. 3500-CrB: 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	**By ICP Method** APHA24th Ed. 3120B: 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	**By ICP Method** APHA24th Ed. 3120B: 2023	<0.005	<0.005
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B: 2023	0.21	0.23

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Report No.: CEMC/PIL/280826/SW **Date: 28.08.2026**

- Name of the Industries : M/s Prakash Industries ltd
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : Aug 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd
- Type of Sample : Surface Water (SW1 – New Sirkaguttu, SW2 – Kanjorhanala)
- Date of Sampling : 22.08.2026
- Date of analysis : 24.08.2026 - 28.08.2026

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	----	pH Meter APHA24th Ed 4500-H+B: 2023	7.21	7.16
2.	Temperature	ºC	By Thermometer APHA24th Ed 2550 B: 2023	16	16
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	41.4	43.8
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed 2130B: 2023	5.1	5.3
5.	Total Dissolved Solids	mg/l	Gravimetric Method APHA24th Ed. 2540 C: 2023	249	263
6.	Electrical Conductivity(EC)	µmhos/cm	Conductivity Meter APHA24th Ed. 2510B: 2023	377	398
7.	Alkalinity (as $CaCO_3$)	mg/l	Titration Method APHA24th Ed. 2320B: 2022	89.1	98.3
8.	Total Hardness (as $CaCO_3$)	mg/l	EDTA Titrimetric Method APHA24th Ed. 2340C: 2023	71.8	85.8
9.	Calcium (as Ca)	mg/l	EDTA Titrimetric Method APHA24th Ed 3500-Ca-B: 2023	19.5	25.1
10.	Chloride (as Cl)	mg/l	Argentometric Method APHA24th Ed 4500-ClB: 2023	10.2	9.8
11.	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D: 2023	0.15	0.21
12.	Sulfate (as SO_4)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO42-E: 2023	4.9	5.3
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg B: 2023	8.2	8.9
14.	Nitrate (as NO_3)	mg/l	By UV Screen Method APHA24th Ed 4500-NO3-B: 2023	4.1	4.8
15.	Phosphate	mg/l	Stannous Chloride Method APHA24th Ed. 4500 P.D: 2023	0.17	0.19
16.	Dissolved Oxygen as O_2	mg/l	Modified Winkler Method APHA24th Ed 4500-OC 2023	4.1	4.7
17.	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F : 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	**Oxygen Depletion Method** IS 3025(P-44): 1993	5.7	6.2
19.	COD	mg/l	**Open Reflux Method** APHA24th Ed 5220 B: 2023	14.9	16.1
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	0.019	0.021
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed. 3500-CrB: 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	**By ICP Method** APHA24th Ed. 3120B: 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	**By ICP Method** APHA24th Ed. 3120B: 2023	<0.005	<0.005
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B: 2023	0.23	0.29

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Report No.: CEMC/PIL/260926/SW **Date: 26.09.2026**

- Name of the Industries : M/s Prakash Industries Ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Surface Water (SW1 – New Sirkaguttu, SW2 – Kaijorhanala)
- Date of Sampling : 15.09.2026
- Date of analysis : 16.09.2026 - 24.09.2026

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	Testing Methods	SW1	SW2
1.	pH value	----	pH Meter APHA24th Ed 4500-H+B: 2023	7.09	7.13
2.	Temperature	°C	By Thermometer APHA24th Ed 2550 B: 2023	16	16
3.	Suspended Solids	mg/l	Gravimetric Method APHA24th Ed 2540 D: 2023	37.3	40.1
4.	Turbidity	NTU	Nephelometric Method APHA24th Ed. 2130B: 2023	4.7	4.9
5.	Total Dissolved Solids	mg/l	Gravimetric Method APHA24th Ed. 2540C: 2023	218	235
6.	Electrical Conductivity (EC)	µmhos/cm	Conductivity Meter APHA24th Ed. 2510B: 2023	335	361
7.	Alkalinity (as $CaCO_3$)	mg/l	Titration Method APHA24th Ed. 2320B: 2023	85.3	96.1
8.	Total Hardness (as $CaCO_3$)	mg/l	EDTA Titrimetric Method APHA24th Ed. 2340C: 2023	69.7	77.3
9.	Calcium (as Ca)	mg/l	EDTA Titrimetric Method APHA24th Ed 3500-Ca-B: 2023	17.3	21.5
10.	Chloride (as Cl)	mg/l	Argentometric Method APHA24th Ed 4500-ClB: 2023	09.5	9.1
11.	Fluoride (as F)	mg/l	Distillation followed by Spectrophotometric Method APHA24th Ed 4500-F-D: 2023	0.23	0.27
12.	Sulfate (as SO_4)	mg/l	Turbidimetric Method APHA24th Ed 4500-SO42-E: 2023	4.1	4.7
13.	Magnesium (as Mg)	mg/l	Calculation Method APHA24th Ed 3500Mg-B: 2023	8.8	8.3
14.	Nitrate (as NO_3)	mg/l	By UV - Screen Method APHA24th Ed 4500-NO3-B: 2023	3.6	4.1
15.	Phosphate	mg/l	Stannous Chloride Method APHA24th Ed. 4500 P-D: 2023	0.15	0.16
16.	Dissolved Oxygen as O_2	mg/l	Modified Winkler Method APHA24th Ed 4500-OC 2023	4.8	4.4
17.	Sulfide (as S)	mg/l	By Iodometric Method APHA24th Ed 4500-S2-F: 2023	<0.4	<0.4
18.	BOD, 3 days at 27°C	mg/l	Oxygen Depletion Method IS 3025(P-44):1993	5.5	5.9
19.	COD	mg/l	Open Reflux Method APHA24th Ed 5220 B: 2023	15.1	17.8
20.	Copper(as Cu)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
21.	Nickel (as Ni)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
22.	Manganese (as Mn)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	0.012	0.015
23.	Cadmium (as Cd)	mg/l	ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
24.	Chromium(VI)	mg/l	By Diphenyl Carbazide Method APHA24th Ed. 3500-CrB: 2023	<0.05	<0.05
25.	Total Chromium	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
26.	Lead (as Pb)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
27.	Zinc (as Zn)	mg/l	By ICP Method APHA24th Ed. 3120B: 2023	<0.005	<0.005
28.	Iron (as Fe)	mg/l	By ICP Method APHA24th Ed 3120B: 2023	0.231	0.298

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Head of Laboratory

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Report No.: CEMC/PIL/270926/GW **Date: 27.09.2026**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2026
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Date of Sampling : 16.09.2026
- Period of Analysis : 17.09.2026 – 26.09.2026
- Type of Sample : Ground Water
  GW1 – Malangtoli
  GW2 – Kadakala
  GW3 – Sirkaguttu
  GW4 – Kaijorha

ANALYSIS RESULTS OF GROUND WATER

Ground Water Quality- Organoleptic and Physical Parameters.

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Color, max	Hazen	5	15	<5	<5	<5	<5
2.	Taste		Agreeable	Agreeable	Agr.	Agr.	Agr.	Agr.
3.	pH value	--	6.5-8.5	No relaxation	6.87	6.98	7.03	6.95
4.	Conductivity	µmhos/cm	--	--	325	322	319	343
5.	Turbidity, max	NTU	1	5	<1	<1	<1	<1
6.	Total Dissolved Solids,	mg/l	500	2000	211	209	215	223

Ground Water Quality- General Parameters Concerning Substances Undesirable in Excessive Amounts.

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Total Alkalinity, max	mg/l	200	600	95.3	101.5	99.5	98.3
2.	Total Hardness, max	mg/l	200	600	108	116	104	112
3.	Calcium, max	mg/l	75	200	20.7	21.3	22.9	25.2
4.	Chloride, max	mg/l	250	1000	10.5	10.9	11.3	11.1
5.	Fluoride, max	mg/l	1.0	1.5	0.19	0.17	0.16	0.23
6.	Sulphate, max	mg/l	200	400	06.8	09.9	13.5	09.1
7.	Iron, max	mg/l	1.0	No	0.21	0.21	0.21	0.23
8.	Zinc, max	mg/l	5	15	0.14	0.09	0.13	0.14
9.	Nitrate, max	mg/l	45	No	1.95	2.30	2.95	2.64
10.	Free Residual Chlorine,	mg/l	0.2	1.0	ND	ND	ND	ND
11.	Phenolic Compound, max	mg/l	0.001	0.002	<0.01	<0.01	<0.01	<0.01
12.	Manganese, max	mg/l	0.1	0.3	0.012	0.014	0.010	0.011
13.	Copper, max	mg/l	0.05	1.5	<0.005	<0.005	<0.005	<0.005
14.	Boron, max	mg/l	0.5	1.0	<0.02	<0.02	<0.02	<0.02

Ground Water Quality - Parameters Concerning Toxic Substances

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1	Nickel, max	mg/l	0.02	No relaxation	<0.005	<0.005	<0.005	<0.005
2.	Cadmium, max	mg/l	0.003	No relaxation	<0.005	<0.005	<0.005	<0.005
3.	Cyanide, max	mg/l	0.05	No relaxation	ND	ND	ND	ND
4.	Total Chromium, max	mg/l	0.05	No relaxation	<0.005	<0.005	<0.005	<0.005
5.	Hexavalent Chromium	mg/l	$	$	<0.05	<0.05	<0.05	<0.05
6.	Lead, max	mg/l	0.01	No relaxation	<0.005	<0.005	<0.005	<0.005

Ground Water Quality- Bacteriological Quality of Drinking Water

Sl. no.	Parameters	Unit	Norms		GW1	GW2	GW3	GW4
			Acceptable Limit	Permissible Limit				
1.	Coliform Organism (E. Coli)	MPN/100	--	--	Nil	Nil	Nil	Nil
2.	Fecal Coliform	MPN/100	--	--	Nil	Nil	Nil	Nil
3.	Total Coliform	MPN/100	--	--	Nil	Nil	Nil	Nil

B.P.Das
Authorized Signatory

Environmental Laboratory
Seal of Laboratory

Head Office: Plot No-1666, Near Nilakantheswar Marg, Vibaba Estate Lane, Baramunda, Bhubaneswar-751003, Khurda, Odisha.
E-mail- cemcbbsr01@gmail.com, Mobile: 8763213647, 9090434693
Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101

Annexure - VII

EXPENSES INCURRED FOR ENVIRONMENTAL MANAGEMENT
(For the Period of April 2026 to September 2026)

Sl. No.	Details of Measures Taken	Allocated Budget (In Rs.)	Expenses (In Rs.)
A.	**Water Pollution Control/Water Management**		
	Construction of retaining wall, Garland drain, Settling pond around the dump & stock yard. (Maintenance Expenses)	Rs. 1,21,352/-	Rs. 1,21,352/-
	(A) Sub Total Rs.	**Rs.1,21,352/-**	**Rs. 1,21,352/-**
B.	**Air Pollution Control/Air Management**		
1.	Water sprinkling on haul road and our working plants by movable water tanker, dry fog system in screen plant & crusher plant.	Rs.8,58,000/-	Rs.8,58,000/-
2.	Wheel washer already constructed (Maintenance Cost)	Rs. 62,000/-	Rs.62,000/-
	(B) Sub Total Rs.	**Rs. 62,000/-**	**Rs. 62,000/-**
C.	**Solid/Hazardous Waste Management**		
1	Disposal of Solid Waste	Rs.1,09,61,000/-	Rs.1,09,61,000/-
	(C) Sub Total Rs.	**Rs.1,09,61,000/-**	**Rs.1,09,61,000/-**
D.	**Other Areas**		
1	Environmental consultant for Environmental monitoring	Rs. 1,41,600/-	Rs. 1,41,600/-
2	Maintenance of Plants	Rs. 1,73,472/-	Rs.1,73,472/-
3	House-keeping work.	Rs. 3,46,944/-	Rs. 3,46,944/-
	(D) Sub Total Rs.	**Rs. 6,62,916/-**	**Rs. 6,62,916/-**
	GRAND TOTAL (A+B+C+D) Rs.	**Rs.1,18,07,268/-**	**Rs.1,18,07,268/-**

For PRAKASH INDUSTRIES LTD.

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