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/2022-23/384

Date : 18.11.2023

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 2023 to September 2023 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 2023 to September 2023 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,**

Received
23/11/23

RECEIVED
23 NOV 2023
S.P.C. BOARD
BHUBANESWAR-12

GOVT. OF INDIA
MoEF & CC Integrated R.O.
Bhubaneswar-751023
23 NOV 2023
RECEIVED

Deepak Dash
Sr. Vice President

Encl.: As above.

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 – III, 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 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 & through pipe lines. (3) More than 110 people have been engaged in the mine for the Mining Operations. (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 163 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 consented to the conditions.
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 of October 2022 to March 2023 has been submitted to the SEIAA, SPCB & RO, MoEF&CC vide letter no. PIL/SIOM/KJR/ 2023-24/119 date 29.05.2023. Presently we are submitting the compliance report from April – 2023 to Sept – 2023.
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 datas 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 list of CSR activities under taken 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 rain water 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 carried out by the project proponent regularly at its own cost.	Project proponent has consented to the conditions. 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 zone of the mine. Monitoring of dust emission is being carried out regularly and datas 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. There is no any material handling points inside the mine. However, water tankers fitted with sprinklers have been engaged for control of dust at loading and unloading 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 accreditated laboratory "Centre for Envotech & Management Consultancy Pvt. Ltd., Bhubaneswar". Parameters 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 carried out with geo textile matting or other suitable material, and thick plantations of native	Project proponent has consented to the condition and shall be complied. 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 plantation of native trees and shrubs will be developed at the dump slopes during

	trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	rainy season.
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 labourers are from the nearby villages, there is no need to provide infrastructural facilities within the ML area for housing of the labourers. However, facilities under Mines act has been provided like drinking water facility, health care facilities etc.
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 done 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. PP always prefers local species for green belt development. We have purchased 3605 nos. of seedlings from Forest department and these plants have been planted at mines and nearby areas till the month of Mar-2023. This year another 750 plants purchased & planted at mines.
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 development of plantation purpose along the safety zone.
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 operations of the mine started from November 2019. OB recovered till September 2023 is being dumped at the earmarked area. It will be used for back filling in proper manner after complete extraction of the mineral from the quarry area.

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". Parameters 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. Since no ground water was used, we have not obtained any permission for drawl of ground water. However, application has been submitted to the Water Resource Department, Bhubaneswar for getting permission for drawl of 25 KLD surface water per day. It is expected to be obtained very shortly.
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	Complied. Project proponent has published it on 14.01.2017.

	SEIAA, Odisha and the Odisha State Pollution Control Board (OSPCB) and may also be seen on the website of the Board. The advertisement 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 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 2022 to March 2023 has been submitted to MoEF & CC, SEIAA & SPCB vide PIL/SIOM/ENV-STATEMENT/2023-24/120 dated 29.05.2023.
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	Project proponent has consented to the conditions.

	safeguard measures or stipulate any further condition subsequently, if found necessary, and to take action including revoking of the 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.	47,93,376/-
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.	50,230/-
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.	5,68,928/-
4	Supply of drinking water	Two water tankers has 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.	5,76,000/-
5	Vocational education	For the promotion of education, the company has appointed four teachers in the local schools.	3,59,755/-
6	Employment	We have appointed 110 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 (163 Nos.) of Sirkaguttu Village @ Rs 3000/- per family for the betterment of their livelihood.	1,77,45,068/-

For, Prakash Industries Ltd.

Authorised Signatory

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

Report No.: PIL/CEMC/010523/AAQ

Date: 01.05.2023

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2023
- 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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	CO (mg/m^3)
1	A1	03.04.2023	51	30	8.1	13.8	BDL
2	A2	03.04.2023	44	20	7.2	12.1	BDL
3	A3	03.04.2023	56	32	8.5	14.6	BDL
CPCB Standards(24 hrly)			100	60	80	80	4

Note. BDL value for CO-<0.11 mg/m³

BPDal
Authorized Signatory

Envotech & Management Consultancy Pvt. Ltd. Environmental Laboratory Seal

Notes:

- The results relate only to the sample tested.
- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
- The samples received shall be destroyed after two weeks from the date of issue of the Test Report unless specified otherwise.
- This Test Report shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory.

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & BSOHSAS 45001:2018Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha
ccredited 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, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Report No.: PIL/CEMC/010623/AAQ **Date: 01.06.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2023
- 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} ($\mu g/m^3$)	$PM_{2.5}$($\mu g/m^3$)	SO_2($\mu g/m^3$)	NO_x($\mu g/m^3$)	CO(mg/m^3)
1	A1	02.05.2023	48	26	7.6	14.1	BDL
2	A2	02.05.2023	53	33	8.2	14.6	BDL
3	A3	02.05.2023	60	36	8.8	15.2	BDL
CPCB Standards(24 hrly)			**100**	**60**	**80**	**80**	**4**

Note: BDL value for CO-<0.11 mg/m³

Authorized Signatory

Seal of Laboratory

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Enlisted in Construction Industry Development Council (CIDC), established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Report No.: PIL/CEMC/010723/AAQ **Date: 01.07.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2023
- 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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	CO (mg/m^3)
1	A1	01.06.2023	44	23	7.2	13.4	BDL
2	A2	01.06.2023	50	31	7.6	14.2	BDL
3	A3	01.06.2023	56	34	8.4	14.8	BDL
CPCB Standards(24 hrly)			100	60	80	80	4

Note: BDL value for CO-<0.11 mg/m³

Authorized Signatory

Seal of Laboratory

Notes:

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Enlisted in Construction Industry Development Council (CIDC), established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognized Environment Laboratory under Environment (Protection) Act, 1986.

Report No.: PIL/CEMC/010823/AAQ **Date: 01.08.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2023
- 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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	CO (mg/m^3)
1	A1	01.07.2023	42	18	6.6	12.6	BDL
2	A2	01.07.2023	46	26	7.1	13.8	BDL
3	A3	01.07.2023	52	30	7.9	14.4	BDL
CPCB Standards(24 hrly)			**100**	**60**	**80**	**80**	**4**

Note: BDL value for CO-<0.11 mg/m³

Authorized Signatory

Seal of Laboratory

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Report No.: PIL/CEMC/010923/AAQ **Date: 01.09.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : August 2023
- 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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	CO (mg/m^3)
1	A1	01.08.2023	45	24	7.4	12.9	BDL
2	A2	01.08.2023	48	30	7.8	14.2	BDL
3	A3	01.08.2023	56	34	8.4	16.8	BDL
CPCB Standards(24 hrly)			100	60	80	80	4

Note: BDL value for CO-<0.11 mg/m³

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Seal of Laboratory

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Report No.: PIL/CEMC/031023/AAQ **Date: 03.10.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2023
- 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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	CO (mg/m^3)
1	A1	01.09.2023	50	28	7.6	13.4	BDL
2	A2	01.09.2023	54	33	8.1	14.6	BDL
3	A3	01.09.2023	60	38	8.8	17.2	BDL
CPCB Standards(24 hrly)			**100**	**60**	**80**	**80**	**4**

Note: BDL value for CO-<0.11 mg/m³

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Environmental Laboratory

Seal of Laboratory

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Report No.: PIL/CEMC/010523/NL **Date: 01.05.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2023
- 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 (0600-2200hr)			Night (2200-0600hr)		
			Max.	Min.	Avg*	Max.	Min.	Avg*
1	NL1	05.04.2023	56.6	30.8	47.9	32.3	BDL	30.4
2	NL2	06.04.2023	58.9	31.2	50.4	33.1	BDL	30.9
3	NL3	07.04.2023	57.6	30.1	48.3	32.6	BDL	30.5

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

B P Das
Authorized Signatory

Centre for Envotech & Management Consultancy Pvt. Ltd. ★ Environmental Laboratory
Seal of Laboratory

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Report No.: PIL/CEMC/010623/NL **Date: 01.06.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2023
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ambient Noise Level

NL2 – Near Office

NL1 – Near Guest house

NL3 – Near weigh Bridge

ANALYSIS RESULTS OF AMBIENT NOISE LEVEL

Sl. no.	Station code	Date of Monitoring	Results { dB(A)}					
			Day (0600-2200hr)			Night (2200-0600hr)		
			Max.	Min.	Avg*	Max.	Min.	Avg*
1	NL1	04.05.2023	50.1	32.4	44.4	37.9	BDL	32.7
2	NL2	05.05.2023	47.4	33.6	41.9	35.8	BDL	31.7
3	NL3	06.05.2023	45.6	31.2	40.1	39.4	BDL	33.6

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

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Seal of Laboratory: Centre for Envotech & Management Consultancy Pvt. Ltd. Environmental Laboratory

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Report No.: PIL/CEMC/010723/NL **Date: 01.07.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2023
- 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 (0600-2200hr)			Night (2200-0600hr)		
			Max.	Min.	Avg*	Max.	Min.	Avg*
1	NL1	03.06.2023	48.2	30.9	42.2	34.9	BDL	31.3
2	NL2	05.06.2023	50.2	32.4	44.6	36.1	BDL	31.9
3	NL3	06.06.2023	46.4	30.4	40.4	33.9	BDL	30.9

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

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Report No.: PIL/CEMC/010823/NL **Date: 01.08.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2023
- 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 (0600-2200hr)			Night (2200-0600hr)		
			Max.	Min.	Avg*	Max.	Min.	Avg*
1	NL1	03.07.2023	47.3	31.3	40.2	32.3	BDL	30.4
2	NL2	04.07.2023	56.4	32.5	47.6	33.9	BDL	30.9
3	NL3	05.07.2023	58.8	32.1	49.8	33.5	BDL	30.8

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

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Report No.: PIL/CEMC/010923/NL **Date: 01.09.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : August 2023
- 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 (0600-2200hr)			Night (2200-0600hr)		
			Max.	Min.	Avg*	Max.	Min.	Avg*
1	NL1	03.08.2023	48.6	30.7	42.0	36.4	BDL	31.9
2	NL2	04.08.2023	52.2	33.4	45.8	34.1	BDL	31.3
3	NL3	05.08.2023	46.6	30.9	41.1	35.8	BDL	31.5

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

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Report No.: PIL/CEMC/031023/NL **Date: 03.10.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2023
- 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 (0600-2200hr)			Night (2200-0600hr)		
			Max.	Min.	Avg*	Max.	Min.	Avg*
1	NL1	04.09.2023	49.5	31.4	42.5	31.6	BDL	30.6
2	NL2	05.09.2023	45.3	32.0	38.9	31.8	BDL	30.4
3	NL3	06.09.2023	41.5	31.0	36.4	31.4	BDL	30.1

**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 – 2023 to September – 2023	
	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.)	5,76,000/-
2	**Promotion of Education** (Teacher's salary)	3,59,755/-
3	**Health care** (Supply of medicine, Salary paid to Pharmacist & other medical Staffs, Ambulance, etc.)	5,68,928/-
4	**Environmental awareness** (Plantation, solar connection and water sprinkling on transportation road for suppression of dust.)	17,34,000/-
5	Family Compensation paid to the Villagers	29,34,000/-
6	Development of Village Road	47,93,376/-
7	Financial assistance to the nearby villages for religious and cultural activities, sports competition etc.	13,20,000/-
8	Miscellaneous (Infrastructure development, expenses reference to social welfare activities etc.)	18,20,400/-
	Grand Total =	**1,41,06,459/-**

For, Prakash Industries Ltd.

Authorised Signator

CENTRE FOR ENVOTECH AND
MANAGEMENT CONSULTANCY PVT. LTD.

Report No.: PIL/CEMC/010523/FE **Date: 01.05.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2023
- 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	Results		
			RSPM ($\mu g/m^3$)	NRSPM($\mu g/m^3$)	TSPM ($\mu g/m^3$)
1	FE1	04.04.2023	86	196	282
2	FE2	04.04.2023	95	201	296
3	FE3	04.04.2023	88	185	273
CPCB Standards			1200		

B P Das
Authorized Signatory

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Report No.: PIL/CEMC/010623/FE **Date: 01.06.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2023
- 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	Results		
			RSPM ($\mu g/m^3$)	NRSPM($\mu g/m^3$)	TSPM ($\mu g/m^3$)
1	FE1	03.05.2023	92	206	298
2	FE2	03.05.2023	85	225	310
3	FE3	03.05.2023	84	218	302
CPCB Standards			**1200**		

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Report No.: PIL/CEMC/010723/FE **Date: 01.07.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2023
- 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	Results		
			RSPM ($\mu g/m^3$)	NRSPM($\mu g/m^3$)	TSPM ($\mu g/m^3$)
1	FE1	02.06.2023	86	204	290
2	FE2	02.06.2023	90	212	302
3	FE3	02.06.2023	80	208	288
CPCB Standards			1200		

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Report No.: PIL/CEMC/010823/FE **Date: 01.08.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2023
- 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	Results		
			RSPM ($\mu g/m^3$)	NRSPM($\mu g/m^3$)	TSPM ($\mu g/m^3$)
1	FE1	03.07.2023	102	184	286
2	FE2	03.07.2023	97	202	299
3	FE3	03.07.2023	84	196	280
CPCB Standards			**1200**		

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Report No.: PIL/CEMC/010923/FE **Date: 01.09.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : August 2023
- 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	Results		
			RSPM ($\mu g/m^3$)	NRSPM($\mu g/m^3$)	TSPM ($\mu g/m^3$)
1	FE1	02.08.2023	94	208	302
2	FE2	02.08.2023	96	218	314
3	FE3	02.08.2023	102	206	308
CPCB Standards			1200		

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Seal of Laboratory

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Report No.: PIL/CEMC/031023/FE **Date: 03.10.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2023
- 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	Results		
			RSPM ($\mu g/m^3$)	NRSPM($\mu g/m^3$)	TSPM ($\mu g/m^3$)
1	FE1	02.09.2023	93	232	325
2	FE2	02.09.2023	86	256	342
3	FE3	02.09.2023	96	270	366
CPCB Standards			1200		

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Report No.: PIL/CEMC/010523/WZNL **Date: 01.05.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2023
- 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) Leq.		
		WZNL1	WZNL2	WZNL3
		08.04.2023	10.04.2023	11.04.2023
1	8.00AM	59.4	51.3	57.3
2	9.00AM	62.8	60.8	60.4
3	10.00AM	70.6	65.4	65.8
4	11.00AM	74.2	70.3	69.2
5	12.00AN	70.6	71.8	73.1
6	1.00PM	63.3	68.3	66.4
7	2.00PM	54.2	62.4	62.7
8	3.00PM	60.1	59.1	59.7
Max.		74.2	71.8	73.1
Min.		54.2	51.3	57.3
Avg.		65.4	64.0	64.1
Prescribed OSHA Norm for Work Zone Area(08hrly)		90		

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Environmental Laboratory
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Report No.: PIL/CEMC/010623/WZNL **Date: 01.06.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2023
- 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) Leq.		
		WZNL1	WZNL2	WZNL3
		08.05.2023	09.05.2023	10.05.2023
1	8.00AM	61.6	59.6	62.9
2	9.00AM	63.1	64.7	65.3
3	10.00AM	64.9	68.9	68.4
4	11.00AM	68.9	72.5	70.2
5	12.00AN	70.2	70.1	74.9
6	1.00PM	66.6	69.6	73.1
7	2.00PM	61.9	65.3	65.2
8	3.00PM	55.4	62.9	60.6
Max.		70.2	72.5	74.9
Min.		55.4	59.6	60.6
Avg.		62.9	65.3	66.9
Prescribed OSHA Norm for Work Zone Area(08hrly)		90		

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Seal of Laboratory

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Report No.: PIL/CEMC/010723/WZNL **Date: 01.07.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2023
- 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) Leq.		
		WZNL1	WZNL2	WZNL3
		07.06.2023	08.06.2023	09.06.2023
1	8.00AM	56.5	60.2	61.6
2	9.00AM	59.1	64.5	65.2
3	10.00AM	63.4	68.9	69.9
4	11.00AM	66.8	70.3	72.4
5	12.00AN	68.4	74.4	73.3
6	1.00PM	72.3	70.3	67.4
7	2.00PM	65.4	66.1	64.3
8	3.00PM	63.3	60.5	62.4
Max.		72.3	74.4	73.3
Min.		56.5	60.2	61.6
Avg.		63.7	66.1	66.0
Prescribed OSHA Norm for Work Zone Area(08hrly)		90		

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Report No.: PIL/CEMC/010823/WZNL **Date: 01.08.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2023
- 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) Leq.		
		WZNL1	WZNL2	WZNL3
		06.07.2023	07.07.2023	08.07.2023
1	8.00AM	52.6	52.8	51.3
2	9.00AM	55.8	59.4	60.8
3	10.00AM	62.7	63.4	65.4
4	11.00AM	73.9	66.8	70.3
5	12.00AN	70.2	70.3	71.8
6	1.00PM	62.4	65.1	68.3
7	2.00PM	60.7	60.7	62.4
8	3.00PM	58.9	59.7	59.1
Max.		73.9	70.3	71.8
Min.		52.6	52.8	51.3
Avg.		64.1	61.8	64.0
Prescribed OSHA Norm for Work Zone Area(08hrly)		90		

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Report No.: PIL/CEMC/010923/SW **Date: 01.09.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : August 2023
- 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 : 01.08.2023

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	SW1	SW2
1.	pH value	----	7.77	7.64
2.	Temperature	^{0}C	17	15
3.	Suspended Solids	mg/l	44	40
4.	Turbidity	NTU	20	18
5.	Total Dissolved Solids	mg/l	150	156
6.	Electrical Conductivity(EC)	µmhos/cm	205	212
7.	Alkalinity (as $CaCO_3$)	mg/l	82	76
8.	Total Hardness (as $CaCO_3$)	mg/l	68	70
9.	Calcium (as Ca)	mg/l	16.2	24.4
10.	Chloride (as Cl)	mg/l	34	40
11.	Fluoride (as F)	mg/l	<0.05	<0.05
12.	Sulfate (as SO_4)	mg/l	20	28
13.	Magnesium (as Mg)	mg/l	7.8	7.2
14.	Nitrate (as NO_3)	mg/l	0.05	0.04
15.	Phosphate	mg/l	0.40	0.44
16.	Dissolved Oxygen as O_2	mg/l	5.4	6.2
17.	Sulfide (as S)	mg/l	<0.1	<0.1
18.	BOD, 3 days at 27^{0}C	mg/l	8.2	9.6
19.	COD	mg/l	17.4	20.2
20.	Copper(as Cu)	mg/l	<0.03	<0.03
21.	Nickel (as Ni)	mg/l	<0.05	<0.05
22.	Manganese (as Mn)	mg/l	<0.05	<0.05
23.	Cadmium (as Cd)	mg/l	<0.003	<0.003
24.	Chromium(VI)	mg/l	<0.002	<0.002
25.	Total Chromium	mg/l	0.006	0.008
26.	Lead (as Pb)	mg/l	<0.01	<0.01
27.	Zinc (as Zn)	mg/l	<0.05	<0.05
28.	Iron (as Fe)	mg/l	0.22	0.26

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Seal of Laboratory: Environmental Laboratory

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Report No.: PIL/CEMC/031023/WZNL

Date: 03.10.2023

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2023
- 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) Leq.		
		WZNL1	WZNL2	WZNL3
		07.09.2023	08.09.2023	09.09.2023
1	8.00AM	59.6	64.3	61.5
2	9.00AM	64.5	68.5	65.8
3	10.00AM	69.2	72.8	72.3
4	11.00AM	72.4	77.2	78.9
5	12.00AN	73.8	70.6	70.4
6	1.00PM	62.1	65.2	65.2
7	2.00PM	60.9	63.7	63.6
8	3.00PM	58.7	62.5	60.5
Max.		73.8	77.2	78.9
Min.		58.7	62.5	60.5
Avg.		65.5	68.0	68.7
Prescribed OSHA Norm for Work Zone Area(08hrly)		90		

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Seal of Laboratory

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Annexure - V

Photographs of covered truck with tarpaulin

For, Prakash Industries Ltd.

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Report No.: PIL/CEMC/010523/SW **Date: 01.05.2023**

- Name of the Industries : M/s Prakash Industries ltd
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : April 2023
- 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 : 03.04.2023

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	SW1	SW2
1.	pH value	---	7.48	7.66
2.	Temperature	$_0C$	21	24
3.	Suspended Solids	mg/l	36	30
4.	Turbidity	NTU	14	10
5.	Total Dissolved Solids	mg/l	134	148
6.	Electrical Conductivity(EC)	µmhos/cm	180	184
7.	Alkalinity (as $CaCO_3$)	mg/l	72	65
8.	Total Hardness (as $CaCO_3$)	mg/l	60	67
9.	Calcium (as Ca)	mg/l	12.4	20.2
10.	Chloride (as Cl)	mg/l	24	30
11.	Fluoride (as F)	mg/l	<0.05	<0.05
12.	Sulfate (as SO_4)	mg/l	16	22
13.	Magnesium (as Mg)	mg/l	5.8	5.2
14.	Nitrate (as NO_3)	mg/l	0.03	0.02
15.	Phosphate	mg/l	0.28	0.32
16.	Dissolved Oxygen as O_2	mg/l	5.8	6.4
17.	Sulfide (as S)	mg/l	<0.1	<0.1
18.	BOD, 3 days at 27°C	mg/l	7.2	7.8
19.	COD	mg/l	14.4	17.2
20.	Copper(as Cu)	mg/l	<0.03	<0.03
21.	Nickel (as NI)	mg/l	<0.05	<0.05
22.	Manganese (as Mn)	mg/l	<0.05	<0.05
23.	Cadmium (as Cd)	mg/l	<0.003	<0.003
24.	Chromium(VI)	mg/l	<0.002	<0.002
25.	Total Chromium	mg/l	0.012	0.010
26.	Lead (as Pb)	mg/l	<0.01	<0.01
27.	Zinc (as Zn)	mg/l	<0.05	<0.05
28.	Iron (as Fe)	mg/l	0.28	0.35

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Report No.: PIL/CEMC/010623/SW **Date: 01.06.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : May 2023
- 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 : 02.05.2023

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	SW1	SW2
1.	pH value	---	7.32	7.54
2.	Temperature	^{o}C	23	21
3.	Suspended Solids	mg/l	32	26
4.	Turbidity	NTU	11	8
5.	Total Dissolved Solids	mg/l	126	134
6.	Electrical Conductivity(EC)	µmhos/cm	172	180
7.	Alkalinity (as $CaCO_3$)	mg/l	65	56
8.	Total Hardness (as $CaCO_3$)	mg/l	54	62
9.	Calcium (as Ca)	mg/l	10.2	16.8
10.	Chloride (as Cl)	mg/l	22	26
11.	Fluoride (as F)	mg/l	<0.05	<0.05
12.	Sulfate (as SO_4)	mg/l	14	18
13.	Magnesium (as Mg)	mg/l	5.4	4.8
14.	Nitrate (as NO_3)	mg/l	0.02	0.01
15.	Phosphate	mg/l	0.24	0.28
16.	Dissolved Oxygen as O_2	mg/l	5.2	5.8
17.	Sulfide (as S)	mg/l	<0.1	<0.1
18.	BOD, 3 days at 27°C	mg/l	6.8	7.4
19.	COD	mg/l	13.2	16.8
20.	Copper(as Cu)	mg/l	<0.03	<0.03
21.	Nickel (as Ni)	mg/l	<0.05	<0.05
22.	Manganese (as Mn)	mg/l	<0.05	<0.05
23.	Cadmium (as Cd)	mg/l	<0.003	<0.003
24.	Chromium(VI)	mg/l	<0.002	<0.002
25.	Total Chromium	mg/l	0.008	0.014
26.	Lead (as Pb)	mg/l	<0.01	<0.01
27.	Zinc (as Zn)	mg/l	<0.05	<0.05
28.	Iron (as Fe)	mg/l	0.32	0.26

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Seal of Laboratory

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Report No.: PIL/CEMC/010723/SW **Date: 01.07.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2023
- 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 : 02.06.2023

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	SW1	SW2
1.	pH value	----	7.56	7.77
2.	Temperature	$_0C$	22	20
3.	Suspended Solids	mg/l	36	32
4.	Turbidity	NTU	14	12
5.	Total Dissolved Solids	mg/l	136	144
6.	Electrical Conductivity(EC)	µmhos/cm	188	192
7.	Alkalinity (as $CaCO_3$)	mg/l	72	64
8.	Total Hardness (as $CaCO_3$)	mg/l	58	60
9.	Calcium (as Ca)	mg/l	12.6	18.2
10.	Chloride (as Cl)	mg/l	28	32
11.	Fluoride (as F)	mg/l	<0.05	<0.05
12.	Sulfate (as SO_4)	mg/l	16	22
13.	Magnesium (as Mg)	mg/l	6.2	5.6
14.	Nitrate (as NO_3)	mg/l	0.03	0.02
15.	Phosphate	mg/l	0.30	0.34
16.	Dissolved Oxygen as O_2	mg/l	5.6	6.2
17.	Sulfide (as S)	mg/l	<0.1	<0.1
18.	BOD, 3 days at 27°C	mg/l	7.6	8.2
19.	COD	mg/l	15.4	17.6
20.	Copper(as Cu)	mg/l	<0.03	<0.03
21.	Nickel (as Ni)	mg/l	<0.05	<0.05
22.	Manganese (as Mn)	mg/l	<0.05	<0.05
23.	Cadmium (as Cd)	mg/l	<0.003	<0.003
24.	Chromium(VI)	mg/l	<0.002	<0.002
25.	Total Chromium	mg/l	0.006	0.012
26.	Lead (as Pb)	mg/l	<0.01	<0.01
27.	Zinc (as Zn)	mg/l	<0.05	<0.05
28.	Iron (as Fe)	mg/l	0.24	0.22

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MoEF&CC, Govt. of India, Recognized Environment Laboratory under Environment (Protection) Act, 1986

Report No.: PIL/CEMC/010723/GW **Date: 01.07.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : June 2022
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ground Water
  GW1 – Malangtoli
  GW2 – Kadakala
  GW3 – Sirkaguttu
  GW4 - Kaijorha
- Date of Sampling : 01.06.2023

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	7.22	7.12	7.16	7.28
4.	Conductivity	µmhos/cm	--	--	44	32	34	28
5.	Turbidity, *max*	NTU	1	5	<1	<1	<1	<1
6.	Total Dissolved Solids, *max*	mg/l	500	2000	206	226	232	214

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	124	138	142	116
2.	Total Hardness, *max*	mg/l	200	600	136	126	146	128
3.	Calcium, *max*	mg/l	75	200	32.6	22.8	28.4	36.2
4.	Chloride, *max*	mg/l	250	1000	36.4	30.2	26.6	32.4
5.	Fluoride, *max*	mg/l	1.0	1.5	0.14	0.20	0.26	0.18
6.	Sulphate, *max*	mg/l	200	400	34	30	44	38
7.	Iron, *max*	mg/l	0.3	No relaxation	0.22	0.18	0.24	0.16
8.	Zinc, *max*	mg/l	5	15	0.20	0.32	0.26	0.18
9.	Nitrate, *max*	mg/l	45	No relaxation	0.26	0.34	0.24	0.22
10.	Free Residual Chlorine, *min*	mg/l	0.2	1.0	ND	ND	ND	ND
11.	Phenolic Compound, *max*	mg/l	0.001	0.002	<0.001	<0.001	<0.001	<0.001
12.	Manganese, *max*	mg/l	0.1	0.3	0.014	0.006	0.012	0.016
13.	Copper, *max*	mg/l	0.05	1.5	<0.03	<0.03	<0.03	<0.03

14.	Boron, *max*	mg/l	0.5	1.0	<0.2	<0.2	<0.2	<0.2

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	<0.05	<0.05	<0.05	<0.05
2.	Cadmium, *max*	mg/l	0.003	No relaxation	<0.003	<0.003	<0.003	<0.003
3.	Cyanide, *max*	mg/l	0.05	No relaxation	ND	ND	ND	ND
4.	Total Chromium, *max*	mg/l	0.05	No relaxation	<0.002	<0.002	<0.002	<0.002
5.	Hexavalent Chromuim	mg/l	$	$	<0.002	<0.002	<0.002	<0.002
6.	Lead, *max*	mg/l	0.01	No relaxation	<0.01	<0.01	<0.01	<0.01

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/100ml	--	--	Nil	Nil	Nil	Nil
2.	Fecal Coliform	MPN/100ml	--	--	Nil	Nil	Nil	Nil
3.	Total Coliform	MPN/100ml	--	--	Nil	Nil	Nil	Nil

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Envotech & Management Consultancy Pvt. Ltd. Environmental Laboratory
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Report No.: PIL/CEMC/010823/SW **Date: 01.08.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : July 2023
- 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 : 03.07.2023

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	SW1	SW2
1.	pH value	—	7.62	7.84
2.	Temperature	^{0}C	18	16
3.	Suspended Solids	mg/l	40	36
4.	Turbidity	NTU	18	16
5.	Total Dissolved Solids	mg/l	142	148
6.	Electrical Conductivity(EC)	µmhos/cm	196	201
7.	Alkalinity (as $CaCO_3$)	mg/l	78	70
8.	Total Hardness (as $CaCO_3$)	mg/l	62	66
9.	Calcium (as Ca)	mg/l	14.4	20.2
10.	Chloride (as Cl)	mg/l	30	36
11.	Fluoride (as F)	mg/l	<0.05	<0.05
12.	Sulfate (as SO_4)	mg/l	18	26
13.	Magnesium (as Mg)	mg/l	7.4	6.8
14.	Nitrate (as NO_3)	mg/l	0.04	0.03
15.	Phosphate	mg/l	0.36	0.38
16.	Dissolved Oxygen as O_2	mg/l	5.8	6.4
17.	Sulfide (as S)	mg/l	<0.1	<0.1
18.	BOD, 3 days at 27^{0}C	mg/l	7.8	8.8
19.	COD	mg/l	16.2	18.4
20.	Copper(as Cu)	mg/l	<0.03	<0.03
21.	Nickel (as Ni)	mg/l	<0.05	<0.05
22.	Manganese (as Mn)	mg/l	<0.05	<0.05
23.	Cadmium (as Cd)	mg/l	<0.003	<0.003
24.	Chromium(VI)	mg/l	<0.002	<0.002
25.	Total Chromium	mg/l	0.008	0.010
26.	Lead (as Pb)	mg/l	<0.01	<0.01
27.	Zinc (as Zn)	mg/l	<0.05	<0.05
28.	Iron (as Fe)	mg/l	0.28	0.24

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Centre for Envotech & Management Consultancy Pvt. Ltd. Environmental Laboratory

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Report No.: PIL/CEMC/010923/WZNL

Date: 01.09.2023

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : August 2023
- 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) Leq.		
		WZNL1	WZNL2	WZNL3
		07.08.2023	08.08.2023	09.08.2023
1	8.00AM	58.6	61.9	60.6
2	9.00AM	63.4	65.3	63.8
3	10.00AM	68.9	69.1	68.9
4	11.00AM	70.1	72.6	72.2
5	12.00AN	73.5	75.1	70.5
6	1.00PM	66.1	71.6	66.2
7	2.00PM	62.6	65.3	61.6
8	3.00PM	60.3	62.4	58.4
Max.		73.5	75.1	72.2
Min.		58.6	61.9	58.4
Avg.		65.0	67.2	64.5
Prescribed OSHA Norm for Work Zone Area(08hrly)		90		

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Report No.: PIL/CEMC/031023/SW **Date: 03.10.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2023
- 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 : 01.09.2023

ANALYSIS RESULTS OF SURFACE WATER

Sl. no.	Parameters	Unit	SW1	SW2
1.	pH value	----	7.58	7.70
2.	Temperature	^{o}C	16	14
3.	Suspended Solids	mg/l	38	36
4.	Turbidity	NTU	16	14
5.	Total Dissolved Solids	mg/l	148	152
6.	Electrical Conductivity(EC)	µmhos/cm	196	210
7.	Alkalinity (as $CaCO_3$)	mg/l	80	74
8.	Total Hardness (as $CaCO_3$)	mg/l	64	66
9.	Calcium (as Ca)	mg/l	14.6	20.8
10.	Chloride (as Cl)	mg/l	30	36
11.	Fluoride (as F)	mg/l	<0.05	<0.05
12.	Sulfate (as SO_4)	mg/l	18	26
13.	Magnesium (as Mg)	mg/l	7.4	6.6
14.	Nitrate (as NO_3)	mg/l	0.04	0.03
15.	Phosphate	mg/l	0.36	0.42
16.	Dissolved Oxygen as O_2	mg/l	5.6	5.8
17.	Sulfide (as S)	mg/l	<0.1	<0.1
18.	BOD, 3 days at $27^{o}C$	mg/l	7.8	8.4
19.	COD	mg/l	16.6	18.4
20.	Copper(as Cu)	mg/l	<0.03	<0.03
21.	Nickel (as Ni)	mg/l	<0.05	<0.05
22.	Manganese (as Mn)	mg/l	<0.05	<0.05
23.	Cadmium (as Cd)	mg/l	<0.003	<0.003
24.	Chromium(VI)	mg/l	<0.002	<0.002
25.	Total Chromium	mg/l	0.005	0.007
26.	Lead (as Pb)	mg/l	<0.01	<0.01
27.	Zinc (as Zn)	mg/l	<0.05	<0.05
28.	Iron (as Fe)	mg/l	0.28	0.32

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Report No.: PIL/CEMC/031023/GW **Date: 03.10.2023**

- Name of the Industries : M/s Prakash Industries ltd.
- Name of the Mine : Sirkaguttu Iron and Manganese Ore Mine
- Period of Monitoring : September 2022
- Sample Collected by : M/s Centre for Envotech and Management Consultancy Pvt. Ltd.
- Type of Sample : Ground Water
  GW1 – Malangtoli
  GW2 – Kadakala
  GW3 – Sirkaguttu
  GW4 - Kaijorha
- Date of Sampling : 01.09.2023

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	7.16	7.24	7.08	7.12
4.	Conductivity	µmhos/cm	--	--	36	26	32	24
5.	Turbidity, *max*	NTU	1	5	<1	<1	<1	<1
6.	Total Dissolved Solids, *max*	mg/l	500	2000	198	212	228	210

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	116	132	136	124
2.	Total Hardness, *max*	mg/l	200	600	128	118	132	116
3.	Calcium, *max*	mg/l	75	200	24.8	30.2	26.8	32.6
4.	Chloride, *max*	mg/l	250	1000	42.6	36.8	30.4	40.2
5.	Fluoride, *max*	mg/l	1.0	1.5	0.10	0.16	0.20	0.14
6.	Sulphate, *max*	mg/l	200	400	42	46	38	36
7.	Iron, *max*	mg/l	0.3	No relaxation	0.16	0.12	0.22	0.24
8.	Zinc, *max*	mg/l	5	15	0.28	0.24	0.32	0.22
9.	Nitrate, *max*	mg/l	45	No relaxation	0.32	0.26	0.30	0.34
10.	Free Residual Chlorine, *min*	mg/l	0.2	1.0	ND	ND	ND	ND
11.	Phenolic Compound, *max*	mg/l	0.001	0.002	<0.001	<0.001	<0.001	<0.001
12.	Manganese, *max*	mg/l	0.1	0.3	0.010	0.012	0.018	0.022
13.	Copper, *max*	mg/l	0.05	1.5	<0.03	<0.03	<0.03	<0.03

14.	Boron, *max*	mg/l	0.5	1.0	<0.2	<0.2	<0.2	<0.2

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	<0.05	<0.05	<0.05	<0.05
2.	Cadmium, *max*	mg/l	0.003	No relaxation	<0.003	<0.003	<0.003	<0.003
3.	Cyanide, *max*	mg/l	0.05	No relaxation	ND	ND	ND	ND
4.	Total Chromium, *max*	mg/l	0.05	No relaxation	<0.002	<0.002	<0.002	<0.002
5.	Hexavalent Chromuim	mg/l	$	$	<0.002	<0.002	<0.002	<0.002
6.	Lead, *max*	mg/l	0.01	No relaxation	<0.01	<0.01	<0.01	<0.01

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/100ml	--	--	Nil	Nil	Nil	Nil
2.	Fecal Coliform	MPN/100ml	--	--	Nil	Nil	Nil	Nil
3.	Total Coliform	MPN/100ml	--	--	Nil	Nil	Nil	Nil

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EXPENSES INCURRED FOR ENVIRONMENTAL MANAGEMENT
(For the Period of April 2023 to September 2023)

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.	1,25,000/-	1,25,000/-
	(A) Sub Total Rs.	**1,25,000/-**	**1,25,000/-**
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.	17,16,000/-	17,16,000/-
2.	Wheel washer construction work (Already constructed)		
	(B) Sub Total Rs.	**17,16,000/-**	**17,16,000/-**
C.	**Solid/Hazardous Waste Management**		
1	Disposal of Solid Waste	47,25,000/-	47,25,000/-
	(C) Sub Total Rs.	**47,25,000/-**	**47,25,000/-**
D.	**Other Areas**		
1	Environmental consultant for Environmental monitoring	1,48,600/-	1,48,600/-
2	Maintenance of Plants	3,08,256/-	3,08,256/-
3	Housekeeping work.	3,08,256/-	3,08,256/-
	(D) Sub Total Rs.	**7,65,112/-**	**7,65,112/-**
	GRAND TOTAL (A+B+C+D) Rs.	**73,31,112/-**	**73,31,112/-**

For, Prakash Industries Ltd.

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