

KLCM/ENV/319/2025

Dated: 24.11.2025

To  
The Scientist ( E)  
Ministry of Environment, Forest & Climate Change,  
Regional Office, A/3, Chandrasekhar,  
Bhubaneswar, Odisha

Sub.: Submission of Six-monthly EC compliance report for the period Apr'2024 to Sept'2025 in respect of Kalarangiatta Chromite Mines of M/s Ferro Alloys Corporation Limited.

Ref.: MoEF EC Letter No.: J-11015/183/2007-IA II(M) dtd.13.05.2009

Dear Sir,

With reference to the captioned subject & cited reference, we are herewith submitting six monthly compliance reports pertaining to Kalarangiatta Chromite Mines of M/s FACOR Ltd for your kind perusal.

Thanking You.

Yours faithfully,  
for Ferro Alloys Corporation LTD



MINES MANAGER  
KALARANGIATTA CHROMITE MINE  
M/s FACOR LTD

Encl.: A/a

CC: I. The Member Secretary, State Pollution Control Board, Bhubaneswar, Odisha  
II. The Member Secretary, SEIAA, Bhubaneswar, Odisha

**M/s. Ferro Alloys Corporation Ltd. (A subsidiary of Vedanta Ltd.)**

**Registered Office:**

D.P.Nagar, PO : Randia, Dist.: Bhadrak, Odisha, India - 756 135

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Website: [www.facorgroup.in](http://www.facorgroup.in), CIN: U45201OR1955PLC008400.

**Name of the Project : Kalarangiatta Chromite Mines, M/s. FACOR Ltd.**


**Project Code : Mining (Non-Coal)**



**EC No. with date : J-11015/183/2007-IA-II (M)dated.13-05-2009**

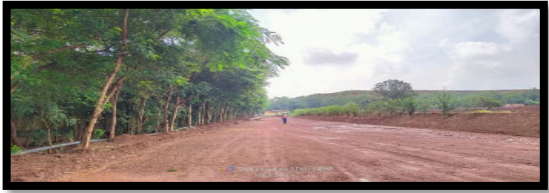
**Period of Compliance Report : Apr'2025 to Sept'2025**

**Specific Condition**



Sl. No.	Condition	Compliance Status
1	All the conditions stipulated by the State Pollution control Board, Odisha in their consent to establish shall be effectively implemented.	Complied. All stipulated conditions are being effectively implemented.  The Mining operation is under discontinued since 26.01.2023.  So, there is no work in the Mines during the last Six monthly compliance period i.e Apr'2025 to Sept'2025.
2	The environmental clearance is granted for opencast mining only. For the underground mining, the project proponent shall obtain separate clearance after getting the mine plan approval from the Indian Bureau of Mines.	Complied. Presently it is under opencast working.  We hereby ensured that before starting of underground mining we will obtain separate Environment Clearance after getting the mining plan approval from the Indian Bureau of Mines.
3	The environmental clearance is subject to approval of the State Land purposes Dept. Govt. of Odisha for diversion of agricultural land for non-agricultural use.	Complied.  The office of Collector Jajpur has already granted Surface Right to FACOR over the total lease land area of Kalarangiatta Chromite Mines for mining purpose.
4	The Project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations.  Adequate measures shall be taken for protection of Damsala Nallah and other seasonal channels, if any emanating from the mine lease, during the course of mining operation.	Complied. There is no natural water course or water resource obstructed due to the mining operation. Adequate measures were been taken before discharging the mines pumped out water to Damsala Nallah.  But, presently there is no Mining operation being carried out as the Mine is under discontinued since 26.01.2023.
5	The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	Complied. All the generated Top soil has been utilized for plantation purpose.  And there is no work in the Mines during the last Six monthly compliance period i.e Apr'2025 to Sept'2025.
6	The overburden (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 their phase-	Complied.  All the generated OB has been stacked in earmarked area as per the Approved Mining Plan.



	<p>wise stabilization shall be carried out. There shall be one external over burden dump having maximum projected height of 30m. Proper terracing of the OB dump maintained to 27°.</p> <p>The OB dump shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment &amp; Forests and its Regional Office located at Bhubaneswar on six monthly basis</p>	<p>Several precautions have already been taken in the dump for its slope stabilization which are given below</p> <ol style="list-style-type: none"> <li>1. Dumping is being carried out in peripheral dumping method by using dozers. In this method the materials are compacted by running of vehicles as well as the dozer.</li> <li>2. The top surface is also maintained to avoid ponding of water which affect the stability of the dump.</li> <li>3. The overburden is stacked in bench form to ensure stability.</li> <li>4. The bench height is maintained at 10 – 15mtrs.</li> <li>5. Various types of plants such as Acacia, Chakunda, Teak, Chhatian etc. have been planted in the inactive portions of the overburden dump.</li> <li>6. The overburden dump has been stabilized by tree plantation in the dead benches after carrying out suitable terracing of size 2 M × 1 M each.</li> <li>7. Grass patching has been developed on the dump slopes to ensure prevention of erosion of soil from the dump slopes due to rainwater.</li> <li>8. Proper drainage system has already been maintained to prevent rain cuts on the dump.</li> <li>9. Proper garland drain is being maintained all around the dump to collect the surface runoff during rain.</li> <li>10. Over the bench surface of the overburden dump yard longitudinal and transverse drains have been made to enable the water to flow to the settling pit through proper drainage system. This not only prevents erosion of overburden dump material but also ensure stability of overburden dump by preventing development of hydro static pressure inside the overburden dump and proper channelization of rainwater for plantation purposes. As a result, the generation of rain cut is very negligible.</li> <li>11. We have already planted 17715 nos. of Saplings to stabilize this overburden dump including safety zone also.</li> </ol>  <p>There is no work in the Mines during the last Six monthly compliance period i.e Apr'2025 to Sept'2025</p>
7	<p>Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, soil, OB and mineral dumps to arrest flow of silt and</p>	<p>Complied.</p> <p>Already 1971 meters of garland drains has been constructed around the working pit, OB &amp; mineral dumps with siltation</p>



	<p>sediment directly into the Damsala Nallah and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc.</p> <p>The drains should be regularly de-silted particularly after the monsoon and maintained properly. Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and overburden dump to prevent run off of water and flow of sediments directly into the Damsala Nallah and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years of data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.</p> <p>Storm water return system should be provided. Storm water should not be allowed to go to the effluent treatment plant during high rainfall/super cyclone period. A separate storm water sump for this purpose should be created.</p>	<p>ponds at different intervals to arrest flow of silt &amp; sediments.</p>  <p><b>Garland Drain</b></p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e Apr'2025 to Sept'2025.</p>
8	<p>Dimension of retaining wall at the toe of the overburden dump and the OB benches within the mine to check run-off and siltation should be based on the rainfall data.</p>	<p>Complied.</p> <p>About 920 meters of retaining wall of width 1.5m and height 1.2m has been constructed at toe of the overburden dump to check run-off and siltation.</p>  <p><b>Retaining Wall</b></p>
9	<p>Effluents containing <math>\text{Cr}^{+6}</math> shall be treated to meet the prescribed standards before reuse/discharge. Effluent treatment plant should be provided for treatment of mine water discharge and wastewater generated from the workshop and mineral separation plant.</p> <p>Run off from the OB dump and other surface run off should be analyzed for <math>\text{Cr}^{+6}</math> and in case its concentration is found higher than the</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>

	permissible limit the water should be treated before reuse/discharge.	
10	Separate impervious concrete pits for disposal of sludge shall be provided for the safe disposal of sludge generated from the mining operations.	Complied. Separate impervious pit has already been provided for disposal of sludge generated from treatment of water generated during the mining operation.
11	The project proponent shall ensure that the treated effluents conforming to the prescribed standards shall only be discharged.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.
12	Plantation shall be raised in an area of 12.715 ha. Including 7.5m wide green belt in the safety zone around the mining lease, overburden dump, roads etc. by planting the native species in consultation with the local DFO/Agriculture Dept. The density of the trees should be around 2500 plants per hect.	Complied. Sapling have been planted in the safety zone area around the mining lease and inactive bottom slope of the dump.   <p style="text-align: center;"><b>Plantation in Safety Zone</b></p>
13	The void left unfilled in an area of 5.21 hectares shall be converted into the water body. The higher benches of the excavated void/mine pit shall be terraced and plantation done to stabilize the slopes. The slopes of higher benches shall be made gentler for easy accessibility by the local people to use the water body. Peripheral fencing shall be carried out all along the excavated area.	The same will be implemented at the end of mining Operation.
14	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM & RSPM such as around crushing and screening plant, loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.
15	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Complied. Three main rain water harvesting structure have been made in Mining premises i.e. Check Dam, Garland drain & Settling pond/tank to augment the ground water resources.



		 <p><b>Check Dam</b></p>
16	<p>Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers in and around the mining lease during the mining operation. The periodical monitoring {(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)} shall be carried out in consultation with the state ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the MoEF and its Regional Office, Bhubaneswar, the Central Ground Water Authority and the Regional Director, CGWB. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.</p>	<p>work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p> <p>Only Ground water quality &amp; Level is monitored in the Borehole installed inside the Mine.</p>  <p>Digital water level recorders</p>
17	<p>Regular monitoring of water quality upstream and downstream of the Damsala nallah shall be carried out of monitored data should be maintained and submitted to the Ministry of Environment &amp; Forests, its Regional Office, Bhubaneswar, the Central Ground water Authority, the Regional Director, Central Ground water Board, the State Pollution control Board and the Central Pollution Control Board.</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
18	<p>The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project and effectively implement all the conditions stipulated therein.</p>	<p>Complied.</p> <p>NOC is obtained vide ref. no.: CGWA/NOC/MIN/REN/3/2025/11184, dated 19.3.2025. The stipulated conditions are being effectively implemented.</p> <p>Copy of CGWA NOC is enclosed vide <b>Annexure No.-1</b></p>
19	<p>Suitable rainwater harvesting measure on long term basis shall be planned and implemented in consultation with the Regional Director, CGWB.</p>	<p>Complied.</p> <p>Rainwater is being collected in pits and pond for suitable rainwater harvesting measures. Also roof top rainwater harvesting measure is implemented within the lease area.</p>



		 <p style="text-align: center;"><b>Roof Top Rain-Water Harvesting</b></p>
20	<p>Vehicular emissions shall be kept under control and regularly monitored.</p> <p>Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral.</p> <p>The mineral transportation shall be carried out through the covered trucks only and vehicles carrying the mineral shall not be overloaded.</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
21	<p>Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The Fitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.</p>	<p>At present, blasting operation has not been carried out. Excavation has been carried out by machines only.</p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six-monthly compliance period i.e April'2025 to September'2025.</p>
22	<p>Drills shall either be operated with dust extractors or equipped with water injection system.</p>	<p>Drilling has not been done so far. In future, if drilling is required, then wet drilling practice will be adopted in future.</p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six-monthly compliance period i.e April'2025 to September'2025</p>
23	<p>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.</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
24	<p>Sewage treatment plant shall be installed for the colony, ETP shall also be provided for the workshop and waste water generated during the mining operation.</p>	<p>Complied.</p> <p>One 20 KJLD STP has been installed to treat the domestic wastewater &amp; to reuse it for gardening purpose.</p>  <p style="text-align: center;"><b>STP ( 20 KLD)</b></p>

		<p>All the mining machineries have been engaged by contractor for mining operation and the maintenance work of their machines have been carried out at outside workshop. Therefore, question of workshop effluent does not arise. An ETP has been established for treatment of mines pumped out water and surface runoff water before discharge to outside leasehold area.</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;"><b>ETP</b></p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
25	Consent to operate shall be obtained from the State Pollution Control Board, Odisha before starting production from the mine.	<p>Latest CTO obtained vide No. CTO/4158/IND-I-CON-6318, dated 17.03.2022, valid till 31.3.2023</p> <p>After that , we have applied for renewal. It is under process.</p>
26	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed mine	<p>Complied.</p> <p>Sample survey for community health status within 1 Km radius from Project area has already been done earlier.</p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
27	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	<p>Complied.</p> <p>Pre-placement medical examination has already been carried out of the workers engaged in the project and the records are being maintained and periodical medical examination is being carried out once in three years &amp; five years depending on the age factor.</p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
28	Provision shall be made for the housing of construction labor 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.	<p>Complied.</p> <p>Housing for construction labor is not required since the laborers are coming from nearby villages.</p>



29	<p>The critical parameters such as SPM, RSPM, NOx, In the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closure shall be monitored periodically (at least once a month). Further, quality of discharged water shall also be monitored (TDS, DO, pH, suspended particulate matter and Cr<sup>+6</sup>).</p> <p>The monitored data shall be uploaded on the website as well as displayed on a display board at a suitable location in public domain.</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six-monthly compliance period i.e April'2025 to September'2025.</p>
30	<p>The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely elephant etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Dept. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the MoEF and its Regional Office, Bhubaneswar.</p>	<p>Complied.</p> <p>Wildlife management plan has been prepared by accredited consultant "M/s Chandanam". It is approved from the competent Authority vide Ref no.:10180/CWLW-W-FDWC-FD-0032-2022/11-Nov-2022.</p> <p>Copy of approval is enclosed as <b>Annexure No.-2</b></p> <p>Further, Biodiversity study has been carried out by a domain expert.</p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
31	<p>A final Mine Closure Plan along with details of Corpus Fund shall be submitted to the MoEF 5 years in advance of final mine closure for approval.</p>	<p>The same will be submitted in due time to MOEF for approval.</p>

## **GENERAL CONDITIONS: -**

<b>Sr. No</b>	<b>Conditions</b>	<b>Compliance Status</b>
1	No change in mining technology and scope of working should be made without prior approval of the MoEF.	Complied. The Mining technology & scope of working will not change without approval of Ministry of Environment & Forest.
2	No change in the calendar plan including excavation, quantum of mineral chromite ore and the waste shall be made.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.
3	At least four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO <sub>2</sub> , & NO <sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Complied. Ambient Air quality monitoring stations has already been established in consultation with SPCB. <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <p>Near Office Building</p> <p>Near ETP</p> </div>
4	Data on ambient air quality (RSPM, SPM, SO <sub>2</sub> & NO <sub>x</sub> ) should be regularly submitted to the MoEF including its Regional. Office located at Bhubaneswar and the state Pollution Control Board / Central Pollution Control Board once in six months.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six-monthly compliance period i.e. April'2025 to September'2025.
5	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e. April'2025 to September'2025.
6	Measures should be taken for control of noise levels below 85 dB (A) in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e. April'2025 to September'2025.
7	Industrial wastewater (Workshop & Waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) Dtd. 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.

8	<p>Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
9	<p>A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.</p>	<p>Complied.</p> <p>A separate Environment Management Cell with qualified personnel and well-equipped Environment Engineering Laboratory are functioning under the control of a Senior Executive.</p> <p>Copy is enclosed as <b>Annexure No.-3</b></p>
10	<p>The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the MoEF and its Regional Office located at Bhubaneswar.</p>	<p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six monthly compliance period i.e April'2025 to September'2025.</p>
11	<p>The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.</p>	<p>Complied.</p> <p>The date of final approval of the Project is 04.10.2010 by DMS and 23-01-2012 by SPCB.</p>
12	<p>The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the Officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.</p>	<p>Complied.</p> <p>As &amp; when required and during the inspection, full co-operation is being extended by the project authorities.</p>
13	<p>The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the MoEF, its Regional Office, Bhubaneswar, CPCB, and SPCB, The project proponent shall upload the status of compliance of the environment clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, MoEF, Bhubaneswar.</p>	<p>Complied.</p> <p>All the stipulated conditions have been implemented. The Six-monthly report on Status of compliance of the Environmental Clearance conditions have been submitted to the concerned authorities and the same is being uploaded in our website <a href="https://www.facorgroup.in">https://www.facorgroup.in</a></p> <p>Due to the Suspension of mining operation, there is no work in the Mines during the last Six-monthly compliance period i.e April'2025 to September'2025.</p>
14	<p>A copy of clearance letter will be marked to concerned Panchayat / local NGO, If any, from whom suggestion/representation has been received while processing the proposal.</p>	<p>Complied</p>

	The clearance letter shall also be put on the web site of the company.	
<b>15</b>	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/Tehsildar's Office for 30 days.	NA for PP
<b>16</b>	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within seven (7) days of the issue of the clearance letter informing that the project was been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.	Complied



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)  
**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:		Kalarangiatta Chromite Mines Of M/s Facor Ltd.											
Project Address:		At/po: Kalarangiatta											
Village:		Kalarangiata (ct)		Block:	Sukinda								
District:		Jajapur		State:	Odisha								
Pin Code:													
Communication Address:		C/o Ostapal Chromite Mines, Facor, At : Gurujang, Po : Kaliapani, Sukinda, Jajapur, Odisha - 755028											
Address of CGWB Regional Office :		Central Ground Water Board South Eastern Region, Bhujal Bhawan, Khandagiri Square, Nh-5, Bhubaneshwar, Khordha, Odisha - 751030											
1. <b>NOC No.:</b>	CGWA/NOC/MIN/REN/3/2025/11184			2. <b>Date of Issuance</b>	19/03/2025								
3. Application No.:	21-4/1457/OR/MIN/2017			4. Category: (GWRE 2024)	Safe								
5. Project Status:	Existing Ground Water			6. NOC Type:	Renewal								
7. <b>Valid from:</b>	07/08/2024			8. <b>Valid up to:</b>	06/08/2026								
9. Ground Water Abstraction Permitted:													
Fresh Water		Saline Water		Dewatering		Total							
m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year						
20.00	7300.00			1836.00	670140.00	1856.00	677440.00						
10. Details of ground water abstraction /Dewatering structures													
Total Existing No							Total Proposed No						
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*	0	0	1	0	0	0	0	0	0	0	0	0	
Dewatering Structure*	0	0	0	0	0	1	0	0	0	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps													
11. Ground Water Abstraction/Restoration Charges paid (Rs.):							1693600.00						
12. Environment Compensation (if applicable) paid (Rs.):							0.00						
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers		Monitoring Mechanism						
							Manual	DWLR**	DWLR With Telemetry				
**DWLR - Digital Water Level Recorder					2		0	1	1				

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011  
Phone: (011) 23383561 Fax: 23382051, 23386743  
Website: cgwa-noc.gov.in

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SAVE WATER - SAVE LIFE



**Validity of this NOC shall be subject to compliance of the following conditions:**

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**

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**पानी बचाये – जीवन बचाये  
SAVE WATER - SAVE LIFE**



**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE)  
& CHIEF WILDLIFE WARDEN, ODISHA**

**Government of Odisha, Forest, Environment & Climate Change Department**

PRAKRUTI BHAWAN, PLOT NO.1459, SAHEED NAGAR, BHUBANESWAR- 751007

Phone: 0674-2602250, Website: [www.wildlife.odisha.gov.in](http://www.wildlife.odisha.gov.in), Email: [odishawildlife@gmail.com](mailto:odishawildlife@gmail.com)

No. 10980 / CWLW-FDWC-FD-0032-2022

Bhubaneswar, Dated the 11 November, 2022

To

The Director (Mines)  
M/s FACOR Ltd.  
Laxmi Bhawan, Kuans, Bhadrak – 756100

Sub: Mining of Chromite ore in Kalarangiatta Chromite Mines of M/s Ferro Alloys Corporation Limited in Jajpur District - Approval of Site Specific Wildlife Conservation Plan

Sir,

It is to intimate that you have to implement mitigation measures as per the Site Specific Wildlife Conservation Plan approved in compliance to Standard ToR No.(xviii) for Mining Project prescribed by SEIAA, Odisha in their letter No.3495/SEIAA dt 18.11.2021.

2. I am directed to convey the approval of PCCF (WL) & CWLW, Odisha for the Site Specific Wildlife Conservation Plan in respect of the above project at financial outlay of ₹150.52 lakh (Rupees one crore fifty lakh fifty-two thousand) only as detailed below -

Sl. No.	Name of the Division	Cost of approved activities
i	In project impact area in Cuttack Division	₹105.922 lakh
ii	In project impact area in Dhenkanal Division	₹35.118 lakh
iii	In project impact area in Keonjhar WL Division	₹9.480 lakh
<b>Total cost :</b>		<b>₹150.520 lakh</b>

3. Activities in the project area will be executed by the project proponent under the guidance of DFO, Cuttack Division. A sum of ₹150.52 lakh only shall be deposited in State CAMPA fund only through e-portal (<https://parivesh.nic.in/>) for implementation of various activities within the project impact area by the Forest Department through concerned DFOs.

4. The following conditions may be noted for future compliance.

- If there would be need for Site Specific Wildlife Conservation Plan after expiry of the present plan period, the User agency will have to submit another such plan at least one year before the expiry of the existing Conservation Plan and deposit the amount upon its approval. In case of delay, it will be dealt as per law for violations of Forest (Conservation) Act, 1980 and Environment (Protection) Act, 1986.
- The user agency has to give an undertaking to bear the differential cost in case of enhancement of wage rate during implementation of the plan.

Encl: Copy of approved SSWLCP

Yours faithfully

Conservator of Forests (Wildlife)

P.T.O.



Memo No. 10181 /dt 11/11/2022

Copy forwarded for information and necessary action to the -

1. OSD-cum-Special Secretary to Government of Odisha, F,E &CC Department, Bhubaneswar with reference to that Department Memo.No.10F (Cons)228/2016/13770/F&E dt 27.07.2016.
2. PCCF & HoFF, Odisha with reference to F,E&CC Department Memo.No.13770/F&E dt 27.07.2016.
3. Regional Chief Conservator of Forests, Angul Circle with reference to Memo.No.6766 dt 13.10.2022 of DFO, Cuttack Division
4. Regional Chief Conservator of Forests, Baripada Circle with reference to this office Memo.No.8400 dt 19.09.2022
5. Divisional Forest Officer(s), Cuttack/ Dhenkanal/ Keonjhar WL Division alongwith copy of approved SSWLCP



Conservator of Forests (Wildlife)



# **STATUS OF ENVIRONMENT MANAGEMENT CELL IN M/S FERRO ALLOYS CORPORATION LTD.**

## A. Details of Persons available in the Cell:

Sl.No.	Name of the Persons	Designation	Duty assigned	Mob. No / Email	Qualification
01	Krutisunder Mohapatra	Chief- HSE	Health, Safety & Environment	7894405442 krutisunder.mohapatra@vedanta.co.in	M.Tech in ENV., PDIS, PGDBM
02	Biswa Bhusan Panigrahi	Head- Environment	Env.mgmt.& Pollution control	7735738480 biswabhusan.panigrahi@vedanta.co.in	M.Sc. in Environmental Science
03	Susanta Biswal	Head Geology & Environment (Mines)	Env. Mgmt & Pollution control	9437496738 susanta.biswal@vedanta.co.in	M.Sc. in Geology
04	Somnath Pal	Lead- Environment	Env.mgmt.& Pollution control	9064376724 somnath.pal@vedanta.co.in	M.Tech in Environmental Engineering
05	Avik Biswas	Lead- Sustainability	ESG & Sustainability	8902791259 avik.biswas@vedanta.co.in	Postgraduate Diploma in Forestry Management
06	Nilesh Pratap Singh	Lead- Sustainability	ESG & Sustainability	8455002075 nilesh.singh1@vedanta.co.in	Postgraduate Diploma in Sustainability Management
07	Dr Swati Jaiswar	Medical Officer (Plant)	Occupational Health	7536073463 ohc.facor@vedanta.co.in	MBBS, AFIH
08	Dr Anil Mahto	Medical Officer (Mines)	Occupational Health	7328002623 ohc.ostapal@vedanta.co.in	MBBS, AFIH

## B. Reporting system of the Environment Management Cell (Please enclose Organization Chart).

