

COMPLIANCE OF EC CONDITIONS OF CLUSTER- XVII
EC order no- J-11015/373/2013-IA.II (M) Dated 01.02.2021

Sl. No.	Conditions	Compliance Status															
	Specific Conditions																
1.	<p>i) EAC recommended for an amount of Rs 5375.00 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given below:</p> <table border="1"> <thead> <tr> <th>Sl. No.</th><th>Head</th><th>Amount (in Rs. Lakhs)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Remediation Plan</td><td>4425</td></tr> <tr> <td>2.</td><td>Natural Resource Augmentation Plan</td><td>100</td></tr> <tr> <td>3.</td><td>Community Resource Augmentation Plan</td><td>850</td></tr> <tr> <td colspan="2">Total</td><td>5375</td></tr> </tbody> </table>	Sl. No.	Head	Amount (in Rs. Lakhs)	1.	Remediation Plan	4425	2.	Natural Resource Augmentation Plan	100	3.	Community Resource Augmentation Plan	850	Total		5375	Action plan & Proposal for different activities is being prepared and will be implemented within three years.
Sl. No.	Head	Amount (in Rs. Lakhs)															
1.	Remediation Plan	4425															
2.	Natural Resource Augmentation Plan	100															
3.	Community Resource Augmentation Plan	850															
Total		5375															
2.	<p>ii) Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs. 5375.00 lakhs. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 5375.00 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.</p>	Bank Guarantee has been submitted to WBPCB , HQ .															
3.	<p>iii) Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.</p>	Will be complied.															
4.	<p>iv) Fund allocation for Corporate Environment Responsibility (CER) of Rs. 1532 lakhs/- to be implemented as per the details submitted to the Ministry and to be spent in three years</p>	Fund has been allocated and will be spent within Three years.															
5.	<p>v) Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for</p>	Being followed.															

	the project activities. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.	
6.	vi) The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon"ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors	Being followed.
7.	vii) State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict Compliance of judgment of Hon"ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors	Being followed.
8.	viii) Solid waste management as per SWM rules 2016 shall be complied within their colony.	Will be complied.
9.	ix) Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.	Will be complied.
10.	x) Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities /department.	Will be complied.
11.	xi) The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.	Will be complied.
12.	xii) Greenbelt development/Bio-diversity Conservation Plan shall be implemented to mitigate the impacts as predicted in the EIA/EMP.	Will be followed.
	(A) Statutory Compliance.	
13.	i) The Project proponent shall obtain Forest Clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose	Not applicable.

	involved in the project.	
14.	ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable.
15.	iii) The project proponent shall prepare a Site-Specific Conservation Plan/ Wildlife Management Plan and approved by the chief Wildlife Warden. The recommendations of the approved Site-Specific conservation plan/Wildlife Management plan shall be implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).	Not applicable.
16.	iv) The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & control of Pollution) Act, 1974 from the concerned State Control of Pollution Board/Committee.	Being followed.
17.	v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Applied to SWID, WB.
18.	vi) Solid /hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016 /Hazardous & other Waste Management Rules, 2016.	Will be followed.
	(B) Air quality monitoring and preservation.	
19.	i) Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.	Being followed
20.	ii) The Ambient Air Quality monitoring in the core zone shall be carried out ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25 th September, 2000 and as amended	Being followed.

	from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metal such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office to the CPCB/SPCB.	
21.	iii) Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors, Effective control measures such as regular water/mist sprinkling/rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul road, loading/unloading and transfer points . Fugitive dust emission from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central / State Pollution Control Board.	Will be followed.
22.	iv) The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of of the coal through the existing road passing through any village shall be avoided, In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	Will be followed.
23.	v) Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centers.	Will be followed.
24.	vi) Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyer gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	Will be followed.
25.	vii) Coal handling plant shall be operated with effective control measure w.r.t. Various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.	Will be followed.
	(C) Water quality monitoring and preservation	
26.	i) The effluent discharge (mine waste water,	Will be followed.

	workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25 th September, 2000 and as amended from time by the Central Pollution Control Board.	
27.	ii) The Monitoring data shall be uploaded on the company's website and displayed at project site at a suitable location. The circular No. J-2001/1/2006-1A.11 (M) dated 25 th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred on this regard for its compliance.	Being followed.
28.	iii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by established a network of existing wells and constructing new pedometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. Pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	Will be followed.
29.	iv) Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment ,Forest and Climate Change/Regional Office.	Being followed.
30.	v) Ground water, excluding mine water, shall not be used for mining operations Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	Will be followed.
31.	vi) Catch and/ or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent runoff water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ponds so	Will be followed.

	constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Dump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the dump shall be utilized for suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at toe of the OB dumps within the mine to check run-off the and siltation should be based on the rainfall data .The plantation of native species to be made between toe of the dump and adjacent field/habitation/ water bodies.	
32.	vii) Adequate groundwater recharge measure shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	Will be done.
33.	viii) Industrial waste water generated from CHP, work shop and other waste water , shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection)Act , 1986 and the Rules made there , and as amended from time to time . Adequate ETP/STP needs to be provided.	Will be followed.
34.	ix) The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Will be done.
35.	x) The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operation, considering the presence of river/rivulet/pond/ lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water course shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Go I Authority. The construction of embankment to prevent any danger against inrush of surface water into the	Will be followed.

	mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.	
36.	xi) The project proponent shall take all precautionary measure to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.	Will be done.
	(D) Noise and Vibration Monitoring & Prevention.	
37.	i) Adequate measure shall be taken for control of noise levels as per Noise pollution Rules, 2016 in the work environment. Worker engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with the personal protective equipment (PPE) like earplugs/ muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	Will be followed.
38.	ii) Controlled blasting techniques shall be practiced in order to mitigate ground vibration, fly rocks, noise and air blast etc. as per the guidelines prescribed by DGMS.	Will be followed.
39.	iii) The noise level survey shall be carried out as per the prescribed guideline to assess noise exposure of the work man at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/ RO on six-monthly basis.	Will be followed.
	(E) Mining Plan.	
40.	i) Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate to the Ministry/RO on six month basis.	Will be followed.
41.	ii) Mining shall be carried out under the approved mining plan (including Mine closure plan) abiding by mining laws related to coal mining and relevant circulars issued by Directorate General Mines Safety (DGMS).	Will be followed.
42.	iii) No mining shall be carried out in forest land	No forest land is under mining lease of Cluster XVII.

	without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.	
43.	iv) Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use renewable energy.	Will be done.
	(F) Land Reclamation.	
44.	i) Digital Survey of entire lease hold area /core zone using satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment , Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	Will be done.
45.	ii) The final mine void depth should preferably be as per the approved Mine closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for substance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil .Post-mining land be rendered useable for agricultural/forestry purposes and shall be delivered .Further action will be treated as specified in the guidelines for preparation of Mine Closure Plan issued by the Ministry of Coal dated 27 th August, 2009 and subsequence amendments,	Will be complied.
46.	iii) The entire excavated area, backfilling, external OB dumping (including top soil) and forestation plan shall be in conformity with the “during mining”/ “post mining” land use pattern, which is an integral part of approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-à-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.	Will be complied.
47.	iv) Fly ash shall be used for external dump of overburden , backfilling or stowing of mine as per provisions contained in closure (i) and (ii) of subparagraph (8) of ash notification issued vide SO 2804 (E) dated 3 rd November , 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional office of MOEF&CC, CPCB	Will be complied.

	AND SPCB.	
48.	v) Further, it may be ensure that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The top soil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized .The top soil shall be use for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface runoff. The other overburden dump shall be vegetated with native grass species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.	Will be complied.
49.	vi) The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the state government to provide alternate areas for livestock grazing, if any. In this context, the project proponents shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Will be complied.
	(G) Green Belt.	
50.	i) The project proponents shall take all precautionary measures during mining operation for conservation and protection of endangered/ endemic flora/fauna, if any, spotted in the study area. The action plan in this regard, if any, shall be prepared and implemented in consolation with the state Forest and wildlife Determent.	Will be complied.
51.	ii) Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major/ coal transportation roads.	Will be complied.
	(H) Public Hearing and Human Health Issues.	
52.	i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and	Will be followed.

	monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six- monthly basis.	
53.	ii) The project proponents shall undertake occupational health survey for initial and periodical medical examination of the of the personal engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operation shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	Will be complied.
54.	iii) Personal (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Will be complied.
55.	iv) Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the task/measures as per the action plan submitted with budgetary provisions during the public hearing. Land ousters shall be compensated as per the norms laid down in the R&R policy of company/ State Govt./Central Government, as applicable.	Will be complied.
56.	v) The project proponent shall follow the mitigation measure provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29 th October, 2014, 'Impact mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by mine lease area'.	Will be complied.
	(I) Corporate Environment Responsibility	
57.	i) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.NO. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Will be complied.
58.	ii) The company shall have a well laid down environmental policy duly approved by the Board of directors. The Environment policy should prescribe for standard operating	Complied.

	procedures' to have proper check and balances and to bring into focus any infringements /deviation violation of the Environmental /forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements of the environmental/ forest/wildlife norms/conditions and/or shareholders/stake holders.	
59.	iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personal shall be set up under the control of senior Executive, who will directly to the head of organization.	Complied.
60.	iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measure shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported the Ministry/Regional Office along with the Six Monthly Compliance Report.	Will be complied.
61.	v) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Will be complied.
	(J) Miscellaneous	
62.	i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguard at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language with seven days and in addition this shall also be displayed in the project proponents' website presently.	Complied.
63.	ii) The copies of environmental clearance shall be submitted by the project proponents to the head of the local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Govt. who in turns to display to the same for 30days from the date of receipt .	Complied.
64.	iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of	Will be complied.

	monitored data on their website and update the same on half-yearly basis.	
65.	iv) The project proponents shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels) or critical sectoral parameters, indicate for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Will be complied.
66.	v) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	Will be complied.
67.	vi) The project proponent shall follow the mitigation measures provided in this ministry's OM No.Z-11013/5712014-IA.II (M) dated 29 th Oct.2014, titled 'Impact mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	Will be complied.
68.	vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently and put on the website of the company.	Will be complied.
69.	viii) The project authority shall inform to the regional Office of the MOEFCC regarding commencement of mining operations.	Will be complied.
70.	ix) The project authority must strictly adheres to the stipulations made by State Pollution Control Board and the State Government.	Will be complied.
71.	x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Will be complied.
72.	xi) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change.	Will be complied.
73.	xii) Concealing factual data or submission of false/fabricated data may result in revocation	Will be complied.

(protection) Act, 1986.

74.	xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in time bound manner shall implement these conditions.	Will be complied.
75.	xiv) The Regional Office of this Ministry 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.	Will be complied.
76.	xv) The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (protection) Act, 1986, Hazardous and Other Wastes (Management and Trans- boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Will be complied.


16.3.21

Project Officer
Kalyaneshwari OCP


16/03/21

Manager
Kalyaneshwari OCP


16/03/21

Nodal Officer (Env)
Kalyaneshwari OCP


16.3.21

Staff Officer (Min.)
CV Area


16/03/21

Nodal Officer (Env)
CV Area


16/3/21

General Manager
CV Area