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Proposal No :	IA/JH/CMIN/8142/2010	Proposal Name :	Ganeshpur Opencast Coalmine Project (5.5 MTPA in 398 ha project)
Category :	Coal Mining	MoEF File No. :	J-11015/251/2010-IA.II(M)

Compliance Letter/Report

Year of Compliance: -All Years-
Date of Compliance * : Select

Remarks :

Upload Compliance Letter/Report * : No file chosen (.pdf only)

Jugal Bhagat

From: Praveen Anant
Sent: Saturday, May 30, 2020 2:45 PM
To: 'ro.ranchi-mef@gov.in'
Subject: EC Compliance Oct19-Mrarch20 for Ganeshpur Opencast Coal Mine, Dist. Latehar, Jharkhand
Attachments: EC Compliance Oct19-Mrarch20 for Ganeshpur Opencast Coal Mine.pdf

Dear Sir,

We are submitting herewith compliance report for Oct 19 to March 2020 for Ganeshpur Opencast Coal Mine for environment clearance no J 11015/251/2010-IA-II. (M) dated 24th January 2014 and amendment J 11015/251/2010-IA-II. (M) dated 10th June 2015 as per EC conditions and same is being uploaded on PARIVESH portal also.

Hope you will find this in order and suffice for the compliance requirement please. Thanking you.

Sincerely,

For, Raipur Energen Limited
A Subsidiary of Adani Power Limited

Ref: REL/Ganeshpur/MoEF&CC/EC/2020/May-1

Date: 30.05.2020

To,
The Regional Officer,
Ministry of Environment and Forest & Climate Change
Bunglow No. A-2, Shyamali Colony,
Ranchi-834002

Subject: Submission of six monthly compliance status of environment clearance no J-11015/251/2010-IA-II. (M) dated 24th January 2014 and it is amended, dated on 10th June 2015 for Ganeshpur opencast coalmine Project located in Dist. Latehar, Jharkhand for the period of October'2019 to March'2020.

Ref:

1. Environment clearance no J 11015/251/2010-IA-II. (M) dated 24th January 2014 for Ganeshpur opencast coalmine.
2. Environment clearance no J 11015/251/2010-IA-II. (M) dated 10th June 2015 was transferred from M/s Tata Steel Ltd to M/s GMR Chhattisgarh Energy Limited.

Dear Sir,

With reference to the above, please find enclosed (Annexure-1) six monthly compliance status of environment clearance for the period of October'2019-March'2020.

We hope you will find this satisfactory and in line with requirement.

Thanking You,

For, Raipur Energen Limited (A subsidiary of Adani Power Limited)

Authorized Signatory



(Authorized Signatory)

CC:

1. Member Secretary, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, New Delhi- 110032
2. Member Secretary, Jharkhand Pollution Control Board, H.E.C., Dhurwa, Ranchi Jharkhand - 834004

Enclosures: As above

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Annexure -1

Ganeshpur -1 Opencast Coal Mine Project

Status of Half yearly Compliance w.r.t Environmental Clearance

No. J-11015/251/2010-IA.II (M) dated 10th June 2015

(For the period October 2019– March 2020)

A. Specific conditions:

Sl. No.	Conditions	Compliance status
i	Production of coal shall not exceed limit as prescribed in the EC.	<p>There is no production of coal during October'2019 to March'2020.</p> <p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
ii	Details of total number of people provided employment in the project be provided to the ministry in record.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Direct employment for 705 persons will be generated after mine operation as per approved Mine Plan,</p> <p>Compliance assured.</p>
iii	Commitment made during public hearing along with the budgetary provisions should be adhered to.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
iv	Apart from CSR incentives, other measures such as carrying out regular repairs of the hand pumps and wells, upgrading the infrastructure of Primary Health Centre at Seregara, Beautification of Seregara community Hall (Planned), repair of Road of Jala village (Planned), Providing solar lamps at key locations in the village (Planned) be undertaken so as to improve the infrastructure of the area.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
v	Budget for operational phase should be provided for CSR activity at the rate of Rs.6/T of Coal production.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
vi	Budget should be provided in the CSR action plan so that it is committed on behalf of company.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
vii	Transportation of coal from pit head to Tori Shivpuri railway sliding which is located at the distance of 1.5-2 Km will be by belt conveyor and silo loading into wagon further by rail. There will be no transportation of Coal by road.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
viii	R&R of 220 PAF's of village Jala (126 nos), seregara (2 no's) Nagra (81 no's), pundarlawa (11 no's) involved	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p>

Sl. No.	Conditions	Compliance status
	and need to be addressed. The R&R cost shall be 53.54 crores.	<p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
ix	The temporary OB dump would be 125 ha area with 75 m height which will be totally rehandled at the end of mine and no OB dump and internal filling will be brought to the ground level. Final water body/void should be of 32 ha and 30 m depth.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
x	Grass turfing should be provided up to 25 years.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xi	The excavated area should be brought back to productive use e.g. agriculture and others.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xii	Continuous ground water should be carried out in and around 5 km mine area.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
xiii	The Height of the external OB dump should be less than 30m.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xiv	Indigenous Social scientist should be appointed under the project.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xv	Local People should be involved in skill development. Employment should be created for local people e.g. Irrigation purpose, construction of well, Talab, Poultry, Dairy etc. so the indigenous people should not be marginalized.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xvi	The Industry should involve local people and their families as part of developmental process.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
xvii	Handicapped persons should be provided more than Rs 1500/ Month as pension for life as against the proposal of the proponent. Provision of motor tricycle could be considered to all the handicapped persons in area.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xviii	Long term annuities should be provided to the entire life of PAFs.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xix	Cow shed should be provided. Bio mass can be used for cattle and as fertiliser.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xx	Controlled blasting should be practiced to reduce dust generation.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxi	R&D should be carried out for better infrastructure for dust suppression in coal extraction area.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be</p>

Sl. No.	Conditions	Compliance status
		<p>submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxii	<p>Spices of Karanj, Su-babul should not be planted. The native species should be planted. All 11 plant species suggested e.g. Buchnania Lanzan, Butea monosperma, desimodium gaggeticum, diospyros melanoxylon, Holarrhaena pubescence, Semicarpus anacardium, Shorea robusta, Terminalia alata, Terminalia arjuna, woodforia fruiticosa, Acacia catechu.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after the mining lease is received.</p> <p>Compliance assured.</p>
xxiii	<p>A commitment letter on these issue be submitted to the MoEF for record.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after the mining lease is received.</p> <p>Compliance assured.</p>
xxiv	<p>Coal transport from mine to Railway siding will be by closed conveyor and at Railway siding wagon loading by silo.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxv	<p>Stage -1 Forest clearance be obtained before the mining activity.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p>

Sl. No.	Conditions	Compliance status
		<p>Stage -1 Forest clearance obtained. Attached as an Annexure 1.</p> <p>Compliance assured.</p>
xxvi	<p>The embankment constructed along the river boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the side river and stabilised with plantation so as to withstand the peak water flow and prevent mine inundation.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxvii	<p>There shall be no overflow of OB into the river and into the agricultural fields and massive plantation of native species shall be taken up in the area between the river and the project.</p>	<p>There is no mining activity since June, 2015. It will be planted during the project development stage.</p> <p>Compliance assured.</p>
xxviii	<p>OB shall be stacked at two earmarked external OB dumpsite(s) only. The Ultimate slope of the dump should not exceed 28°. Monitoring and management of existing reclaimed dumpsites shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the ministry of environment and Forest and its concerned Regional office on yearly basis.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxix	<p>Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected shall be utilised for watering in the mine area, road, green belt development etc. the drains shall be regularly desilted and maintained properly. Garland drains (size, gradient and length) and sump capacity shall be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
	discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material.	
xxx	Dimension of the retaining wall at the toe of the dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxii	Crushers at the CHP of adequate capacity for the expansion project shall be operated with high efficiency bag filters , water sprinkling system shall be provided to check fugitive emissions from crushing operation, conveyor system, haulage roads, transfer points etc.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxiii	Drills shall be wet operated.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxiiii	The project authorities shall undertake repairing and tarring of roads used for mineral transportation. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach road.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
xxxiv	Controlled blasting shall be practiced with use of delay detonators and only during daytime. The mitigative measures for control of ground vibration and to arrest the fly rocks and boulders shall be implemented.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxv	The external O.B dump shall be maintained to 30 m height in post mining phase. While doing so, 43Mm ³ of external O.B will be re-handled and will be filled back in quarry area to ensure that height of the resultant external O.B dump is kept up to 30m only.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxvi	In post – mining stage, as per revised plan, of the total 398 ha area, the 154 ha area will be under plantation, 185 ha under agriculture, 32 ha water body, 27 ha for public and other use. The void depth would be reduced and it would be less than 40 metre.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxvii	The OB generated (Estimated) would be 127.83 Mm ³ . OB dump in 125 ha area with 65 metre height. The backfilling would be started from 3 rd year onwards. Width of working bench is 30 to 40 m. maximum depth of quarry shall be 220m. The final height of external O.B is to be reduced up to 30 m, in post mining phase by rehandling extra OB and filling the same in excavated area. Due to this re-handling of 43, cum of Ob. The agriculture land is excavated area will increase from 23 ha to 46 ha	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
	and plantation area increases from 104 ha to 133 ha.	
xxxviii	Internal, OB dump would be at ground level. External dump would be up to 25 years after that 90% O.B would be rehandled.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xxxix	A progressive afforestation plan shall be implemented by planting native species in consultation with the local DFO/ Agriculture Department. The density of the trees shall be around 2500 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mine.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>It will be planted during development stage of the project.</p> <p>Compliance assured.</p>
xl	The maximum height of external OB dump, if any, for hard OB will not exceed 90 m and that for soft OB shall not exceed 60m. The maximum slope of the dump shall not exceed 28 degrees. Monitoring and management of reclaimed dump sites shall continue till vegetation becomes self- sustaining and compliance status shall be submitted to MoEF and its Regional office on yearly basis.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xli	Of the total quarry area of 204 ha, the External dump area of 125 ha shall be reclaimed with plantation shall be gently sloped and the upper benches shall be terraced and stabilised with plantation/ afforestation by planting native plant species in consultation with the local DFO/Agriculture	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p>

Sl. No.	Conditions	Compliance status
	Department. The density of the trees shall be around 2500 plants per ha.	Compliance assured.
xlii	No groundwater shall be used for mining operations.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xlii	Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quality shall be done four times a year in pre-monsoon (May), monsoon (August), post- monsoon (November) and winter (January) seasons and for quality in May. Data thus collected shall be submitted to the MoEF and to the CPCB quarterly within one month of monitoring.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xliv	The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource in case monitoring indicates a decline in water table. The project authorities shall meet water requirement of nearby village(s) in case of the village wells go dry due to dewatering in mine.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xlv	Sewage treatment plant shall be installed in the existing colony. ETP shall be provided for workshop and CHP wastewater.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

Sl. No.	Conditions	Compliance status
xlvi	Beside carrying out regular periodic health check-up of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialised agency/ institution within the District/State and the results reported to this Ministry and to DGMS.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xlvii	Land oustees shall be compensated as per the norms laid out R&R Policy of CIL or the National R&R Policy or R&R Policy of the State Government whichever is higher.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xlviii	For monitoring land use pattern and for post mining land use, a time series of land use maps, based on satellite imagery (on a scale of 1: 5000) of the core zone and buffer zone, from the start of the project until end of mine life shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to MoEF and its concerned Regional office,	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
xlix	<p>A detailed Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the MoEF within 6 months of grant of EC.</p> <p>1. The project authorities shall in consultation with the panchayats of the local villagers and administration identify socio-economic and welfare measures under CSR to be carried out over the balance life of the mine.</p>	<p>Completed.</p> <p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p>

Sl. No.	Conditions	Compliance status
	<p>2. The commitment made by the Proponent to the issue raised during Public Hearing shall be implemented by the Proponent.</p> <p>3. Corporate Environment Responsibility :</p> <p>a) The company shall have a well laid down Environment Policy approved by the Board of Directors.</p> <p>b) The Environment Policy shall prescribe for standard operating process/ procedures to bring into focus any infringement/ deviation/ violation of the environmental issues and for ensuring compliance with the environmental clearance condition shall be furnished.</p> <p>c) To have proper checks and balance, the company shall have a well laid down system of reporting of non-compliance/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.</p>	<p>The company has the policy to monitor deviations/violations of the environmental issues for ensuring compliance with the environmental clearance.</p> <p>Compliance assured.</p>

General Conditions:

B.	General Conditions	
i	<p>No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forest.</p>	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>

ii	No change in the calendar plan including excavation, quantum of mineral coal and waste shall be made.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
iii	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring PM ₁₀ , PM _{2.5} , SO ₂ , NO _x monitoring. Location of the stations shall be decided based on meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the state pollution control board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
iv	Data on ambient air quality (PM ₁₀ , PM _{2.5} , SO ₂ , NO _x and heavy metals such as Hg, Pb, Cr, As, Cd, Ni and other monitoring data shall be regularly submitted to the Ministry including its Regional Office and to the State Pollution Control Board and Central pollution Control Board once in six months. Random verification of samples through analysis from independent laboratories recognized under the EPA rules, 1986 shall be furnished as part of compliance report.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p> <p>Compliance assured.</p>
v	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with ear plugs/muffs.	<p>There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.</p> <p>The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received.</p>

		Compliance assured.
vi	Industrial waste water (workshop and waste water from the mine) shall be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed before discharge of workshop effluents.	There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process. The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received. Compliance assured.
vii	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.	There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process. The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received. Compliance assured.
Viii	Monitoring of environmental quality parameters shall be carried out through establishment of adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board and data got analysed through a laboratory recognised under EPA rules, 1986.	There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process. The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received. Compliance assured.
ix	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	Dust masks will be issued to all employees working in dusty environment The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received. Compliance assured.
x	Occupational Health surveillance program of the workers shall be undertaken periodically observe any contradictions due to exposure to dust and to take corrective measures, if needed and records maintained	There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process. The condition is noted and included in planning. Detailed status shall be

	thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company with outsourcing.	submitted once the mining activity is started after mining lease is received. Compliance assured.
xi	A separate environmental management cell with suitable qualified personnel shall be set under the control of senior executive, who will report directly to the Head of the company.	<p>There is team of qualified Environment Management officials assigned with compliance for Ganeshpur-1 Opencast Mine Environmental Management and Compliances.</p> <p>This team includes the combination of officials dedicated for Ganeshpur-1 Opencast mine and Corporate Office of holding company. Team members name and technical qualification is as following:</p> <ol style="list-style-type: none"> 1) Mr Praveen Anant- Associate General Manager – Environment and Sustainability, Corporate Office. Qualification: MSc-Environmental Science form University of Pune. M.Phil (Natural Resources Management) form Indian Institute of Forest Management LL.B covering Environmental Laws from CCS University, Meerut Advance Diploma in Industrial Safety from Maharashtra State Board of Technical Education, Mumbai. 2) Mr Amit Kumar Soni- Deputy Manager (Environment) for Raipur Energen Limited and Captive Mines. Qualification: MSc- Environmental Biology from APS University, Rewa. M.Phil- Environmental Biology from APS University, Rewa.
xii	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted to other purpose.	There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process.

	Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bhubaneswar.	The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received. Compliance assured.
xiii	The project authorities shall advertise at least in two local newspapers widely circulated around the projects, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of clearance letter is available with State Pollution Control Board and may also be seen at the website of the Ministry of Environment & Forrest at http://envfor.nic.in .	Compliance completed for publication in newsletter by prior allottee. Environment clearance copy has also been kept on the company website. www.adanipower.com/Downloads Compliance assured.
xiv	A copy of the environmental clearance shall be marked to concerned Panchayat / local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	Completed.
xv	A copy of the environmental clearance letter shall also be displayed on the website of concerned State Pollution Control Board. The EC letter shall displayed at the Regional Office, District Industry Centre and Collectors Office/ Tehsildar Office for 30 days.	Completed.
xvi	The clearance letter shall uploaded on the company website. The compliance status of the stipulated environmental clearance conditions shall also be uploaded by the project authorities on their website and updated at least once in six months so as to bring the same in public domain. Monitoring data of environmental quality parameter (air,	Recent Compliance has been uploaded in the company website. www.adanipower.com/Downloads Compliance assured.

	water, noise and soil) and critical pollutant such as PM ₁₀ , PM _{2.5} , SO ₂ NO _x (ambient) and critical sectoral parameters shall also be displayed at the entrance of project premises and mine office and on company website.	
xvii	The project proponent shall submit six monthly compliance reports on status of compliance of the stipulated environmental clearance reports on status of compliance of the stipulated environmental clearance conditions (both in hard copy and in email) to the respective Regional office of the Ministry, respective Zonal Offices of the CPCB and SPCB.	Submitted. Copy of recent compliance has been uploaded on company website. https://www.adanipower.com/Downloads Compliance assured.
xviii	The Regional Office of this Ministry located in the region shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.	Noted Compliance assured.
xix	The environmental statement for each financial year ending 31 March in Form V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently shall be uploaded on the company's website along with the status of compliance of the EC condition and shall be send to the respective Regional Offices of the MoEF by e-mail.	There is no mining activity from June 2015, since stage- 2 forest clearance and mining lease is in approval process. The condition is noted and included in planning. Detailed status shall be submitted once the mining activity is started after mining lease is received. Currently, there is no mining activity. In operation stage, Environmental statement will be submitted regularly to Jharkhand State Pollution Board and Regional office of MoEF Bhubaneswar. Compliance assured.
5	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so along during their presentation to the EAC.	Noted Compliance assured.

6	The proponent is required to obtain all necessary clearances/approvals that may be required before start of the project. The ministry or any other component authority may stipulate any further condition for environment protection.	Noted Compliance assured.
7	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Noted Compliance assured.
8	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.	Noted Compliance assured.
9	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. The proponent shall ensure to undertake and provide for costs incurred for taking up remedial measures in case of soil contamination, contamination of groundwater and surface water and occupation and other diseases due to the mining operations.	Noted