

**PART- A MINUTES OF THE 26<sup>th</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 16<sup>th</sup> to 18<sup>th</sup> FEBRUARY 2015**

The 25<sup>th</sup> meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 16<sup>th</sup> to 18<sup>th</sup> February 2015 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

1. Sh. A.K. Saxena - Chairman
2. Sh. S.B.S Chauhan - Member
3. Er. S.K. Singh - Member
4. Dr. R.P. Singh Sangu - Member
5. Prof. (Dr.) M.C. Mahata - Member
6. Shri R.N. Kashyap - Secretary

Prof (Dr) Shatrunjay Kumar Singh, Member could not attend the meeting due to personal reasons.

Various projects which were received by SEIAA after the previous SEAC meeting held from 12<sup>th</sup> to 15<sup>th</sup> January 2015 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional informations / clarifications were also considered for examination / scrutiny where the Project proponents had submitted replies. Accordingly, the Project proponents were asked to make technical presentation for the appraisal of their project before the committee.

The following salient observations made during the Presentation (Project Wise) in brief deserve serious consideration.

**1. In the 27<sup>th</sup> meeting of SEIAA a mention was made about NABET accredited consultant. (Point no.- 12)**

SEAC is following the guidelines agreed with SEIAA earlier.

**During the 1<sup>st</sup> Joint meeting held on 11<sup>th</sup> April, 2013**

It was agreed that for proposals involving more than 5 hectare land area, EIA reports prepared by consultants accredited by Government of India, Ministry of Environment & Forests, New Delhi, only will be acceptable.

**During the 3<sup>rd</sup> joint meeting held on 22<sup>nd</sup> February 2014**

For B1 category projects only accredited consultants are allowed and presentation is made by Functional Area Expert (FAE) for that specific area.

For B2 projects it was decided.

Regarding Category B2 Projects it was decided that for projects categorized under B2 category the case is to be presented before SEAC by project proponents along with RQP (Mining Projects) / Technical Expert (other than Mining Projects) and Consultant,

In this regard MoEF's OM no.- J-11013/77/2004-IA.II (I), dated 1<sup>st</sup> November, 2010 is attached for perusal.

In case there has to be a change in procedure the same may please be informed for implementation by SEAC.

**2. Stone Boulder Mining for M/s Gupta Minerals at Vill.- Haridih, Thana-Ghatsila, Dist.- East Singhbhum, Jharkhand (0.64 Ha).**

The case was recommended for grant of EC vide minutes dated 15<sup>th</sup> to 18<sup>th</sup> September, 2014. SEIAA had asked that visit be undertaken to site to assess the contents of the certificates by CO. Dr. M.C. Mahata, Member, SEAC visited the site on 15<sup>th</sup> February, 2015 (copy attached). He had interaction with the persons names mentioned in the site inspection report and found that the report submitted by CO vide letter no.- 846, dated 14.11.2014 is in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Stone Boulder Mining for M/s Gupta Minerals at Vill.- Haridih, Thana-Ghatsila, Dist.- East Singhbhum, Jharkhand (0.64 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC <sup>along with project details</sup> are given Annexure I.**

**3. Stone Boulder Mining of M/s Shaping Mines & Minerals Pvt. Ltd at Vill- Bhukuli, P.O- Saraikela-Kharsawan, Jharkhand (1.68 Ha)**

The case was recommended for grant of EC vide minutes dated 15<sup>th</sup> to 18<sup>th</sup> September, 2014. SEIAA had asked that visit be undertaken to site to assess the contents of the certificates by CO. Dr. M.C. Mahata, Member, SEAC visited the site on 15<sup>th</sup> February, 2015 (copy attached). He had interaction with the persons names mentioned in the site inspection report and found that the report submitted by CO vide letter no.- 43, dated 26.02.2014 is in order.

**Based on the presentation made and information provided the Committee recommends that the proposal for Stone Boulder Mining of M/s Shaping Mines & Minerals Pvt. Ltd at Vill- Bhukuli, P.O- Saraikela-Kharsawan, Jharkhand (1.68 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC <sup>along with project details</sup> are given Annexure II.**

**4. Rajhara Opencast Project of M/s CCL at Vill- Rajhara & Pandwa, Tehsil- Pandawa & Bisrampur, District- Palamu, Jharkhand (149.38Ha )**

Rajhara OCP is an existing old coal mining project of Central Coal Fields Ltd. The mine was started in pre independence era and was nationalised in 1973.

The mine is located in Palamu district of Jharkhand and forms the north western part of Daltonganj coal fields. The latitude and longitude of the project site is 24° 09' 3" N & 24° 10' 11" N and 84°02'27" E & 84° 03' 8" N respectively. The drainage of mine is controlled by North Koel river flowing in the south of project. The project area is dissected by Sadabah river tributary of North Koel. The other near by tributary of North Koel along project is Labji. There are no forest patches in Core Zone. However buffer zone has several patches of Forest like Aparar Khas, Murma, Kokansa, etc.

The nearest railway station is Rajhara station at a distance of 3 km on Gomoh-Dehri On Sone line. Daltonganj town is situated at a distance of 16 km from project. The project has an adjacent railway siding for coal transport.

The normative capacity of project is 0.3 MTPA & peak capacity is 0.5 MTPA over a project area of 149.38 Ha. Coal production is proposal from two quarries on either side of Sadabah river.

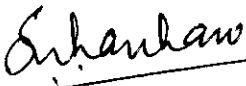
Embankments have been constructed to protect the quarries from inundation and will be further strengthened / constructed particularly on eastern flank of Sadabah.

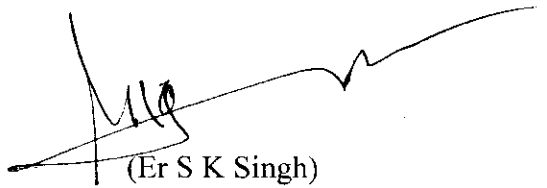
The balance geological reserve is 4.925 MT of G 9 grade and proposed mine life is 18 years. Mining will be undertaken by opencast method using shovel dumper combination.

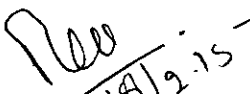
The project involves R&R of two villages – Rajhara (part) & Pandwa (part). The R&R policy of CIL will be used for compensation, employment and resettlement of PAPs. The project cost is Rs 11.88 Crores.

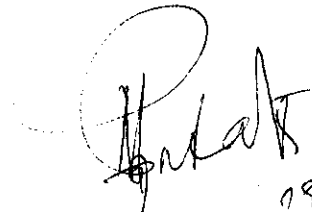
Based on the decision taken in SEAC meeting held on 17<sup>th</sup> to 20<sup>th</sup> November, 2014 Mr. S.B.S Chauhan, Member, SEAC & Dr. RPS Sangu, Member, SEAC visited site on 16.01.2015. Representatives of CCL and their consultants CMPDI made a presentation on the points raised on the site visit. Committee decided issuing of TORs (TORs are attached).


The meeting concluded with thanks to all present.

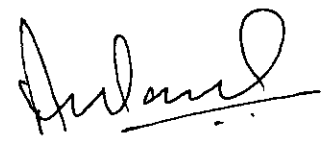
  
(S.B.S Chauhan)  
Member

  
(Er S K Singh)  
Member

  
(Dr. R.P. Singh Sangu)  
Member

  
(Prof. (Dr.) M.C. Mahata)  
Member  
18/2/2015

  
(R.N. Kashyap)  
Secretary

  
(A K Saxena)  
Chairman

**1. Stone Boulder Mining for M/s Gupta Minerals at Vill.- Haridih, Thana-Ghatsila, Dist.- East Singhbhum, Jharkhand (0.64 Ha).**

This is a Stone Mining Project for having an area of 0.64 Ha [Plot No- 205]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 09.03.2007 for a period of 05 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40 Lakhs and a provision of Rs 3.5 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 51,738 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 <sup>st</sup> Year	:	9855 t
2 <sup>nd</sup> Year	:	9785 t
3 <sup>rd</sup> Year	:	9852 t
4 <sup>th</sup> Year	:	10,017 t
5 <sup>th</sup> Year	:	12,053 t

The daily average production based on 300 working days as per Form I is 34.37 tonnes.

PP has submitted certificate from Circle Officer, DMO & DFO. As per information produced by CO (as per SEIAA guidelines) the distance of school from the project / mines is 450 meter. Since the area is too small the committee felt that EC may be considered by SEIAA as only one parameter is slightly not as per guidelines. In this regard CO had issued a revised letter no.- 846, dated – 14.11.2014 wherein he has stated that the school is at a distance of 450 meter. SEIAA in its 25<sup>th</sup> meeting held on 26<sup>th</sup> September, 2014 found that Stone Boulder Mining for M/s Gupta Minerals at Vill.- Haridih, Thana- Ghatsila, Dist.- East Singhbhum, Jharkhand (0.64 Ha) did not comply with the qualifying provisions for the issuance of EC. SEAC, however, had recommended the grant of EC to this project. SEIAA held that SEAC needs to revisit its recommendations regarding this project.

**PP has provided another certificate from CO which states that there is no educational institution within 500 m. Later Dr. M.C. Mahata, Member SEAC visited the site on 15<sup>th</sup>**

February, 2015 (copy of site visit report attached). Based on the observation made by him during the visit and presentation / information provided by PP / Consultant the Committee recommends that the proposal for Stone Boulder Mining for M/s Gupta Minerals at Vill.- Haridih, Thana- Ghatsila, Dist.- East Singhbhum, Jharkhand (0.64 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

**A. Specific Conditions**

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. The environmental clearance is subject to renewal of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
5. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities.
6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
7. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
8. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
9. The top soil, if any 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.
10. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
11. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments

- directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
12. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
  13. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
  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 particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
  15. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
  16. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required for the project.
  17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
  18. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.
  19. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
  20. Drills shall either be operated with the dust extractors or equipped with water injection system.
  21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
  22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
  23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
  24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.

26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

**B. General conditions**

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. 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. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring 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.
11. 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 Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It

shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO<sub>2</sub> ,NO<sub>x</sub> (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.

15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also be sent to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

### **C. Other points**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of renewal of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



**1. Stone Boulder Mining of M/s Shaping Mines & Minerals Pvt. Ltd at Vill-Bhukuli, P.O- Saraikela-Kharsawan, Jharkhand (1.68 Ha)**

This is a Stone Mining Project for having an area of 1.68 Ha [Plot No- 431]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. The lease was granted for a period of 27/07/2012 to 22/01/2017. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40 Lakhs and a provision of Rs 5.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 5,53,824 t

Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 <sup>st</sup> Year	:	1,18,881 t
2 <sup>nd</sup> Year	:	1,10,803 t
3 <sup>rd</sup> Year	:	1,10,565 t
4 <sup>th</sup> Year	:	1,08,861 t
5 <sup>th</sup> Year	:	1,12,541 t

The daily average production as per Form I is 375 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. However SEIAA in its 28<sup>th</sup> meeting held on 30<sup>th</sup> December, 2014 recorded as follows.

“SEAC has recommended the grant of EC to the project proposal. SEIAA had referred the matter back to SEAC as the certificate issued by CO, Rajnagar had shown a water body within 500 m distance of the project. SEAC has now relied its recommendation to grant of EC on a revised certificate issued by CO, Rajnagar that mention no water body within 500 m distance of the project. It is found that there are two different reports submitted by CO, Rajnagar.

SEIAA decides that SEAC makes a site inspection and then make is recommendations.”

**Accordingly Dr. M.C. Mahata, Member SEAC visited the site on 15<sup>th</sup> February, 2015 (copy of site visit report attached). Based on the observation made by him during the visit and presentation / information provided by PP / Consultant the Committee recommends that the proposal for Stone Boulder Mining of M/s Shaping Mines & Minerals Pvt. Ltd at Vill- Bhukuli, P.O- Saraikela-Kharsawan, Jharkhand (1.68 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.**

**A. Specific Conditions**

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon`ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
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6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
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directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.

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19. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.

26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

#### **B. General conditions**

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. 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. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring 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.
11. 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 Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It

shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO<sub>2</sub> ,NO<sub>x</sub> (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.

15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

**C. Other points**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid till the period of grant of lease for the mine upto 22/01/2017. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**1. Rajhara Opencast Project of M/s CCL at Vill- Rajhara & Pandwa, Tehsil- Pandawa & Bisrampur, District- Palamu, Jharkhand (149.38Ha )**

Rajhara OCP is an existing old coal mining project of Central Coal Fields Ltd. The mine was started in pre independence era and was nationalised in 1973.

The mine is located in Palamu district of Jharkhand and forms the north western part of Daltonganj coal fields. The latitude and longitude of the project site is 24° 09' 3" N & 24° 10' 11" N and 84°02'27" E & 84° 03' 8" N respectively. The drainage of mine is controlled by North Koel river flowing in the south of project. The project area is dissected by Sadabah river tributary of North Koel. The other near by tributary of North Koel along project is Labji. There are no forest patches in Core Zone. However buffer zone has several patches of Forest like Aparar Khas, Murma, Kokansa, etc.

The nearest railway station is Rajhara station at a distance of 3 km on Gomoh-Dehri On Sone line. Daltonganj town is situated at a distance of 16 km from project. The project has an adjacent railway siding for coal transport.

The normative capacity of project is 0.3 MTPA & peak capacity is 0.5 MTPA over a project area of 149.38 Ha. Coal production is proposal from two quarries on either side of Sadabah river. Embankments have been constructed to protect the quarries from inundation and will be further strengthened / constructed particularly on eastern flank of Sadabah.

The balance geological reserve is 4.925 MT of G 9 grade and proposed mine life is 18 years. Mining will be undertaken by opencast method using shovel dumper combination.

The project involves R&R of two villages – Rajhara (part) & Pandwa (part). The R&R policy of CIL will be used for compensation, employment and resettlement of PAPs. The project cost is Rs 11.88 Crores.

Based on the decision taken in SEAC meeting held on 17<sup>th</sup> to 20<sup>th</sup> November, 2014 Mr. S.B.S Chauhan, Member, SEAC & Dr. RPS Sangu, Member, SEAC visited site on 16.01.2015. Representatives of CCL and their consultants CMPDI made a presentation on the points raised on the site visit. Committee decided issuing of TORs

**Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 16<sup>th</sup> to 18<sup>th</sup> February 2015 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.**

**The TORs prescribed for undertaking detailed EIA study are as follows:**

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.

3. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report. Compliance Report on conditions stipulated by DMO at the time of granting of lease shall be submitted in the EIA Report.
8. The EIA Report shall be prepared considering the normative capacity of project is 0.3 MTPA & peak capacity is 0.5 MTPA. It should also address the possible impacts due to other projects in the region.
9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated.
11. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted. Plan for development of garland drains should be included in EIA Report.
12. Details of the land for OB dump outside the mine lease such as extent of land area, distance from mine lease, its land use, R&R issues, if any should be given.
13. High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area (core and buffer zone) should be furnished.
14. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any in the project area, or otherwise, based on land use classification (revenue record) as also in terms of the definition of forest as pronounced in the judgment of the Hon'ble Supreme Court of India in the matter of T.N. Godavarman Vs. Union of India. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
15. Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
16. In case Forest Land has been surrendered then relevant document from competent authority stating that the surrendered Forest Land has been accepted by it has to be included in EIA Report. The Report should clearly state the the Mine Plan has been prepared in non Forest area.

17. Implementation of status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
18. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigative measures required should be worked out with cost implications and submitted.
19. The vegetation in the RF / PF area with necessary details should be given. Details of Flora and Fauna in the study area is to be included in EIA Report.
20. A study shall be got done to ascertain the impact of the mining project on wildlife of the area including elephant population if any, and details furnished. Distance of nearest elephant corridor is to be indicated in EIA Report.
21. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the State Wildlife Department/Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished. In case, there is no such Eco-sensitive area within 10 km, the boundary of the nearest Eco-sensitive area with its distance shall be marked in a drawing and included in EIA / EMP Report.
22. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on primary field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
23. Impact, if any, of change of land use should be given.
24. R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the Jharkhand State and National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections, need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Government.
25. The villages located on the periphery of mine-lease area should be protected and if necessary be relocated as per State / Central Government Policy.
26. Collection of one season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected baseline AAQ data should form part of EIA and EMP report. The mineralogical composition of RSPM/SPM particularly for free silica should be given. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10 particularly for free silica should be given. Since there are contagious mines monitoring should be made to cover them as well.
27. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.



28. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
29. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
30. Details of water conservation measures proposed to be adopted in the project should be given. Sanitary waste water will be treated and used. Scheme should be included in EIA Report.
31. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
32. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
33. Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.
34. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground Water Board / Authority.
35. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and below ground level. A schematic diagram may also be provided for the same.
36. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
37. A detailed site plan of mining lease area showing the various proposed break-up of the land for mining operations such as quarry, O.B dumps, green belt, safety zone, infrastructure, stockyard, colony etc (within and adjacent to the mining lease) along with natural drainage and embankments / bonds would be incorporated.
38. The reclamation plan, mine closure plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted. Plantation should be taken up urgently.
39. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Approach road and internal roads are to be made pucca and scheme for water sprinkling to avoid dust generation is to be included in EIA Report.
40. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
41. Details of previous and post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.

42. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The species selected should be able to thrive on low nutrient soil. They should be able to adapt to local conditions and should be resistant to drought and extreme temperatures. PP should take up this activity immediately and the details of plantation done should be given in EIA Report.
43. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre placement medical examination and periodical medical examination schedules should be incorporated in the EMP. This should also include plan for periodical health checks and safety of staff and workers.
44. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
45. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation. Drinking water and health facilities are to be considered as a part of CSR activities. PP should take up same immediately.
46. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
47. Public hearing.

The following general points should be noted:

- a. Properly indexed, page numbered.
  - b. Period/date of data collection should be clearly indicated. (non-monsoon)
  - c. Authenticated English translation of all material in Regional languages should be provided.
  - d. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
  - e. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
  - f. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
  - g. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
  - h. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc.
48. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

49. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
50. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

Besides the above, the below mentioned general points should also be followed:-

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of mining projects as prescribed by the Ministry shall also be filled and submitted.
- f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH process again with the revised documentation.

The EIA report should also include

1. surface plan of the area indicating Contours of main topographic features, drainage and mining area,
2. geological maps and sections and
3. sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report as per OM F No. J11013/41/2006-IA-II(I) part dated 22<sup>nd</sup> August 2014.

Report of the Field visit to Rajhara (Pandwa Block)  
Coal mines of CCL in Dist Palamu, Proposal  
for TOR M.L. Area - 149.38 Ha.

As per decision taken in the meeting of SEAC held in Nov, 2013, a field visit was made on 16-1-2015 by the following two members of SEAC.

1. S. B. S. Chauhan - Member
2. Dr. R. P. S. Saengra - Member

Also Present were Mr. Marathe, G. M., CCL, Mr. Saumitra Singh, DGM, CCL and Project officer along with other officials.

Observations:

Rajhara, Open cast mine (OCP) is an existing coal mine in Majarh-Amrapali region of Central Coal Fields. It is an old mine of pre independence ~~area~~ <sup>time</sup> started by Bengal coal company. The total coal bearing area consists of 1320 Ha, which was transferred to Coal India Ltd after the coal nationalisation in 1973. The whole area has been extensively worked out by open cast and underground mining in the past and

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This resulted in unsystematic workings as seen by a number of old workings and huge dumps of waste spread all over. Of the total coal bearing area, the CCL has the mining lease deed over 736 Ha till <sup>the year</sup> 2033, but this area was further divided into 3 to 4 blocks namely one block awarded to Vinni & Mukund Iron & Steel Ltd. and another block of Kathotia & Lohara to M/s Usha Martin Ltd. by the Govt. of India. These private parties are presently mining the coal @ 0.75 m.t. and 0.8 m.t. per annum utilising the existing Rail Head for transport of coal whereas Rajhara coal mine workings are not in operations presently.

The Rajhara mine (OCP) of CCL presently has 149.38 Ha area of mining lease proposed for an ultimate production of around 0.50 m.t. per annum. This area is bisected by a seasonal river 'Sadabah', which is near to its confluence to Koel River and this cannot be diverted in any case. There is another Labjee Nala cutting across the M.L. area. There are two main quarries namely I & I A extensively worked out in the past and

lying abandoned. The proposal is to extend quarry 1A, whereas Quarry 1 is to be backfilled. The embankments at both sides of ~~the~~ Sadabah need to be extended with at least 4 m. height from the benchmark of HFL and green belt developed on the slopes to check the erosion, if any, as well as seepage. In fact, the waste dumps in the area amount to approx. 40 million tonnes which are proposed to be backfilled. The proposed quarry 1A is also to be extended with simultaneous backfilling and in view of this, there would be no problem of waste disposal. It was noted that a pressure Filter mechanical water treatment Plant has been erected by CCL for drinking water purpose, which needs to be properly monitored to ensure water quality as per norms.

There are number of villages in the buffer zone but 3 villages are within one km. of the core zone and in view of this, rehabilitation and re-settlement of around 200 families would be required. The details of Forest patches in the buffer zone would also be needed, before issuing the TOR.

The Rajhara mining operations were done by CCL before 1994 at 0.10 to 0.20 m.t. per annum ~~but~~ during 2001 to 2010, an insignificant amount of production was also reported and No E.C., nor CTO was obtained. Lately, the company has applied for CTO to JSRB based on the expansion of the coal mine to achieve higher production level, which is justified to extract the coal of high quality, left out earlier.

It was observed that some plantation was made on old waste dumps but there is utmost need to make green belt over 50 Ha area in the reclaimed land ensuring the proper density of plants. As the entire area is ecologically sensitive while considering other coal mines in buffer zone (Now cancelled by Supreme Court), the EIA would be necessary on regional basis.

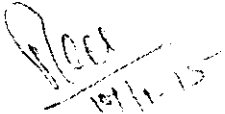
### Suggestions :

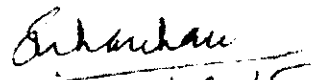
- Keeping in mind the above observations, the following may be included in TOR :-
- (1) Details of pre-mining & Post-mining ~~to~~ land use plan be submitted in the EIA/EMP report.
  - (2) The EIA/EMP report may be prepared for 0.50 million tonnes per annum rated capacity which

Should cover the impacts and management plan for the project specific activities on the environment of the region as a whole in respect of quality of air, water, land, biotic community etc through collection of data on impacts including prediction modelling for 0.50 m.t. coal production. The Base line data collection can be for March to May season.

- (3) A detailed site plan of M.L. area showing the various proposed break-up of the land for mining operations such as quarry, O/B dumps, green belt, safety zone, infrastructure, stockyard, colony etc. (within and adjacent to the M.L.) along with natural drainage and embankments/bunds would be incorporated.
- (4) EIA/EMP should include cumulative impact assessment of the region as far as possible.

Recommendation: TOR is recommended and may be issued at the earliest.

  
Do R.P.S. Panigrahi  
Member SEAC

  
17/1/2015  
(S.B.S. Chauhan)  
Member-SEAC



Dt-15-02-2015  
(Sunday).

Field Inspection Report of Stone Boulder  
Mining of M/s Gupta Minerals at Vill-  
Haridih, Thana - Chatshila, East Singhbhum,  
Jharkhand (0.64 ha).

Inspection conducted in presence of the  
following person(s) :- on 15-02-2015

- ① Deepak Kumar - Deepak Kumar
- ② Rajesh Kumar Gupta - R. K. Gupta
- ③ Ashutosh Jyotishi - A. T. Jyotishi
- ④ Hazari - Sardar - 81612121812
- ⑤ Dilip Jyotishi - Dilip Jyotishi
- ⑥ Nitin Jaiswal - NJ
- ⑦ Jitendra Saw - J. Saha
- ⑧ Bishupati Sardar - B. Sardar

Findings:

This site was visited on 15/2/2015  
after 10.45 AM. in the presence of above named  
persons and is noticed the followings:

- (1). one seasonal water pond is near by -

(P.T.O.)

(2)  
the mine area. NO perennial water bodies  
nor borewell is in the vicinity of the  
area.

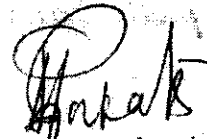
(2) NO initiative has been taken up for Green  
belt development in the periphery of the  
mining area.

(3) Need of water requirement in the  
mine is full filled with the help of  
tankes (water tanker) whenever needed.

(4) Approximately  $\frac{1}{3}$ rd mine area has rocky  
belt, hence chances of inhabiting hill  
lizards & common land snakes are  
expected.

(5) NO shade has been built in the  
mining area for resting of labours &  
other staff of the mine.

(6) C.O. report of dtd. 14-11-14 vide letter no. 846 is found  
satisfactory. Under the above circumstances  
it is upto SEAC to consider the renewal  
of the mine for EC.



16/2/2015

(Prof. Dr. M.C. Nishita)

Member SEAC,  
Jharkhand.

Director

Dt. - 15-02-2015  
(Sunday)

Field Inspection Report of M/s Shaping Mines  
& Minerals Pvt. Ltd. at - Bhulkuhi, P.O. - Sarnikela-  
Kharwar, Dist - Sarnikela, Jharkhand (1.68  
ha).

Inspection conducted in the presence of  
following person(s): on 15/2/2015 -

Van - (Vasu Madhani)

(VASU MADHANI)

Super - (Sofai Jada)

Police - Rashid Ahmed

2 - Zakir Rahman

1 - Niransan Singh

Findings:

The site was visited on 15/2/2015, in the presence of above named persons and it is noticed the following:-  
(1) The mining area is situated in the jungle-thari area (of the natural -

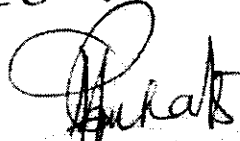
(P.T.O)

(2)  
Forests) having hillocks with herbs,  
shubs & some trees (Anda hill). // Land

(2) No seasonal / perennial water  
bodies noticed near by the  
mine area. Water was noticed in the  
paddy fields which is more than 500 mtrs in distance.

(3) Since the mine area includes  
hillocks, chances of occurring of  
small rodents / lizards / snakes /  
birds may be possible. //

Under the above circumsta-  
nces SEAC, JHD may consider for  
recommending EC to SEIAA.



16/2/2015

(Prof. Dr. M. C. Mubata)

Member SEAC,  
Jharkhand.

प्रेषक,

पत्रांक- 43

अंचल अधिकारी  
राजनगर

दिनांक- 26/2/14

सेवा में

ममर्स सैपिंग माइस एण्ड मिनरल्स  
प्रा० लि० मुरकुली राजनगर

विषय- पर्यावरणीय स्वच्छता प्रमाण पत्र के संबंध में

महाशय

उपर्युक्त विषयक के सम्बन्ध में कहना

है कि ममर्स सैपिंग माइस एण्ड मिनरल्स प्रा० लि०  
मुरकुली राजनगर द्वारा पुनः जांच हेतु आवेदन  
दिया गया। टल्का कर्मचारी एवं अंचल निरीक्षक  
द्वारा पुनः जांच किया गया। जांचों उपरान्त —  
प्रतिवेदन इस पत्र के साथ संलग्न कर भेजा जा  
रहा है।

कृपया प्राप्ति स्वीकार किया जाय।

अनु०

टल्का कर्म०/अ० निरीक्षक का  
जांच प्रतिवेदन संलग्न रूप  
में संलग्न

अधिकारी  
अंचल अधिकारी  
राजनगर

अंचल अधिकारी, राजनगर।  
द्वारा - अंचल निरीक्षक

विषय - पर्यावरणीय स्वच्छता प्रमाण पर फायरेशन मीमांसा -  
गुरुकुली ग्रामागत 397 ग्रामा राजनगर रकानागत 77 जोट  
सह पुआ रकवा प. 16 एकड वन क्षेत्र से पुरी प्रमाण पर के  
संरक्षण के।

प्रस्ताव, आदेशानुसार जोट विभा [रकानागत] में रकानागत  
77 जोट सह पुआ रकवा प. 16 एकड अनुवाद-माइरकण्ड  
सरकार के नाम से दर्ज है। आवंटित एंकोर-लगावूदि से  
लगभग 160 (एक सौ साठ) बीर की पुरी पर है।

- (क) लगभग 500 बीर की दुरी के अन्दर कोई भी भवन व साइट स्थित है - नही
- (ख) लगभग 500 बीर की दुरी के अन्दर कोई जमीन निष्काय स्थित है - हाँ
- (ग) लगभग 500 बीर की दुरी के अन्दर कोई औद्योगिक संरचना स्थित है - नही
- (घ) लगभग 500 बीर की दुरी के अन्दर कोई नदी स्थित है - बरमतीनाला स्थित है
- (ङ) लगभग 500 बीर के अन्दर कोई चिकित्सालय स्थित है - नही
- (च) लगभग 10 किलोमीटर की दुरी के अन्दर कोई भवन संरचना स्थित है - नही
- (ज) लगभग 500 बीर की दुरी के अन्दर कोई राहगीर धरोहर/पुरातत्विक वस्तु के स्थान स्थित है - नही

(ड) प्राप्त वित्त रकम का अनुमानित उत्पादन - इस सम्बन्ध में आदेशक  
को प्रस्ताव के अनुसार नही दी जाये है।  
वस्तु से सम्बन्धित विज्ञापन है।  
इसकी अनुमानित प्रतीक दे साथ है

उपरोक्त केवल प्रमाणों का संश्लेषण।

आपका विश्वासु  
दिनांक 1-2-14

11/9/2014

प. व. पद...

(Signature)

## अंचल अधिकारी का कार्यालय, पोटका पूर्वी सिंहभूम।

पत्रांक: 212  
दिनांक: 05.04.14

षित.

श्री दीपक कुमार  
मेसर्स गुप्ता मिनिरल  
मौजा-हारीडीह,  
जिला-पूर्वी सिंहभूम।

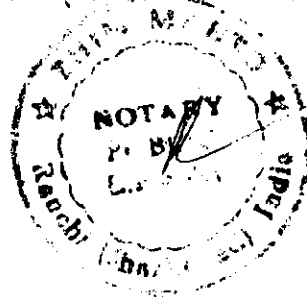
वेधना - पूर्वी सिंहभूम जिलान्तर्गत पोटका अंचल के मौजा-हरीडीह, थाना नं० 1533, खाता नं०-106 प्लॉट नं०-205 रकबा-1.15 एकड़ क्षेत्र पर पत्थर खनिज के पर्यावरणीय स्वीकृति प्राप्त करने के सम्बंध में।

उपर्युक्त विषय के संबंध में सम्बंधित राजस्व कर्मचारी एवं अंचल निरीक्षक से जांच करवाई गई जाँच प्रतिवेदनानुसार आपके द्वारा माँगी गई बिन्दुवार सूचना निम्न प्रकार है :-

1. इस खनन पट्टा से 500 मीटर की दूरी के अन्दर कोई मानव बसाहट (Habitation) स्थित नहीं है।
2. इस खनन पट्टा से 500 मीटर की दुरी के अन्दर कोई जलीय निकाय (Dam/Reservioir) स्थित नहीं है।
3. इस खनन पट्टा से 500 मीटर की दुरी के अन्दर कोई नदी (River) स्थित नहीं है।
4. इस खनन पट्टा से 450 मीटर की दुरी के अन्दर कोई शैक्षणिक (Educational Institute) स्थित नहीं है।
5. इस खनन पट्टा से 500 मीटर की दुरी के अन्दर कोई चिकित्सालय (Hospital) स्थित नहीं है।
6. इस खनन पट्टा से 10 किमी की दुरी के अन्दर कोई अन्तर राष्ट्रीय (Enter State) सीमा नहीं है।
7. इस खनन पट्टा से 500 मीटर की दुरी के अन्दर कोई राष्ट्रीय धरोहर/पूरातत्वीय (Mounments: Archoeological) स्थित नहीं है।
8. प्रस्तावित खनिज का अनुमानित उत्पादन 35,000 (पैंतीस हजार) टन प्रति वर्ष है।
9. (अ) नदी से रेत खनन का प्रकरण नहीं है।
10. इस प्रस्तावित परियोजना के कारण महत्त्वपूर्ण जलागन या जलबहाय क्षेत्र में परिवर्तन नहीं होगा।

आवेदित क्षेत्र मौजा-हरीडीह, थाना नं० 1533, खाता नं०-106 प्लॉट नं०-205 रकबा-1.15 एकड़ खातियान में दर्ज है, जो अनाबाद बिहार सरकार के खाते की भूमि है।

अतः खनिज पत्थर के खनन पट्टा की पर्यावरणीय स्वीकृति हेतु अग्रेतर कार्रवाई हेतु प्रेषित की जाती है।



अंचल अधिकारी,  
पोटका।  
29/5/14

सेवा में  
अंचल - अधीक्षक  
राजनगर

द्वारा - अंचल निरीक्षक

विषय - जलविद्युत संयंत्रों पर पत्थर खनन भेजा -  
मुंबई की याता 397 याता - राजनगर स्वता 77  
फोटो सं 43। स्वता 4-16 एक कक्षा से दुरी प्रमाण पर  
के संबंध में।

महोदय

महोदय द्वारा दिने राप्ते निर्देश के अन्तर्गत में  
पुनः जांच किया। निवेदिता स्थान से अधीक्षक द्वारा वनशुल्क की  
दुरी लगभग 253 से 255 मीटर की दुरी पर है।

1) कक्षा 500 मीटर की दुरी के अन्दर कोई मानववसाहत स्थित है - नही -

2) कक्षा 500 मीटर की दुरी के अन्दर कोई जलमयिका स्थित है। - नही

3) कक्षा 500 मीटर की दुरी के अन्दर शैक्षणिक संस्था स्थित है - नही

4) कक्षा 500 मीटर की दुरी के अन्दर कोई मदी स्थित है। - नाला

5) कक्षा 500 मीटर के अन्दर कोई विद्युत संयंत्र स्थित है - नही

6) कक्षा 10 फीट की दुरी के अन्दर कोई मनुष्य सीमा स्थित है - नही -

7) कक्षा - 500 मीटर की दुरी के अन्दर कोई सड़क या पुरात्विक संस्था स्थित है। - नही

8) राजनगर खनिज का अनुमान इस संबंध में अधीक्षक पदा  
उत्पादन - स्वता से संबंधित कोई प्रमाण

अतः प्रतिवेदन बाकी है।

26/2/14

26/2/14

अधिकारी  
राजनगर, झारखण्ड