

MINUTES OF THE 16th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 14th to 16th APRIL 2014

The 16th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 14th to 16th April 2014 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. S.B.S Chauhan - Member
2. Er. S.K. Singh - Member
3. Dr. R.P. Singh Sangu - Member
4. Prof (Dr) Shatrunjay Kumar Singh - Member
5. Dr M. Mahto - Secretary

Prof. (Dr.) M.C. Mahata, Member could not attend the meeting due to personal reason.

Various projects which were received by SEIAA after the previous SEAC meeting held from 12th to 15th March 2014 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 information / 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.

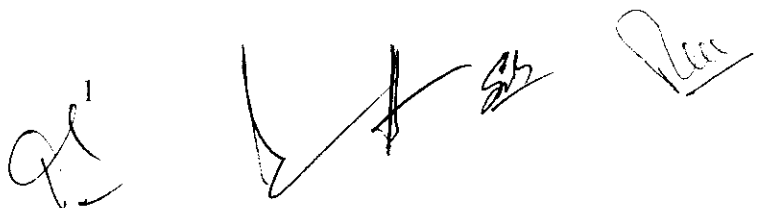
The following observations were made during the Presentation (Project Wise) in brief.

A. Projects recommended to SEIAA for consideration of grant of EC.

1. Brick Clay Mining of M/s Neha Bricks, Vill-Chikor, Tehsil-Khunti, Dist.-Khunti, Jharkhand (1.01 Ha).

This is a Brick Clay Mining Project for having an area of 1.01 Ha [Plot No-2637]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 6 Lakhs and a provision of Rs 0.30 Lakhs will be kept for Environment management.



PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

The proposed annual production capacity as per Form I has been indicated as 3635 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Neha Bricks, Vill-Chikor, Tehsil-Khunti, Dist.-Khunti, Jharkhand (1.01 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

2. Brick Clay Mining of M/s Laxmi Bricks, Vill- Pandu, Tehsil - Khunti, Dist.- Khunti, Jharkhand (0.82 Ha).

This is a Brick Clay Mining Project for having an area of 0.82 Ha [Plot No-1801]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 6 Lakhs and a provision of Rs 0.30 Lakhs will be kept for Environment management.

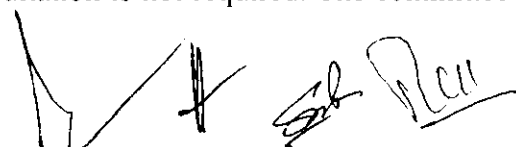
PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

The proposed annual production capacity as per Form I has been indicated as 3000 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Laxmi Bricks, Vill- Pandu, Tehsil - Khunti, Dist.-Khunti, Jharkhand (0.82 Ha) be recommended for consideration of SEIAA for grant of EC.. The various conditions for grant of EC are given Annexure I.

3. Brick Clay Mining of M/s Sudhir Bricks & Construction, Vill-Datia, P.O + P.S-Khunti, Dist.-Khunti, Jharkhand (0.99 Ha).

This is a Brick Clay Mining Project for having an area of 0.99 Ha [Plot No-24]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 6 Lakhs and a provision of Rs 0.30 Lakhs will be kept for Environment management.

PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

The proposed annual production capacity as per Form I has been indicated as 2680 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Sudhir Bricks & Construction, Vill-Datia, P.O + P.S-Khunti, Dist.-Khunti, Jharkhand (0.99 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

4. Brick Clay Mining of M/s Tajna Bricks, Vill- Jamuadag, Tehsil - Khunti, Dist.-Khunti, Jharkhand (0.91 Ha).

This is a Brick Clay Mining Project for having an area of 0.91 Ha [Plot No-372 (P) & 378 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 6 Lakhs and a provision of Rs 0.30 Lakhs will be kept for Environment management.

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PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

The proposed annual production capacity as per Form I has been indicated as 2496 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Tajna Bricks, Vill- Jamuadag, Tehsil - Khunti, Dist.-Khunti, Jharkhand (0.91 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

5. Brick Clay Mining of M/s Aman Bricks, Vill- Toto, P.O - Toto, P.S-Gumla, Dist.-Gumla, Jharkhand (0.874 Ha).

This is a Brick Clay Mining Project for having an area of 0.874 Ha [Plot No-1071 & 1073]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M). dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 for 5 years and a provision of Rs 0.40 Lakhs will be kept for Environment management.

PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

The proposed annual production capacity as per Form I has been indicated as 3496 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Aman Bricks, Vill- Toto, P.O - Toto, P.S-Gumla, Dist.-Gumla, Jharkhand (0.874 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

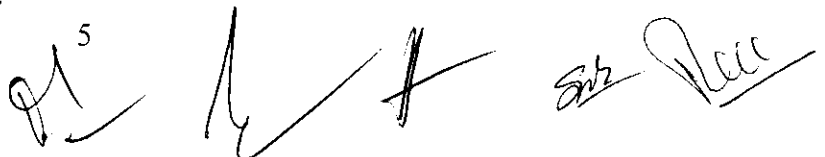
A. Specific Conditions

1. The environmental clearance is subject to grant of mining permit by the Department of Mines. Government of Jharkhand to PP Latest Minor Mineral Concession Rules of Govt. of Jharkhand



and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.

2. 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.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals / Brick Earth Mining.
4. 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).
5. The activity associated with borrowing / excavation of 'brick earth' and 'ordinary earth' for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.
6. The borrowing / excavation activity shall be restricted to a maximum depth of 2 m below general ground level at the site. However – excavation shall not intercept with ground water level at site.
7. The borrowing / excavation activity shall not alter the natural drainage pattern of the area.
8. The borrowing / excavated pit shall be restored by the project proponent for useful purpose (s).
9. Appropriate fencing all around the borrowed / excavated pit shall be made to prevent any mishap.
10. Measures shall be taken to prevent dust emission by covering of borrowed / excavated earth during transportation.
11. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing / excavation of earth.
12. Workers / labours shall be provided with facilities for drinking water and sanitation.
13. A considerable space from mine pit shall be left from the boundary of adjoining field, having, minimum width of 5M.
14. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.
15. 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.
16. 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.
17. 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.
18. 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.

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19. The project proponent should implement suitable conservation measures to augment ground water resources in the area as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
20. 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.
21. Suitable rainwater harvesting scheme shall be planned and implemented as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
22. 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.
23. 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.
24. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
25. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
26. Provision shall be made for the housing of 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.
27. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
28. A final mine closure scheme plan of mine pit shall be submitted to concerned DMO in advance of final mine closure for approval.
29. The excavated earth – by such Brick mining pit owner – shall be supplied only to owners of manufacturing of bricks –having “Consent to Operate” under the provision of section 25 and 26 of The water (prevention and control of pollution) Act, 1974 and under section 21 of The Air (prevention and control of pollution) Act, 1981.
30. All haul roads connection to mining pit head to concerned Brick kilns – shall have muram / Brick paved road to avoid fugitive emission during transportation activities. In addition to this there shall be tree plantation in both side along the haul road.
31. Prime agricultural land shall not be used for earth mining – until and unless – permission of conversion of land has been obtained by component authority.

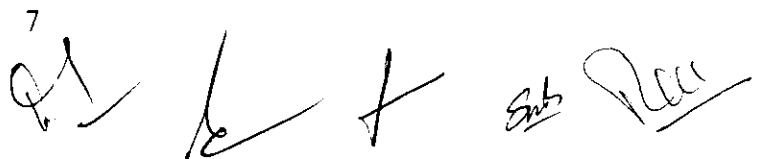
B. General conditions

1. No change in mining methodology 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 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. 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.
8. Dispensary facilities for First Aid shall be provided at site.
9. 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).
10. 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.
11. 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 its concerned Regional Office and to SEIAA.
12. 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,SO₂ ,NO_x (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.
13. 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.
14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the 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.
15. 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 will be valid till the period of land lease and subject to renewal of mining permit which are generally granted for period of 6 month at one time. The PP shall not

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increase production rate and alter lease area during the validity of Environmental Clearance.

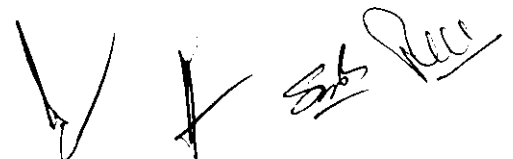
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced 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 Transboundary 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.
6. **Anidih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Anidih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (22.55 Ha).**

This is a Sand Mining Project for having an area of 22.55 Ha [Plot No-410/422 & 410]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. J/13012/12/2013-IA-II(F) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 16.624 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans



vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 1,42,740 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Anidih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Anidih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (22.55 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure I.

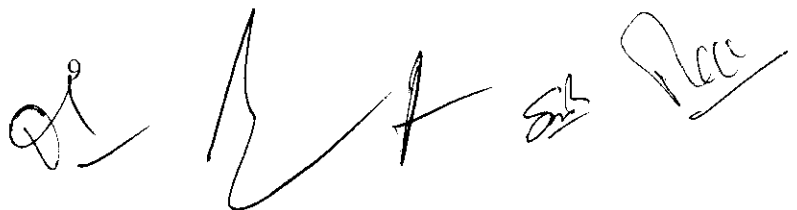
7. Gadadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Gadadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.78 Ha).

This is a Sand Mining Project for having an area of 14.78 Ha [Plot No-1376]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(I) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 1.394 Crores and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

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The proposed annual production capacity as per Mine Plan has been indicated as 87120 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Gadadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Gadadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.78 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

8. Erkia Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Erkia, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (19.12 Ha).

This is a Sand Mining Project for having an area of 19.12 Ha [Plot No-738, 738/754, 738/756, 738/757, 738/758, 738/759]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(I)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 12.459 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 99915 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Erkia Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P.



Ltd, Vill-Erkia, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (20.34 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

9. Salsud Balu Ghat on Radu River (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Salsud, Tehsil-Sonahatu, Dist.-Ranchi, Jharkhand (7.63 Ha).

This is a Sand Mining Project for having an area of 7.63 Ha [Plot No-1207.1344]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.


The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(I) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 13.534 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 62715 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Salsud Balu Ghat on Radu River (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Salsud, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (7.63 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

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10. Gomyadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd. Vill- Gomyadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (9.06 Ha).

This is a Sand Mining Project for having an area of 9.06 Ha [Plot No-862 & 864]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. ~~J-1302/12/2013-1A-11(I)~~ dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 2.25 Crores and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

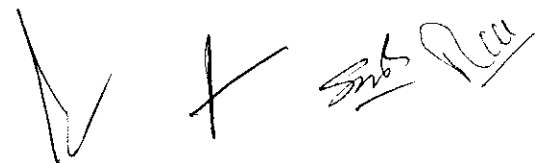
Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 50910 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Gomyadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Gomyadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (9.06 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

11. Navadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd. Vill- Navadih, Tehsil-Khalari, Dist.- Ranchi, Jharkhand (5.47 Ha).

This is a Sand Mining Project for having an area of 5.47 Ha [Plot No-87]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the



fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(I) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined. The assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 6.25 Lakhs and a provision of Rs 4.11 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

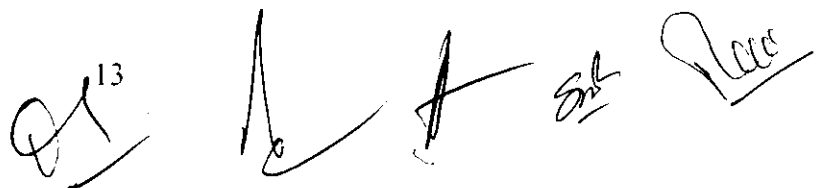
Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 33660 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Navadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Navadih, Tehsil-Khalari, Dist.- Ranchi, Jharkhand (5.47 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

12. Biradirih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Biradirih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (15.85 Ha).

This is a Sand Mining Project for having an area of 15.85 Ha [Plot No-109 & 697]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal

The bottom of the page features several handwritten signatures and initials. From left to right, there is a signature with the number '13' written above it, followed by a large, stylized signature, a smaller signature, and finally a signature that appears to be 'RCC'.

EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-IA-11(1) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 not have any major impact on the surroundings. The indicated project cost is Rs 22.50 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

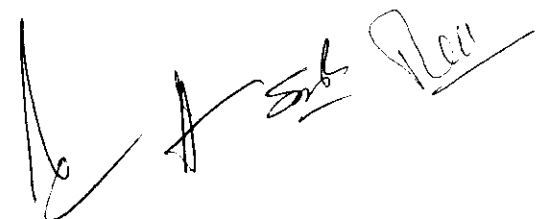
Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 75000 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Biradirih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Biradirih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (15.85 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

13. Dibadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Dibadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.03 Ha).

This is a Sand Mining Project for having an area of 14.03 Ha [Plot No-216 & 736]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

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The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(I) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 76.686 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

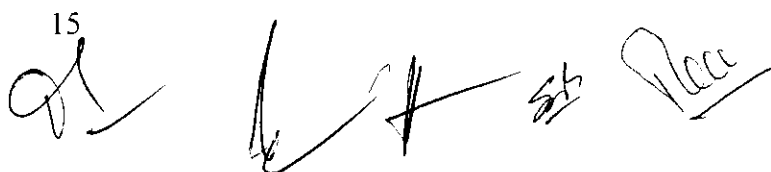
The proposed annual production capacity as per Mine Plan has been indicated as 81315 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Dibadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Dibadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.03 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

14. Hethburadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Hethburadih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (13.00 Ha).

This is a Sand Mining Project for having an area of 13.00 Ha [Plot No-531]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(I) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 23.00 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

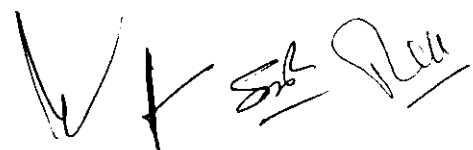
The proposed annual production capacity as per Mine Plan has been indicated as 1,21,695 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Hethburadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Hethburadih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (13.00 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

15. Churgi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Churgi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (21.59 Ha).

This is a Sand Mining Project for having an area of 21.59 Ha [Plot No-1395,189]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(I)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 6.00 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

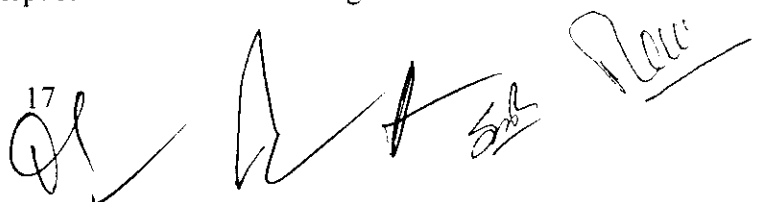
The proposed annual production capacity as per Mine Plan has been indicated as 1,21,710 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Churgi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Churgi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (21.59 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

16. Somadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Somadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (17.26 Ha).

This is a Sand Mining Project for having an area of 17.26 Ha [Plot No-556]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. *J-12012/12/2013-IA-IV(I)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 67.389 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

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PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 1,21,710 cum per annum .

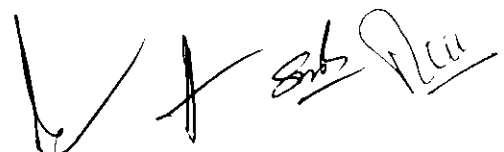
Based on the presentation made and information provided the Committee recommends that the proposal for Somadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Somadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (17.26 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

17. Edarmahatu Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Edarmahatu, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (12.15 Ha).

This is a Sand Mining Project for having an area of 12.15 Ha [Plot No-452]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(I)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 1.91 Crores and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared



that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 68730 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Edarmahatu Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Edarmahatu, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (12.15 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

18. Kanchi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Kanchi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (24.53 Ha).

This is a Sand Mining Project for having an area of 24.53 Ha [Plot No-2177, 1589/2192, 1585, 1276/2199, 1276/2196]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-11-11(I) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln 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 55.55 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of



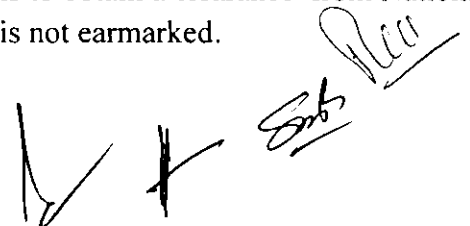
Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

The proposed annual production capacity as per Mine Plan has been indicated as 182490 cum per annum .

Based on the presentation made and information provided the Committee recommends that the proposal for Kanchi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Kanchi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (24.53 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure I.

A. Specific Conditions

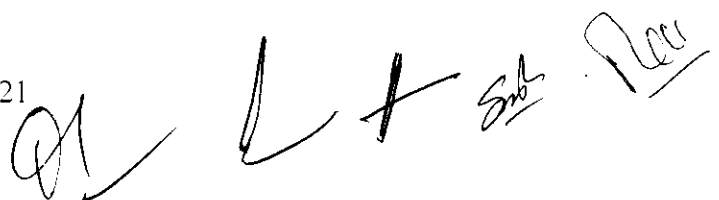
1. The Environmental clearance is subject to grant of Mining Lease and will be co-terminus with the mining lease period.
2. The mining work will be open-cast and exclusively manual. No mechanical work or drilling or blasting should be involved at any stage.
3. It shall be ensured that there shall be no mining beyond 03 m or upto water level which ever is less in the issue of Sand Mining or Sand / Gravel Mining should be raised 15 meter away from the river side or mining should be restricted from the distance equal or more than 1/5 module of river width shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand from the river bed only.
4. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
5. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season. Due consideration will be given to points raised in Supreme Court judgement and SEIAA guidelines.
6. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
7. The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
8. Solid waste material viz., gutkha paochs, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
9. Project falling within in 1.0 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.



10. Natural /customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
13. 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).
14. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
15. 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.
16. 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.
17. 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.
18. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
19. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
20. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
21. 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.
22. 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.
23. 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

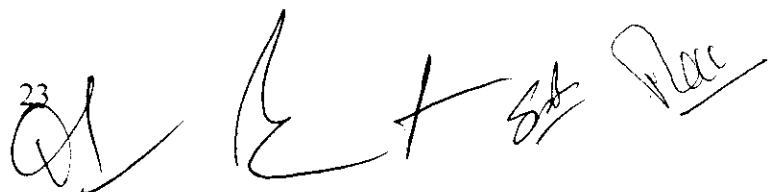
1. Any change in mining area Plot / Khata numbers, entailing capacity addition with change in process and or mining technology modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended), SEIAA guidelines and Supreme Court judgement on the subject.

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2. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
3. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the 'clearance shall-be automatically deemed.to have been cancelled.
4. Parking of vehicles should not be made on public places.
5. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
6. No wildlife habitat will be infringed.
7. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed / basin, where, mining is carried out.
8. It shall be ensured that mining operation will not in any way disturb the, velocity and flow pattern of the river water significantly.
9. It shall be ensured that there is no fauna dependant on the river bed or areas dose to mining for its nesting primary survey of flora and fauna shall be carried out and data / report on the same, vetted by the competent authority shall be submitted to the RO, JSPCB and SEIAA within 03 months of grant of EC.
10. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat / nesting area is undisturbed.
11. Hydro- geological study shall be carried out by reputed organization / institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, JSPCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
12. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, JSPCB and SEIAA and this activity should be completed before the start of sand mining.
13. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects / tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
14. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO / Horticulture Officer.

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15. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
16. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities, Maintenance of Village roads through which transportation of minerals is to be undertaken, shall be carried out by the project proponent regularly at his own expenses.
17. Measures for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geo textile matting or other suitable material.
18. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
19. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile / insect like snake. Periodical and Annual medical check up of workers as per Mines Act and they should be covered under ESI as per rule.
20. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
21. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
22. 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.
23. 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.
24. 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.
25. Dispensary facilities for First Aid shall be provided at site.
26. 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.
27. 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.
28. 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.
29. 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.

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30. 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,SO₂ ,NO_x (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.
31. 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.
32. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the 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.
33. 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 grant of lease for the mine. 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.

B. Projects recommended to SEIAA for consideration of issue of TOR.

Cluster - I Karambu Balughat and Baredih Balughat

1. **Karambu Balughat(Sand Mine) of M/s Mahavir Infraengineering P.Ltd, Vill Karambu, Tehsil- Bundu, Dist.- Ranchi, Jharkhand (36.79 Ha).**

This is a Sand Mining Project for having an area of 36.79 Ha [Plot No-896,855 & 384]. The committee noted that as per Form I it is a proposal for new project.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(T) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 that mining will be carried out by the manual method, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from River Bank to Mining pit 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 10.55 Lakh and a provision of Rs 4.50 Lakhs will be kept for Environment management.

2. Baredih Balughat (Sand Mine) of M/s Mahavir Infraengineering P.Ltd, Vill-Baredih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (12.16 Ha).

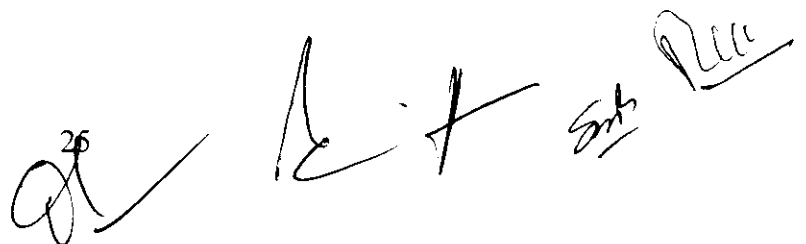
This is a Sand Mining Project for having an area of 12.16 Ha [Plot No-1130 & 1147]. The committee noted that as per Form I it is a proposal for new project.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-1A-11(T) dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 that mining will be carried out by the manual method, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from River Bank to Mining Pit 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 19.91 Lakh and a provision of Rs 4.50 Lakhs will be kept for Environment management.

Since the two projects fall within 1000 m as such they form a cluster. The total area workout to Karambu Balu Ghat- 36.79 Ha, Baredih Balu Ghat- 12.16 Ha, Total Area 48.95. As such the TOR's are required to be issued.

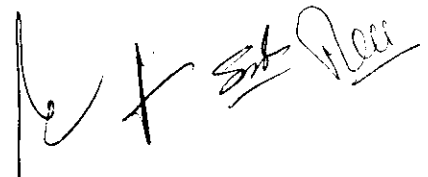
The proposed annual production capacity from two Balu Ghats as per Form I for the cluster has been indicated as 75085 m³.

PP has submitted all information as desired by committee in respect of both the Balu Ghats. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

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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 14th to 16th April 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study for cluster I.

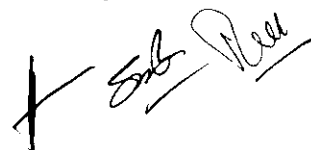
1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, 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.
8. The terms and conditions imposed, if any, by the Competent Authority in the State Government while granting mining lease should be built into the mine plan as well as the EIA report. It may inter-alia include; area of working, mode of working, working shift, transportation of mineral etc.
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.
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. Points made in Supreme Court order dated 27-02-2012 are to be considered while preparing EIA/EMP Report also Guidelines of SEIAA, Jharkhand and MoEF circulars / guidelines issued from time to time are to be given due consideration while preparing EIA/EMP Report.
15. Data of Flora / Fauna in the region where the Mining Lease Area is located is to be provided in the EIA/EMP Report. The same is to be duly authenticated.



16. Existence of Breeding ground of species like Hill Stream Fishes, Turtles, Mastacembelid Fish, Gastropods, Bivalves etc. if any in vicinity and its distance from Mining area is to be prepared / obtained and confirmed from DFO. In case if Breeding ground not there then a NIL report has to be obtained from DFO and incorporated in the EIA/EMP Report.
17. Mining plan has to be prepared keeping in view the applicable guidelines including distances from nearby structures. Sectional plan is to be shown.
18. Width of the river on which all these Ghats with authentic backup data / information.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. Impact, if any, of change of land use should be given.
26. 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.

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27. 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.
28. 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.
29. 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.
30. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
31. Details of water conservation measures proposed to be adopted in the project should be given.
32. 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.
33. 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.
34. 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.
35. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
36. 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 details of plantation already done should be given.
37. 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.
38. 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.
39. 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.
40. 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.

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41. 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.
42. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
43. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
44. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.

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.
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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.

The prescribed TORs would be valid for a period of two years for submission of the EIA / EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010.

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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.

Cluster -II Daruhatu Balughat, Sarjamdih Balughat, Jilutikar Balughat and Huanghatu Balughat

1. Daruhatu Balughat (Sand Mine) of M/s Mahavir Infraengineering P.Ltd, Vill-Daruhatu, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (6.58 Ha).

This is a Sand Mining Project for having an area of 6.58 Ha [Plot No-677]. The committee noted that as per Form I it is a proposal for new project.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(1)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 that mining will be carried out by the manual method, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from River Bank to Mining Pit 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 16.95 Lakh and a provision of Rs 4.50 Lakhs will be kept for Environment management.

2. Sarjamdih Balughat (Sand Mine) of M/s Mahavir Infraengineering P.Ltd, Vill-Sarjamdih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (14.33 Ha).

This is a Sand Mining Project for having an area of 14.33 Ha [Plot No-647]. The committee noted that as per Form I it is a proposal for new project.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(1)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 that mining will be carried out by the manual method, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from River Bank to Mining pit 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 6.00 Lakh and a provision of Rs 4.50 Lakhs will be kept for Environment management.

3. Jilutikar Balughat (Sand Mine) of M/s Mahavir Infraengineering P.Ltd, Vill-Jilutikar, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (8.10 Ha).

This is a Sand Mining Project for having an area of 8.10 Ha [Plot No-130]. The committee noted that as per Form I it is a proposal for new project.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(I)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 that mining will be carried out by the manual method, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from River Bank to Mining Pit 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 16.955 Lakh and a provision of Rs 4.50 Lakhs will be kept for Environment management.

4. Huanghatu Balughat (Sand Mine) of M/s Mahavir Infraengineering P.Ltd, Vill-Huanghatu Tehsil-Bundu, Dist.- Ranchi, Jharkhand (13.32 Ha).

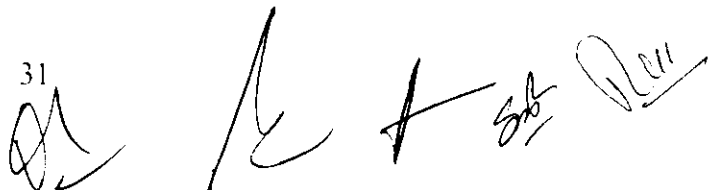
This is a Sand Mining Project for having an area of 13.32 Ha [Plot No-520/629, 624]. The committee noted that as per Form I it is a proposal for new project.

The project was reviewed in light of Office Memorandum No. *J-13012/12/2013-1A-11(I)* dated- 24th December, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme. 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 that mining will be carried out by the manual method, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from River Bank to Mining Pit 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 16.955 Lakh and a provision of Rs 4.50 Lakhs will be kept for Environment management.

Since the four projects fall within 1000 m as such they form a cluster. The total area worked out to Daruhatu Balu Ghat- 6.58 Ha, Sarjamdih Balu Ghat – 14.33 Ha, Jilutikar Balu Ghat – 8.10, Huanghatu Balu Ghat- 13.32 Ha, Total Area 42.33. As such the TOR's are required to be issued.

PP has submitted all information as desired by committee in respect of four Balu Ghats. PP has submitted an undertaking that the desired information from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and belief. Considering the practice adopted at MOEF the committee decided to recommend the case to SEIAA for its consideration.

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The proposed annual production capacity from four Balu Ghats as per Form I for the cluster has been indicated as 75630 m³.

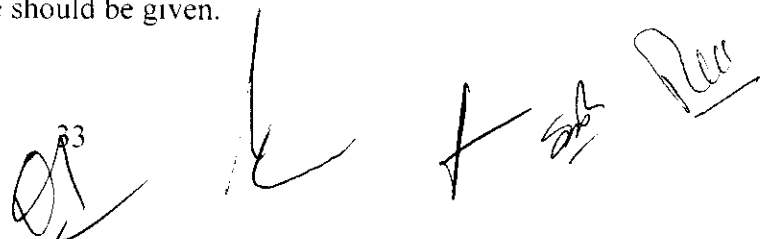
Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 14th to 16th April 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study for cluster II.

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.
8. The terms and conditions imposed, if any, by the Competent Authority in the State Government while granting mining lease should be built into the mine plan as well as the EIA report. It may inter-alia include; area of working, mode of working, working shift, transportation of mineral etc.
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.
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. Points made in Supreme Court order dated 27-02-2012 are to be considered while preparing EIA/EMP Report also Guidelines of SEIAA, Jharkhand and MoEF circulars / guidelines issued from time to time are to be given due consideration while preparing EIA/EMP Report.



15. Data of Flora / Fauna in the region where the Mining Lease Area is located is to be provided in the EIA/EMP Report. The same is to be duly authenticated.
16. Existence of Breeding ground of species like Hill Stream Fishes, Turtles, Mastacembelid Fish, Gastropods, Bivalves etc. if any in vicinity and its distance from Mining area is to be prepared / obtained and confirmed from DFO. In case if Breeding ground not there then a NIL report has to be obtained from DFO and incorporated in the EIA/EMP Report.
17. Mining plan has to be prepared keeping in view the applicable guidelines including distances from nearby structures. Sectional plan is to be shown.
18. Width of the river on which all these Ghats with authentic backup data / information.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. Impact, if any, of change of land use should be given.

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26. 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.
27. 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.
28. 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.
29. 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.
30. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
31. Details of water conservation measures proposed to be adopted in the project should be given.
32. 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.
33. 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.
34. 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.
35. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
36. 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 details of plantation already done should be given.
37. 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.



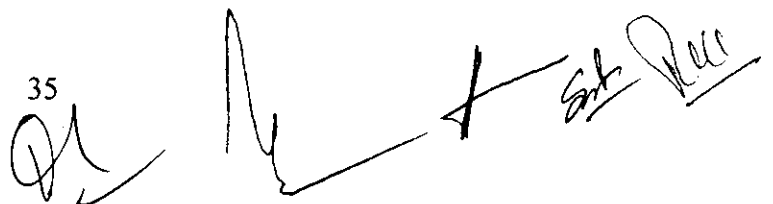
38. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
39. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
40. 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.
41. 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.
42. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
43. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
44. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.

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.
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The EIA report should also include

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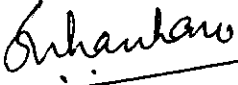
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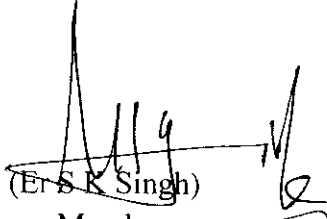
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After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining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


The meeting concluded with thanks to all present.

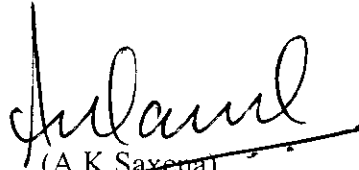

(S.B.S Chauhan)
Member


(Er S K Singh)
Member


(Dr. R.P. Singh Sangu)
Member


(Prof (Dr) Shatrunjay Singh)
Member


(M. Mahfo)
Secretary


(A K Saxena)
Chairman