

PART- B MINUTES OF THE 32nd MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 24th to 27th AUGUST, 2015

The 32nd meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 24th to 27th August, 2015 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

1. Sh. A.K. Saxena - Chairman
2. Sh. S.B.S Chauhan - Member
3. Er. S.K. Singh - Member
4. Dr. R.P. Singh Sangu - Member (Partly attended from 24th to 25th)
5. Prof. (Dr.) M.C. Mahata - Member
6. Dr. Shatrunjay Kumar Singh - Member (Partly attended from 25th to 27th)
7. Shri S.K. Suman - Secretary

Various projects which were received by SEIAA after the previous SEAC meeting held from 03rd to 06th August, 2015 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional informations / clarifications were also considered for examination / scrutiny where the Project proponents had submitted replies. Accordingly, the Project proponents were asked to make technical presentation for the appraisal of their project before the committee.

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

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

1. Proposals related to Stone Mine (New Project)

I. Demba Stone Deposit of M/s Yashraj Black Stone Works at Mouza- Demba, P.O.- Mahadeoganj, Thana- Borio, Dist.- Sahebganj, Jharkhand (4.96 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Stone Mining Project for having an area of 4.96 Ha [J.B No.- 22, Plot No.- 34, 43 (P) & 61, J.B. No.- 12, Plot No.- 33 (P), J.B. No.- 21, Plot No.- 35, 41 & 62 (P), J.B. No.- 11, Plot No.- 42, J.B. No.- 27, Plot No.- 60, J.B. No.- 37, Plot No.- 59 (P), J.B. No.- 19, Plot No.- 39 (P)]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt,

due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 68.50 Lakh and a provision of Rs 5.97 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 40,04,619 t

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	4,05,000 t
2 nd Year	:	4,03,842 t
3 rd Year	:	4,04,364 t
4 th Year	:	4,03,644 t
5 th Year	:	4,04,367 t

The daily production as per Form -I is 1350 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Demba Stone Deposit of M/s Yashraj Black Stone Works at Mouza- Demba, P.O.- Mahadeoganj, Thana- Borio, Dist.- Sahebganj, Jharkhand (4.96 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

II. Padapahar Stone Mine of M/s C.T.S. Industries Ltd. at Village- Padapahar, Thana- Jagannathpur, Dist.- West Singhbhum, Jharkhand (2.024 Ha).

Consultant- /S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Stone Mining Project for having an area of 2.024 Ha [Khata No.- 2, Plot No.-2901 (P)]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 53.00 Lakhs and a provision of Rs 1.59 Lakhs will be kept for Environment management.



The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 10,48,745 t

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1st Year : 2,10,632 t
2nd Year : 2,07,198 t
3rd Year : 2,07,681 t
4th Year : 2,05,567 t
5th Year : 2,16,937 t

The daily production as per revised Form -I is 735 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Padapahar Stone Mine of M/s C.T.S. Industries Ltd. at Village- Padapahar, Thana- Jagannathpur, Dist.- West Singhbhum, Jharkhand (2.024 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

III. Sareyad Stone Deposit of Shri Sandip Kumar at Village- Sareyad, Thana- Sonahatu, Dist.- Ranchi, Jharkhand (0.75 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Stone Mining Project for having an area of 0.75 Ha [Khata No.- 45, Plot No.- 1 (P)]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 36.00 Lakhs and a provision of Rs 2.13 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 60,021 t

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1st Year : 6012 t

2 nd Year	:	6003 t
3 rd Year	:	6075 t
4 th Year	:	6003 t
5 th Year	:	6039 t

The daily production as per revised Form -I is 20 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Sareyad Stone Deposit of Shri Sandip Kumar at Village- Sareyad, Thana- Sonahatu, Dist.- Ranchi, Jharkhand (0.75 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

IV. Phasiya Stone Deposit of Shri Ashok Kumar Singh at Village- Phasiya, Tehsil- Gumla, Dist.- Gumla, Jharkhand (0.405 Ha).

Consultant- M/S Visiontek Consultancy Services Pvt Ltd, Bhubaneshwar, RQP- Dr. Gurpinder Singh Jaiswal

This is a Stone Mining Project for having an area of 0.405 Ha [Khata No.- 118, Plot No.- 1698 (P)]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 9.35 Lakhs and a provision of Rs 2.30 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 38,669 t

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	4957 t
2 nd Year	:	4957 t
3 rd Year	:	4957 t
4 th Year	:	4957 t
5 th Year	:	4957 t



The daily production as per Form -I is 17 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Phasiya Stone Deposit of Shri Ashok Kumar Singh at Village- Phasiya, Tehsil- Gumla, Dist.- Gumla, Jharkhand (0.405 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

V. Patratu Stone Deposit of Shri Manoj Kumar Sahu at Village- Patratu, Thana- Kisco, Dist.- Lohardaga, Jharkhand (1.41 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Stone Mining Project for having an area of 1.41 Ha [Khata No.- 125, Plot No.- 215 (P) & 218 (P)]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 65.00 Lakhs and a provision of Rs 4.67 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

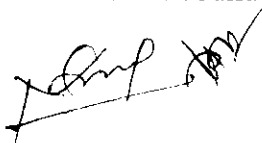
Mineable Proved Reserve : 2,22,701 t

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	23,293 t
2 nd Year	:	22,556 t
3 rd Year	:	23,196 t
4 th Year	:	23,547 t
5 th Year	:	23053 t

The daily production as per Form -I is 278 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.



Based on the presentation made and information provided the Committee decided that the proposal for Patratu Stone Deposit of Shri Manoj Kumar Sahu at Village- Patratu, Thana- Kisco, Dist.- Lohardaga, Jharkhand (1.41 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

VI. Purti Dighiya Stone Deposit of M/S CT.S. Industries Ltd. at Mouza- Purti Dighiya, Thana- Kolhan, Dist.- West Singhbhum, Jharkhand (4.755 Ha.)

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Stone Mining Project for having an area of 4.755 Ha [Khata No.- 2, Plot No.- 2319 (P)]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 79.00 Lakhs and a provision of Rs 2.88 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 32,21,900 t


Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	3,15,457 t
2 nd Year	:	3,17,061 t
3 rd Year	:	3,19,089 t
4 th Year	:	3,16,310 t
5 th Year	:	3,22,631 t

The daily production as per Form -I is 1094 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Purti Dighiya Stone Deposit of M/S CT.S. Industries Ltd. at Mouza- Purti Dighiya, Thana- Kolhan, Dist.- West Singhbhum, Jharkhand (4.755 Ha.) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.



VII. Kundru Khurd Stone Mining Project of M/s Dilip Buildcon Ltd. at Village-Kundru Khurd, Thana- Ramgarh, Dist.- Ramgarh, Jharkhand (2.64 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri B. Turkey

This is a Stone Mining Project for having an area of 2.64 Ha [Khata No.- 137, Plot No.- 1970 (P) & 1758]. The committee noted that as per Form I it is a proposal for new lease 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 with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 50.00 Lakhs and a provision of Rs 0.70 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 7,14,828 t

Year-wise Production as per Approved Mining Plan Report for two years is as follows

1st Year : 3,60,418 t

2nd Year : 3,68,194 t

The daily production as per Form -I is 1214 tonnes.

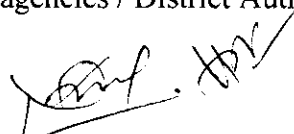
PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Kundru Khurd Stone Mining Project of M/s Dilip Buildcon Ltd. at Village-Kundru Khurd, Thana- Ramgarh, Dist.- Ramgarh, Jharkhand (2.64 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

Annexure -I

A. Specific Conditions

1. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.



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 / National Green Tribunal / MOEF Guidelines applicable to Minor Minerals.
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). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
5. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
6. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
7. 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.
8. 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.
9. 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.
10. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
11. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
12. 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.
13. 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

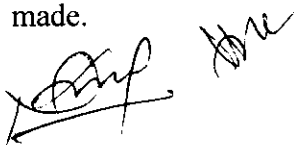


that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

14. 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.
15. 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.
16. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
17. 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.
18. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
19. Drills shall either be operated with the dust extractors or equipped with water injection system.
20. 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.
21. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
22. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
23. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
24. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
25. 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.
26. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.



3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,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.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 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.

17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and 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.

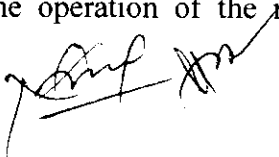
Proposals related to Stone Mine (Renewal Project)

VIII. Basahatu Stone Mine of Shri Chandan Kumar at Village- Basahatu, Tehsil- Jhinkpani, District- West Singhbhum, Jharkhand (1.618 Ha).

Consultant- M/S Safe Environment, Singhbhum East, RQP- Dr. G.S. Jaiswal

This is a Stone Mining Project for having an area of 1.618 Ha [Khata No.- 1, Plot No.- 2739 (P)]. The committee noted that as per Form I it is a proposal for expansion of mining lease for which PP is seeking EC. The lease was valid w.e.f. 18.07.2002 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

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



indicated project cost is Rs 14.21 Lakhs and a provision of Rs 3.44 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 1,68,953 t

Year-wise Production as per Approved Mining Plan Report for two years is as follows

1st Year : 12,744 t
2nd Year : 12,742 t

The daily production as per Form 1 is 42 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Basahatu Stone Mine of Shri Chandan Kumar at Village- Basahatu, Tehsil- Jhinkpani, District- West Singhbhum, Jharkhand (1.618 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure II.

IX. Bara Bhumri Stone Mine of Sri Ujjwal Singh at Village- Bara Bhumri, P.S- Potka, District- East Singhbhum, Jharkhand. (3.743 Ha).

Consultant- M/S Safe Environment, Singhbhum East, RQP- Dr. G.S. Jaiswal

This is a Stone Mining Project for having an area of 3.743 Ha [Khata No.- 208, Plot No.- 1080 (P)]. The committee noted that as per Form I it is a proposal for expansion of mining lease for which PP is seeking EC. The lease was valid w.e.f. 28.08.2010 for a period of 05 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 1.58 Crore and a provision of Rs 9.59 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Total Including Provable Reserve : 10,16,291 t

Year-wise Production as per Approved Mining Plan Report for five years is as follows

1st Year : 1,27,020 t



2 nd Year	:	2,03,247 t
3 rd Year	:	2,03,242 t
4 th Year	:	2,03,289 t
5 th Year	:	2,03,273 t

The daily production as per Mine Plan is 678 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Bara Bhumri Stone Mine of Sri Ujjwal Singh at Village- Bara Bhumri, P.S- Potka, District- East Singhbhum, Jharkhand. (3.743 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure II.

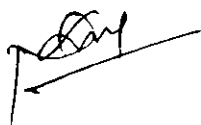
Annexure -II

A. Specific Conditions

1. The environmental clearance is subject to renewal of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
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 / National Green Tribunal / MOEF Guidelines applicable to Minor Minerals.
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). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
5. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
6. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
7. 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.
8. 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.



9. 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.
10. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
11. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
12. 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.
13. 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.
14. 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.
15. 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.
16. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
17. 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.
18. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
19. Drills shall either be operated with the dust extractors or equipped with water injection system.
20. 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.
21. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
22. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
23. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking

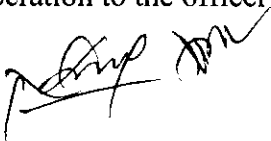


water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

24. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
25. 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.
26. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) by furnishing the requisite data / information / monitoring reports.



13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,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.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 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.
17. All statutory clearances shall be obtained before start of mining operations.

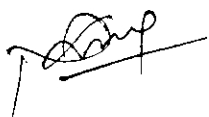
C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of renewal of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and 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.

Proposals related to Sand Mine

I. Deulbari Balu Ghat on Barakar River of Shri Gautam Goswami at Mouza-Deulbari, Tehsil- Jamtara, Dist.- Jamtara, Jharkhand (5.48 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee



This is a Sand Mining Project for having an area of 5.48 Ha [Plot No.- 741]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 394, dated- 27.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 50.25 Lakhs and a provision of Rs 2.45 Lakh has been indicated for Environment management.

The proposed estimated mineable reserve is 1,15,932 cum and annual production capacity as per Form I has been indicated as 1,15,932 cum per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

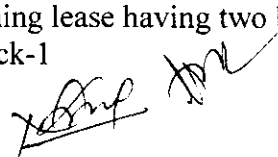
Based on the presentation made and information provided the Committee decided that the proposal for Deulbari Balu Ghat on Barakar River of Shri Gautam Goswami at Mouza- Deulbari, Tehsil- Jamtara, Dist.- Jamtara, Jharkhand (5.48 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

II. Ranga Balu Ghat of M/S Bindhyavasini Commercial Services Pvt. Ltd. at Village- Goasol, Mouza- Ranga, Sub-district- Masalia, Dist.- Dumka, Jharkhand (12.343 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 12.343 Ha [Plot No.- 1226 & 1373]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 824, dated- 18.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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.

Mining lease having two blocks
Block-1



Block-2

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 88.10 Lakhs (revise) and a provision of Rs 3.30 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 2,89,071 cum (Block-1 1,61,025, Block-2 1,28,046) and total annual production capacity as per Form I has been indicated as 2,00,000 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Ranga Balu Ghat of M/S Bindhyavasini Commercial Services Pvt. Ltd. at Village- Goasol, Mouza- Ranga, Sub-district- Masalia, Dist.- Dumka, Jharkhand (12.343 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

III. Palasi Balu Ghat of M/S Bindhyavasini Commercial Services Pvt. Ltd. at Mouza- Palasi, Barapalasi and Kori Katania, Tehsil- Jama, Dist.- Dumka, Jharkhand (21.084 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 21.084 Ha [Tanki Ghat Plot No.- 479, Shmshan Ghat Plot No.- 415, Tatnoi Plot No.- 430]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 829, dated- 18.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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.

Mining lease having four blocks

Block-1(Tanki Ghat)

Block-2 (Near Shmshan Ghat)

Block-3 (Tatnoi Ghat)

Block-4 (Mauhuanal Ghat)

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 1.58 Crores (revised) and a provision of Rs 8.00 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 5,07,822 cum (Tanki Ghat- 83,694, Shmshan Ghat- 2,07,933, Tatnoi Ghat- 1,26,075, Madhudangal Ghat- 90,120) and total annual production capacity as per Form I has been indicated as 5,00,000 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

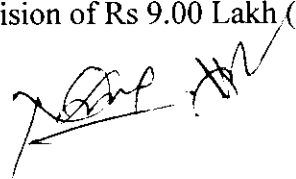
Based on the presentation made and information provided the Committee decided that the proposal for Palasi Balu Ghat of M/S Bindhyavasini Commercial Services Pvt. Ltd. at Mouza- Palasi, Barapalasi and Kori Katania, Tehsil- Jama, Dist.- Dumka, Jharkhand (21.084 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

IV. Chanda Dih – Lakhan Dih Balu Ghat of M/S Spakle World Pvt. Ltd. at Village- Chanda Dih, Tehsil-Narayanpur, Dist.- Jamtara, Jharkhand (17.00 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 17.00 Ha [Plot No.- 1226]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 409, dated- 26.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 1.39 Crores (revised) and a provision of Rs 9.00 Lakh (revised) has been indicated for Environment management.



The proposed estimated mineable reserve is 4,45,965 cum and annual production capacity as per Form I has been indicated as 4,45,965 cum per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Chanda Dih – Lakhan Dih Balu Ghat of M/S Spakle World Pvt. Ltd. at Village- Chanda Dih, Tehsil-Narayanpur, Dist.- Jamtara, Jharkhand (17.00 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

V. Sukhjora Balu Ghat of M/S Md Abdulla at Mouza- Sukhjora, Tehsil- Jamtara, Dist.- Jamtara, Jharkhand (7.69 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee


This is a Sand Mining Project for having an area of 7.69 Ha. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 408, dated- 26.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 61.50 Lakhs (revised) and a provision of Rs 2.60 Lakh has been indicated for Environment management.

The proposed estimated mineable reserve is 1,98,525 cum and annual production capacity as per Form I has been indicated as 1,98,525 cum per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Sukhjora Balu Ghat of M/S Md Abdulla at Mouza- Sukhjora, Tehsil- Jamtara, Dist.- Jamtara, Jharkhand (7.69 Ha).be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.



VI. Butberiya Balu Ghat on Barakar River of M/S Sainik Foods (P) Ltd. at Mouza- Butberiya, Tehsil- Narayanpur, Dist.- Jamtara, Jharkhand (5.67 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 5.67 Ha [Plot No.- 1143]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 407, dated- 27.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 56.60 Lakhs (revised) and a provision of Rs 2.40 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 1,42,581 cum and annual production capacity as per Form I has been indicated as 1,42,581 cum per annum .

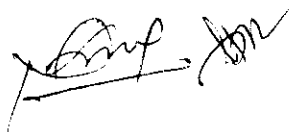
PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Butberiya Balu Ghat on Barakar River of M/S Sainik Foods (P) Ltd. at Mouza- Butberiya, Tehsil- Narayanpur, Dist.- Jamtara, Jharkhand (5.67 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

VII. Udalbani Balu Ghat Mining Project of M/S Mahadev Enclave (P) Ltd. at Village- Udalbani, Tehsil- Jamtara, Dist.- Jamtara, Jharkhand (17.00 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 17.00 Ha [Plot No.- 1583, Khata No.- 63]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 406, dated- 27.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 1.10 Crores (revised) and a provision of Rs 3.60 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 4,50,536 cum and annual production capacity as per Form I has been indicated as 4,50,536 cum per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Udalbani Balu Ghat Mining Project of M/S Mahadev Enclave (P) Ltd. at Village- Udalbani, Tehsil- Jamtara, Dist.- Jamtara, Jharkhand (17.00 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

VIII. Sand Mining on River Pataro of Mr. Sanjeev Kumar at Mouza- Burhai, Anchal- Devipur, Dist.- Deoghar, Jharkhand (4.13 Ha).

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Tapan Kumar Chakaraborty

This is a Sand Mining Project for having an area of 4.13 Ha (Plot No.- 110). The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.-1055 , dated- 26.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 49.00 Lakhs (revised) and a provision of Rs 2.35 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 99,120 cum and annual production capacity as per Form I has been indicated as 99,120 cum per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Sand Mining on River Pataro of Mr. Sanjeev Kumar at Mouza- Burhai, Anchal- Devipur, Dist.- Deoghar, Jharkhand (4.13 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

IX. Tunju Balu Ghat on Kanchi River of Mr. Sanjay Kumar Modak at Village- Tunju, Block- Bundu, Dist.-Ranchi, Jharkhand (2.80 Ha).

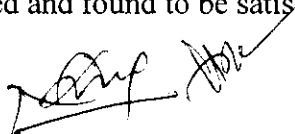
Consultant- M/S Pollution & Ecology Control Services, RQP- Sri A.K. Prasad

This is a Sand Mining Project for having an area of 2.80 Ha [Khata No.- 65, Plot No.- 2408]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.-872, dated- 27.05.2015 for which PP is seeking EC. Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 15.00 Lakhs and a provision of Rs 3.14 Lakh has been indicated for Environment management.

The proposed estimated reserve is 42,607 cum and annual production capacity as per Form I has been indicated as 42,607 cum per annum .

PP has submitted certificates from DFO & DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.



Based on the presentation made and information provided the Committee decided that the proposal for Tunju Balu Ghat on Kanchi River of Mr. Sanjay Kumar Modak at Village- Tunju, Block - Bundu, Dist. - Ranchi, Jharkhand (2.80 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

X. Churgi Balu Ghat of M/S Surjeet Kumar Singh at Village- Churgi, Block- Bundu, Dist.- Ranchi, Jharkhand (21.59 Ha)

Consultant- M/S Pollution & Ecology Control Services, RQP- Dr. G.S. Jaiswal

This is a Sand Mining Project for having an area of 21.59 Ha [Khata No.- 84, Plot No.- 1395 & 189]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 870, dated- 27.05.2015 for which PP is seeking EC. The area allotted was 35.92 Ha (88.73 Acres). Considering the fact that it is B2 Category 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.

This plot forms a part of mine lease in which there are 02 (two) blocks. The size of blocks are as follows:

1. Churgi - 21.59 Ha (53.33 Acres)
2. Sarjamdih - 14.33 Ha (35.40 Acres)

This proposal is for Churgi Balughat

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 19.00 Lakhs and a provision of Rs 1.56 Lakh has been indicated for Environment management.

The proposed estimated reserve is 1,28,465 cum and annual production capacity as per Form I has been indicated as 1,28,465 cum per annum .

PP has submitted certificates from DFO & DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Churgi Balu Ghat of M/S Surjeet Kumar Singh at Village- Churgi, Block- Bundu, Dist.- Ranchi, Jharkhand (21.59 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.



XI. Sarjamdih Balu Ghat at M/S Surjeet Kumar Singh at Village- Sarjamdih, Block- Bundu, Dist.- Ranchi, Jharkhand (14.33 Ha).

Consultant- M/S Pollution & Ecology Control Services, RQP- Sri A.K. Prasad

This is a Sand Mining Project for having an area of 14.33 Ha [Khata No.- 67, Plot No.- 647]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 870, dated- 27.05.2015 for which PP is seeking EC. The area allotted was 35.92 Ha (88.73 Acres). Considering the fact that it is B2 Category 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.

This plot forms a part of mine lease in which there are 02 (two) blocks. The size of blocks are as follows:

3. Churgi - 21.59 Ha (53.33 Acres)
4. Sarjamdih - 14.33 Ha (35.40 Acres)

This proposal is for Sarjamdih Balughat

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 15.00 Lakhs and a provision of Rs 1.56 Lakh has been indicated for Environment management.

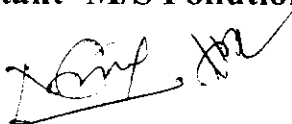
The proposed estimated reserve is 1,25,467 cum and annual production capacity as per Form I has been indicated as 1,25,467 cum per annum .

PP has submitted certificates from DFO & DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Sarjamdih Balu Ghat at M/S Surjeet Kumar Singh at Village- Sarjamdih, Block- Bundu, Dist.- Ranchi, Jharkhand (14.33 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

XII. Kanchi Balu Ghat of M/S Bhawani Infratech at Mouza- Kanchi, Block- Bundu, Dist.- Ranchi, Jharkhand (24.53 Ha)

Consultant- M/S Pollution & Ecology Control Services, RQP- Dr. G.S. Jaiswal



This is a Sand Mining Project for having an area of 24.53 Ha [Khata No.- 114, Plot No.- 2177, Khata No.- 280, Plot No.- 1589/2192, Khata No.- 253, Plot No.- 1585, Khata No.- 201, Plot No.- 1276/2194 & 1276/2196]. DMO in his letter has indicated that there are 4 blocks in this mine lease. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 871, dated- 27.05.2015 for which PP is seeking EC. The area allotted was 35.92 Ha (88.73 Acres). Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 20.00 Lakhs and a provision of Rs 2.20 Lakh has been indicated for Environment management.

The proposed estimated reserve is 2,31,936 cum and annual production capacity as per Form I has been indicated as 2,31,936 cum per annum .

PP has submitted certificates from DFO & DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Kanchi Balu Ghat of M/S Bhawani Infratech at Mouza- Kanchi, Block-Bundu, Dist.- Ranchi, Jharkhand (24.53 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

XIII. Bamangama Sand Mining Project of M/s Agrima Infra Engineering Pvt. Ltd. at Village- Bamangama, Thana- Sarath, Dist.- Deoghar, Jharkhand. (0.61 Ha).

Consultant- M/S En-Vision Environmental Services, Surat, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 0.61 Ha [Khata No.- 121, Plot No.- 2005 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1049, dated- 26.06.2015 for which PP is seeking EC. The area allotted was 35.92 Ha (88.73 Acres). Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 85.32 Lakhs (revised) and a provision of Rs 1.55 Lakh has been indicated for Environment management.

The proposed estimated reserve is 25,304 tonne and annual production capacity as per Form I has been indicated as 25,304 tonne per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

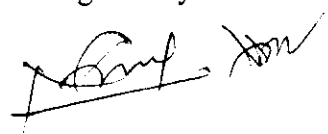
Based on the presentation made and information provided the Committee decided that the proposal for Bamangama Sand Mining Project of M/s Agrima Infra Engineering Pvt. Ltd. at Village- Bamangama, Thana- Sarath, Dist.- Deoghar, Jharkhand (0.61 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

XIV. Goura Mishradih Sand Mining Project of M/s Agrima Infra Engineering Pvt. Ltd. at Village- Goura Mishradih, Thana- Sarath, Dist- Deoghar, Jharkhand (0.82 Ha).

Consultant- M/S En-Vision Environmental Services, Surat, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 0.82 Ha [Khata No.- 174, Plot No.- 194 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1061, dated- 26.06.2015 for which PP is seeking EC. The area allotted was 35.92 Ha (88.73 Acres). Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 73.75 Lakhs and a provision of Rs 1.55 Lakh has been indicated for Environment management.

The proposed estimated reserve is 23,760 tonne and annual production capacity as per Form I has been indicated as 23,760 tonne per annum .

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Goura Mishradih Sand Mining Project of M/s Agrima Infra Engineering Pvt. Ltd. at Village- Goura Mishradih, Thana- Sarath, Dist- Deoghar, Jharkhand (0.82 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

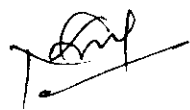
XV. Phago Sand Mining Project of M/s Agro,a Infra Engineering Pvt. Ltd. Village- Phago, Thana- Sarath, Dist – Deoghar, Jharkhand. (2.85 Ha)

Consultant- M/S En-Vision Environmental Services, Surat, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 2.85 Ha [Khata No.- 374, Plot No.- 1409 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1060, dated- 26.06.2015 for which PP is seeking EC. The area allotted was 35.92 Ha (88.73 Acres). Considering the fact that it is B2 Category 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 OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 46.00 Lakhs and a provision of Rs 1.55 Lakh has been indicated for Environment management.

The proposed estimated reserve is 1,45,638 tonne and annual production capacity as per Form I has been indicated as 1,45,638 tonne per annum .



PP has submitted certificates from DMO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Phago Sand Mining Project of M/s Agro,a Infra Engineering Pvt. Ltd. Village-Phago, Thana- Sarath, Dist – Deoghar, Jharkhand. (2.85 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure III.

Annexure III

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 / blasting should be involved at any stage.
3. The mining is confined to extraction of sand from the river bed only. No mining is to be carried out in water stream. 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.
4. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed. Also PP shall ensure that stipulations mentioned in MoEF OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 and SEIAA, Jharkhand guideline dated 07.05.2013 are adhered to.
5. For the green belt development in the mining area / transport road sides / other land area saplings available in the forest nursery / private nursery should also be considered for the mentioned purpose instead of the Trees / Plants mentioned in the PFR / Presentation copies of the proposed mine.
6. No sand mining activities will be carried out in upstream or downstream within 500 m of railways, road, bridge, water intake, wires & notified aquarium or breeding places.
7. Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc and shall submit report to SEIAA, JSPCB and DMO after every monsoon i.e. by end of November (30th) of that year. Also after receding of flood / water (after monsoon) a study has to be conducted in mining lease area and list of flora & fauna is to be prepared and submit report to SEIAA, JSPCB and DMO.
8. 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).
9. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.

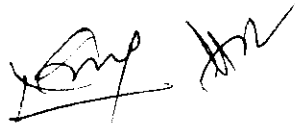
10. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges 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.
11. 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.
12. 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.
13. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
14. Project falling within 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.
15. Natural /customary paths used by villagers should not be obstructed at any time by the activities proposed under the project. Transportation of sand is to be carried out with consent of Villagers and Trucks are to be covered with Tarpaulin.
16. 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.
17. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
18. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
19. 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.
20. 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.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.



24. 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.
25. 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.
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 hill stream fishes 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 DMO, JSPCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.



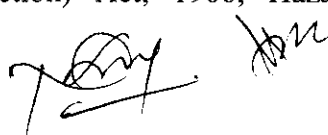
12. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the DMO, JSPCB and SEIAA and this activity should 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 programme. 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. At least 33 % equivalent to lease area is to be covered with local species of plant. Plantation is to be carried out along Village road and other roads, community places like schools, temples, religious places, panchayat bhawan, etc.
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 SEIAA / JSPCB / concerned authorities.
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).
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.
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.

Proposals related to Sand Mine

I. Bricks clay Mining of M/s Neha Bricks at Village- Barkoili Morhatoli, P.O.- Shaleguttu, P.S.- Kamdara, Dist.- Dumka, Jharkhand (1.85 Ha).

Consultant- M/S ENV DAS India Pvt Ltd, Lucknow

This is a Brick Clay Mining Project for having an area of 1.85 Ha [Khata No.- 38, Plot No- 375 (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 11.00 Lakhs and a provision of Rs 1.00 Lakhs will be kept for Environment management.

PP has submitted certificate from DMO & DFO.

The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided, the Committee recommends that the proposal for Bricks clay Mining of M/s Neha Bricks at Village- Barkoili Morhatoli, P.O.- Shaleguttu, P.S.- Kamdara, Dist.- Dumka, Jharkhand (1.85 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure-IV

II. Bricks Clay Mining of M/s Hanuman Bricks Suppliers at Village- Dugda, P.O.- Karmatand, P.S.- Dugda, Dist- Bokaro, Jharkhand. (1.6 Ha)

Consultant- M/S ENV DAS India Pvt Ltd, Lucknow

This is a Brick Clay Mining Project for having an area of 1.6 Ha [Khata No.- 236, Plot No- 3450 (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 10.20 Lakhs and a provision of Rs 1.20 Lakhs will be kept for Environment management.

PP has submitted certificate from DMO & DFO.

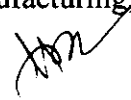
The proposed annual production capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided, the Committee recommends that the proposal for Bricks Clay Mining of M/s Hanuman Bricks Suppliers at Village-Dugda, P.O.- Karmatand, P.S.- Dugda, Dist- Bokaro, Jharkhand. (1.6 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure-IV

Annexure -IV

A. Specific Conditions

1. The environmental clearance is subject to grant / renewal 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). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities.
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.



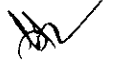
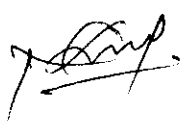
6. The borrowing / excavation activity shall be restricted to a maximum depth of 2 m below general ground level at the site. However – excavation shall not intercept with ground water level at site.
7. The borrowing / excavation activity shall not alter the natural drainage pattern of the area.
8. The 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.
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 grant / renewal of mining permit which are generally granted for period of 6 month at one time. 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.

1. Rajabera Iron Ore Mine of Shri Padam kumar jain at Village- Rajabera P.S - Gua, Dist.- West Singhbhum, Jharkhand (41.639 Ha).

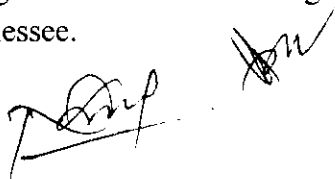
Shri Padam Kumar Jain at existing project of Iron Ore Mine having 1,25,595 TPA at Village- Rajabera, P.S.-Gua, District- West Singhbhum, Jharkhand. The latitude and longitude of the project site is 22° 15' 13" N to 22° 15' 56" N and 85°19'12" E to 85°19' 3.5" E respectively. The existing project has been proposed for mining of 1,25,595 TPA of iron ore. The lease area is 41.639 Ha. The mining lease was granted in favour of Shri Gyan Chand Jain on 29.02.1988 for the period of 20 years. Later it was transferred in the name of Shri Padam Kumar Jain vide State Government Order No.- 3849/M dated on 24.08.1995. Lessee has applied for its renewal on 23.02.2007 for a period of further 30 years. The renewal application is still pending at State Government level. The expected life of the mine is 5.20 years. Water requirement for the proposed project for drinking use, dust suppression will be 16 KLD, which will be taken from nearby village. No Forest land is involved. No national park/wild life sanctuary/ecologically sensitive area located within 10 km radius of the project site. The cost of the project is Rs. 1.00 Crore.

The project authorities along with their consultant M/s Grass Root Research & Creation India (P) Ltd, Noida gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Terms of Reference for preparation of EIA / EMP report. This is a case of violation as the proponent continued mining beyond expiry of lease period without taking EC.

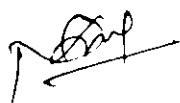
Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 03rd to 06th August 2015 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

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

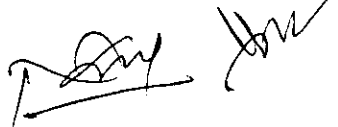
1. Year-wise production details since 1994 onwards should be given in the EIA Report duly certified by DMO clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been violation of Environmental Protection Act 1986 and any increase in production after the EIA Notification, 1994 coming into force w.r.t. the highest production achieved prior to 1994.
2. 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.
3. 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.



4. All corner coordinates of the mine lease area superimposed on High Resolution Imagery/ toposheet should be provided.
5. 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.
6. 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.
7. 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.
8. 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.
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. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any in the project area, or otherwise, based on land use classification (revenue record) as also in terms of the definition of forest as pronounced in the judgment of the Hon'ble Supreme Court of India in the matter of T.N. Godavarman Vs. Union of India. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
15. Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
16. 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.



17. 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.
18. The vegetation in the RF / PF area with necessary details should be given.
19. A study shall be got done to ascertain the impact of the mining project on wildlife of the area including on the elephant population and details furnished.
20. 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.
21. 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.
22. Impact, if any, of change of land use should be given.
23. R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the 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.
24. 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.
25. 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.

26. 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.
27. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
28. Details of water conservation measures proposed to be adopted in the project should be given.
29. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
30. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
31. Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.
32. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand.
33. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
34. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
35. The reclamation plan, mine closure plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
36. 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.
37. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
 38. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
 39. 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.
 40. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of preplacement medical examination and periodical medical examination schedules should be incorporated in the EMP.
 41. 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.
 42. 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.
 43. 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.
 44. 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.
 45. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
 46. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
 47. Public hearing.

The following general points should be noted:

- a. Properly indexed, page numbered.
- b. Period/date of data collection should be clearly indicated. (non-monsoon)
- c. Authenticated English translation of all material in Regional languages should be provided.
- d. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- e. Site related monitoring shall be carried out for 3 months in one season (non monsoon).



- f. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
 - g. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
 - h. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/ Laboratories including their status of approvals etc.
48. Detailed EMP to mitigate the adverse impacts due to project along-with item wise cost of its implementation (capital and recurring.)

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) Details of all statutory clearances obtained in those for EC / NOC of conditions imposed therein shall be included in the EIA / EMP Report.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of MOEF with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH process again with the revised documentation.

The 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) (part) dated 22.08.2014.



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

2. Proposals for Sand Mine

I. Karambu Balughat of Shri Niraj Kumar Singh at Village- Karambu, Panchayat-Baruhatu, Block Bundu, Dist.- Ranchi, Jharkhand (46.18 Ha).

Consultant- M/S Pollution & Ecology Control Services, RQP- Dr. G.S. Jaiswal

DMO in his certificate has indicated that Jilutikar, Huwanghatu, Daruhatu & Karambu are falling in same panchayat. Auction of same have been done together. This is a Sand Mining Project for having an area of 46.18 Ha [Plot No-896,855 & 384]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 868, dated- 27.05.2015.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-IA.II(I), dated- 24th December, 2013 issued by MoEF and and SEIAA guidelines dated 07.05.2013 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 25.00 Lakh and a provision of Rs 2.50 Lakhs will be kept for Environment management. Details of this have to be provided in EIA/EMP report.

The proposed estimated reserve is 1,68,840 cum and annual production capacity as per Form I has been indicated as 1,68,840 cum per annum .

PP has submitted certificates from DFO & DMO.

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 24th to 27th August, 2015, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study Annexure V.

II. Chalna Balu Ghat of M/s Sparkle World Pvt. Ltd. at Mouza- Chalna, Anchal-Jamtara, Dist- Jamtara, Jharkhand. (48.36 Ha)

Consultant- M/S Ascenso Enviro Pvt Ltd, Noida, RQP- Sri Joydeep Banerjee

This is a Sand Mining Project for having an area of 48.36 Ha. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 411, dated- 27.05.2015.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-IA.II(I), dated- 24th December, 2013 issued by MoEF and and SEIAA guidelines dated 07.05.2013 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 1.54 Crore and a provision of Rs 14.00 Lakhs will be kept for Environment management. Details of this have to be provided in EIA/EMP report.

The proposed estimated reserve is 13,42,677 cum and annual production capacity as per Form I has been indicated as 13,42,677 cum per annum .

PP has submitted certificates from DMO.

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 24th to 27th August, 2015, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study Annexure V.

Cluster Sand Mine Jilutikar, Huwangghatu Balughat, Daruhatu Balughat

DMO in his certificate has indicated that Jilutikar, Huwangghatu, Daruhatu & Karambu are falling in same panchayat. Auction of same have been done together. The Jilutikar, Huwangghatu, Daruhatu from a cluster of 27.99 Ha. As such ToR's being considered for the cluster. Individual details are furnished below.

III. Jilutikar Balu Ghat Kanchi River M/S Niraj Kumar Singh at Village- Jilutikar, Panchyat- Baruhatu, Block-Bundu, Dist.- Ranchi, Jharkhand (8.1 Ha).

Consultant- M/S Pollution & Ecology Control Services, RQP- Dr. G.S. Jaiswal

This is a Sand Mining Project for having an area of 8.1 Ha [Khata No.- 25, Plot No.- 130]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 868, dated- 27.05.2015.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-IA.II(I), dated- 24th December, 2013 issued by MoEF and and SEIAA guidelines dated 07.05.2013 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 16.00 Lakhs and a provision of Rs 1.25 Lakhs will be kept for Environment management.

The proposed estimated reserve is 41,555 cum and annual production capacity as per Form I has been indicated as 41,555 cum per annum .

PP has submitted certificates from DFO & DMO.

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 24th to 27th August, 2015, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study Annexure V.

IV. Huwanghatu Balu Ghat Kanchi River M/S Niraj Kumar Singh at Village-Huwanghatu, Block-Bundu, Dist.- Ranchi, Jharkhand (13.31 Ha)

Consultant- M/S Pollution & Ecology Control Services, RQP- Dr. G.S. Jaiswal

This is a Sand Mining Project for having an area of 13.31 Ha [Khata No.- 76, Plot No.- 520/629, 624]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 868, dated- 27.05.2015.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-IA.II(I), dated- 24th December, 2013 issued by MoEF and and SEIAA guidelines dated 07.05.2013 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 17.00 Lakhs and a provision of Rs 1.25 Lakhs will be kept for Environment management.

The proposed estimated reserve is 72,927 cum and annual production capacity as per Form I has been indicated as 72,927 cum per annum .

PP has submitted certificates from DFO & DMO.

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 24th to 27th August, 2015, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study Annexure V.

V. Daru Hatu Balu Ghat Kanchi River M/S Niraj Kumar Singh at Village-Daruhatu, Block-Bundu, Dist.- Ranchi, Jharkhand(6.58 Ha)

Consultant- M/S Pollution & Ecology Control Services, RQP- Dr. G.S. Jaiswal

This is a Sand Mining Project for having an area of 6.58 Ha [Khata No.- 71, Plot No.- 677]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 868, dated- 27.05.2015.

The project was reviewed in light of Office Memorandum No. J-13012/12/2013-IA.II(I), dated-24th December, 2013 issued by MoEF and SEIAA guidelines dated 07.05.2013 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 17.00 Lakhs and a provision of Rs 0.75 Lakhs will be kept for Environment management.

The proposed estimated reserve is 59,648 cum and annual production capacity as per Form I has been indicated as 59,648 cum per annum .

PP has submitted certificates from DFO & DMO.

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 24th to 27th August, 2015, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study Annexure V.

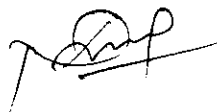
The TORs prescribed for undertaking detailed EIA study are as follows:

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. Khata No. & Plot No. to be provided in this EIA/EMP.
4. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided. All Balughats falling under the panchayat have to be indicated in one map and distance between there should be clearly marked. In case some total of Area of balughats falling within 1 km of each other exceeds 50 Ha then the cluster will fall under 'A' category. This has to be clearly shown in the map and confirmed.
5. 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.
6. 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.
7. 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.



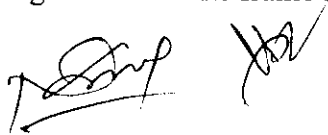
8. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
9. The terms and conditions imposed, if any, by 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.
10. 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.
11. 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.
12. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted.
13. Details of the land for sand storage 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.
14. 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.
15. 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.
16. 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.
17. Hydro- geological study shall be carried out by reputed organization / institute and establish that mining in the said area will not adversely affect the ground water regime.
18. Mining plan has to be prepared keeping in view the applicable guidelines including distances from nearby structures like bridge, intake well, etc. Sectional plan is to be shown.
19. Existence of Breeding ground of species like Hill Stream Fishes, Turtles, Mastacembelid Fish, Gastroopods, Bivalves etc. if any, in the vicinity and in the Mining area is to be prepared / obtained and confirmed from DFO. In case if Breeding ground is not there, then a certificate of no occurring has to be obtained from DFO and incorporated in the EIA/EMP Report.
20. Width of the river on which all these Ghats with authentic backup data / information.

21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. Impact, if any, of change of land use should be given.
28. 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.
29. 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.

30. 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.
31. 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.
32. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
33. Details of water conservation measures proposed to be adopted in the project should be given.
34. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground Water Board.
35. 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.
36. 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.
37. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
38. 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.
39. 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.
40. 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.
41. 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.



42. 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.
43. 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.
44. 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.
45. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
46. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
47. Public hearing.

The following general points should be noted:

- I. Properly indexed, page numbered.
- II. Period/date of data collection should be clearly indicated. (non-monsoon)
- III. Authenticated English translation of all material in Regional languages should be provided.
- IV. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- V. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
- VI. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- VII. 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.11 (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- VIII. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc.

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

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.




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


The EIA report should also include

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

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) part dated 22.08.2014.

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.


(S.K. Suman)
Secretary


(A K Saxena) 2/9/15
Chairman