

MINUTES OF THE 18th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 07th to 08th JUNE 2014

The 18th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 07th to 08th June 2014 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C. Ashok Nagar, Ranchi. The following members were present:

1. Sh. S.B.S Chauhan - Member
2. Er. S.K. Singh - Member
3. Dr. R.P. Singh Sangu - Member
4. Prof (Dr) Shatrunjay Kumar Singh - Member
5. Dr M. Mahto - Secretary

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

Various projects which were received by SEIAA after the previous SEAC meeting held from 07th to 10th May 2014 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional information / clarifications were also considered for examination / scrutiny where the Project proponents had submitted replies. Accordingly, the Project proponents were asked to make technical presentation for the appraisal of their project before the committee.

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

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

1. Stone Mine with Crusher at Karhadih & Khargadiha of M/s Bishnu Dev Singh, Vill- Karhadih & Khargadiha, Dist.- Giridih, Jharkhand. (0.594 Ha).

This is a Stone Mining Project for having an area of 0.594 Ha (Plot No- 520 (P) & 2092 (P)). The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 29.03.2003 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 35 Lakhs and a provision of Rs 2.53 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 143883 t

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

1 st Year	:	29096.28 t
2 nd Year	:	26068.10 t
3 rd Year	:	30817.7 t
4 th Year	:	34674.2 t
5 th Year	:	34881.08 t

The daily production 116 tonnes as per Form 1 is yearly production divided by 300 working days.

PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory. PP has also submitted a note regarding problems faced by him in obtaining certificate from DFO. SEIAA may kindly like to see. (Annexure I)

Based on the presentation made and information provided the Committee recommends that the proposal for Stone Mine with Crusher at Karhadih & Khargadiha of M/s Bishnu Dev Singh, Vill- Karhadih & Khargadiha, Dist.- Giridih, Jharkhand. (0.594 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

A. Specific Conditions

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. The environmental clearance is subject to renewal of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
5. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs is found in the Project area).
6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.



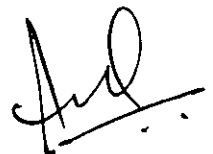
7. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
8. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
9. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
10. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
11. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
12. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
13. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
14. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
15. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
16. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required for the project.
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
18. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.
19. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.



21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

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



11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,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.

2. Baijudih Stone Mine of M/s Baijudih Stone Works, Village Baijudih, P. O. Dhanwar, District - Giridih, Jharkhand (1.012 Ha).

This is a Stone Mining Project for having an area of 1.012 Ha [Plot No- 172 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 25.03.2003 for period of 10 years in the name of Sri Basudev Choudhary. The lease was transferred in name of M/s Baijudih Stone Works (Md. Iliyas, Gulam Sarwar, Md. Imran, Md. Mosaraf and Md. Yasin) on 28th May 2008 for the balance period of lease. 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 17 Lakhs and a provision of Rs 3 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 218124 t

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

1 st Year	:	23533 t
2 nd Year	:	32854 t
3 rd Year	:	29403 t
4 th Year	:	23004 t
5 th Year	:	25088 t

The daily production as per Form 1 is 100 tonnes.

PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory. PP has also submitted a note regarding problems faced by him in obtaining certificate from DFO. SEIAA may kindly like to see. **(Annexure II)**

Based on the presentation made and information provided the Committee recommends that the proposal for Baijudih Stone Mine of M/s Baijudih Stone Works, Village Baijudih, P. O. Dhanwar, District - Giridih, Jharkhand (1.012 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

A. Specific Conditions

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

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



27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,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 renewal of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

3. Baijudih Stone Quarry of M/s Md. Saraj Village Baijudih, Tehsil Dhanwar, District - Giridih, Jharkhand (1.012 Ha).

This is a Stone Mining Project for having an area of 1.012 Ha (Plot Nos as per DMO letter 297,300,301,302 and 304). 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 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 16 lakhs and a provision of Rs 3 lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan Report are

Mineable Proved Reserve : 245987 t

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

1st Year : 12507 t
2nd Year : 22399 t
3rd Year : 18819 t
4th Year : 26454 t
5th Year : 34619 t

The daily production as per Form 1 is 80 tonnes.

PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory. PP has also submitted a note regarding problems faced by him in obtaining certificate from DFO. SEIAA may kindly like to see. (Annexure III)

Based on the presentation made and information provided the Committee recommends that the proposal for Baijudih Stone Quarry of M/s Md. Saraj, Village Baijudih, Tehsil Dhanwar, District - Giridih, Jharkhand (1.012 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

A. Specific Conditions

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. The environmental clearance is subject to grant of mining lease by the Department of Mines. Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.

5. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs or is found in the Project area).
6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
7. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
8. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
9. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
10. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
11. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
12. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
13. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
14. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
15. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
16. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required for the project.
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.



18. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.
19. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.

7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,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 Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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

1. Abru Quartz Mine of Sri Keyur Sinha, Vill.-Abru, P.S- Kolhan, Dist.-West Singhbhum, Jharkhand. (16.16 Ha).

This is a Quartz Mine Project for having an area of 16.16 Ha. 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 'B' Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is required.

The indicated project cost is Rs 15.49 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management. The mine is located between Latitude 22°39'49.68" to 22°40'10.02" N and Longitude 85°51'10.53" to 85°51'30.16" E. The mineable reserve is 5,20,000 tonnes and proposed production rate is 2,40,000 TPA.

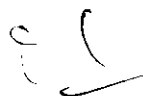
Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 07th to 08th June 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.

6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
8. The 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.
9. 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.
10. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. The vegetation in the RF / PF area with necessary details should be given.
18. 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.
19. 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.



20. 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.
21. Impact, if any, of change of land use should be given.
22. 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.
23. 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.
24. Air quality modelling 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 modelling 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.
25. 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.
26. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
27. Details of breakup of Water Recruitment.
28. List of Mine / Industries existing in 10 KM radius.
29. Details of water conservation measures proposed to be adopted in the project should be given.
30. 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.
31. 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.
32. 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.
33. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand.



34. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and below ground level. A schematic diagram may also be provided for the same.
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. 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). PP / it's Consultant has indicated that they will carry out backfilling with flyash. Documents substantiating use of flyash for backfilling along with environmental impacts if any are to be discussed in detail in the Report.
36. 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.
37. 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.
38. Scheme for development of Green Belt in 33% area of Mining Lease.
39. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
48. Approved Mining Plan / Mining Scheme from concerned authorities to be enclosed in EIA / EMP Report.



49. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

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

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

The EIA report should also include

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

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

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.

2. Expansion of existing Sponge Iron Plant to Sponge Iron based Integrated Steel Plant of M/s Sundaram Steel Pvt Ltd., Vill.-Balidih, Dist.-Bokaro, Jharkhand.

M/s. Sundaram Steel Pvt Ltd at present operates Sponge Iron Plant having 1x90 TPD. Now they wish to add one 90 tpd kiln, 2 nos Induction Furnace of 12 MT capacity and 8 MW CPP at B-7.

Bokaro Industrial Area, Vill.-Balidih, Dist.-Bokaro, Jharkhand. No extra land is required for the proposed expansion. The latitude and longitude of the project site is 22° 40' 39.2" N and 86°04' 18.6" E respectively. No Forest land is involved. No national park/wild life sanctuary/ecologically sensitive area located within 10 km radius of the project site. The area is located in Bokaro Industrial Zone. The cost of the project is Rs. 55 Crores. Since this project falls in Industries Area public hearing is not called for.

The status of existing and proposed expansion units are as given below:-

Existing Units :-

S. No.	Plant details	Capacity (TPD)
1.	Sponge Iron	1x90 TPD

Proposed Units

S. No.	Plant details	Capacity
1.	Sponge Iron	1x90 TPD
2.	CPP (Power Plant)	8 MW
3.	Induction Furnace	2 X 12 MT

The project authorities along with their consultant M/s. Grass Roots Research & Creation India Pvt. Ltd., 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.


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 07th to 10th May 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

- 1 Executive summary of the project.
- 2 Photographs of the existing and proposed plant area.
- 3 Details of CSR activities carried out.
- 4 A certified report of the status of compliance of the conditions stipulated in the environmental clearance and Consent to Operate for the existing operation of the project from JSPCB.
- 5 Recent monitoring report which shall include data on AAQ, stack emission data, water quality, solid waste etc. shall be submitted.

- 6 Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, compliance to the notice(s).
- 7 A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 8 Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10Km radius area from proposed site. The same should be used for land used/land-cover mapping of the area.
- 9 Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing land use/land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site.
- 10 Details and classification of total land (identified and acquired) should be included. Necessary documents indicating acquisition of land should be included.
- 11 Coordinates of the plant site with topo sheet co-ordinates should also be included.
- 12 A list of industries within 10 km radius of the plant area.
- 13 Residential colony should be located in upwind direction.
- 14 Action plan for the green belt development plan in 33 % area should be included.
- 15 Ecological status (Terrestrial and Aquatic) is vital. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species and various issues addressed and included.
- 16 At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing proceedings and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
- 17 Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
- 18 Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
- 19 Agreement for Hazardous Waste.
- 20 Compliance of Hazardous Waste disposal conditions as imposed by JSPCB .
- 21 Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
- 22 Details of Online Monitoring System.

Process Related:

- 23 A line diagram / flow sheet for the process and EMP shall be submitted.



- 24 Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) green areas, water bodies and rivers/drainage passing through the project site should be included.
- 25 List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
- 26 List of Industries falling within 10 KM radius.
- 27 Mass balance for the raw material and products should be included.
- 28 Studies for slurry, sludge material and solid waste generated should also be included. if the raw materials used has trace elements and a management plan. Manufacturing process details for all the process units should be included.
- 29 Possibility of installation of WHRB will be explored and details included.
- 30 Energy balance data for all the components should be incorporated.

Air Environment

- 31 Site-specific micro-meteorological data like temperature, relative humidity, hourly wind speed and direction, rainfall etc.
- 32 Ambient air quality at monitoring should be carried out adequately as per NAAQS 2009. Ambient air quality monitoring along with cumulative impact should be included for the day (24 hrs) for maximum GLC along with following:
 - i. Emissions (g/second) with and without the air pollution control measures.
 - ii. Meteorological inputs (wind speed, m/s), wind direction, ambient air temperature, cloud cover, relative humidity & mixing height using SODAR on hourly basis.
 - iii. Model input options for terrain, plume rise, deposition etc.
 - iv. Print-out of model input and output on hourly and daily average basis.
 - v. A graph of daily averaged concentration (MGLC scenario) with downwind distance at every 500 m interval covering the exact location of GLC.
 - vi. Details of air pollution control methods used with percentage efficiency that are used for emission rate estimation with respect to each pollutant.
 - vii. Applicable air quality standards as per LULC covered in the study area and % contribution of the proposed plant to the applicable Air quality standard. In case of expansion project, the contribution should be inclusive of both existing and expanded capacity.
 - viii. No. I-VII are to be repeated for fugitive emissions and any other source type relevant and used for industry.
 - ix. Graphs of monthly average daily concentration with down-wind distance.
 - x. Specify when and where the ambient air quality standards are exceeded either due to the proposed plant alone or when the plant contribution is added to the background air quality.
- 33 Fugitive dust protection or dust reduction technology for workers within 30 m of the plant active areas.
- 34 Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.



- 35 Air pollution control measures during charging of raw materials into the Induction Furnace and during operation of the furnace shall be detailed.
- 36 Air Quality Impact Prediction based on CPCB/MoEF approved model(s) shall be presented.
- 37 Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
- 38 An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008.

Water Environment

- 39 Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
- 40 If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.
- 41 Ground water analysis at 8 locations with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
- 42 'Permission' for the drawl of water should be obtained from concerned authorities. Water balance data must be provided.
- 43 Action plan for rainwater harvesting measures should be prepared and the same should be got duly approved from Ground Water Directorate, Government of Jharkhand .
- 44 Surface water quality at 8 locations must be ascertained.
- 45 If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1:10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
- 46 Pre-treatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.

Solid Waste Management

- 1 Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included.
- 2 Identification and details of land to be used for all type of slag disposal in the secured land fill as per CPCB guidelines should be included.
- 3 End use of solid waste/slag and its composition should be covered.
- 4 Toxicity should be assessed following standard leaching procedures particularly the Toxicity Characteristic Leachate Procedure (TCLP) test for the slag.

Safety and Health

- 47 Risk Disaster Management needs to be provided.
- 48 Occupational Health:
 - a) Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,

- b) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analysed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
- c) Annual report of health status of workers with special reference to Occupational Health and Safety.
- d) Plan and fund allocation to ensure the occupational health & safety of all contract and sub-contract workers.

49 Corporate Environment Policy

- I. 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.
- II. 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.
- III. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- IV. Does the company have 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.

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. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- VI. 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.
- VII. 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.

It was decided that 'TORS' prescribed by the State level Expert Appraisal Committee should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other



that English, an English translation should be provided. The final EIA report shall be submitted to the SEIAA for obtaining environmental clearance.

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report.

C. PP was asked to furnish details in earlier meeting. PP was present but did not submit all desired information. The list of PP is as follows:-

1. Stone Quarry at Chhaparwar of M/s BSC-C&C Construction, Vill-Chaparwar, P.O- Chaparwar, P.S-Hariharganj, Dist. Palamu, Jharkhand (2.02 Ha).


PP has asked to submit additional information. He has yet to submit information as required from DFO. In this regard a letter submitted by PP is attached for consideration of SEIAA. (Annexure IV)

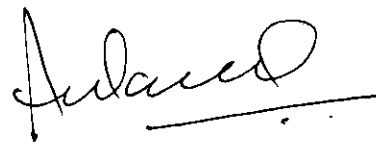
D. The following is the list of PP's request for next meeting.

1. Narma Bauxite Mine of Sri Ashok Kumar Poddar , Vill.-Narma, Bishunpur, Dist.-Gumla, Jharkhand. (17.305 Ha).
2. Angara Graphite Mine of Arunjay Narayan Sinha, Vill.-Manjhiladih, Tehsil- Giridih, Dist.- Giridih, Jharkhand (10.669 Ha).

The next meeting shall be held from 21 to 22 July 2014.

The meeting concluded with thanks to all present.


(M. Mahto)
Secretary


(A K Saxena)
Chairman

सेवा में,

अध्याक्ष/सचिव,

भारतखंड राज्य विशेषज्ञ अवलोकन समिति,

अशाक नगर, राँची

वे

महाशय,

शक्तिमय निवेदन यह है कि मैं विष्णुदेव सिंह

ग्राम - चकमंजी, पो - खरगडीहा, जिला - गिरिडीह, भारतखंड राज्य का निवासी हूँ। मैं मौजा करहाडीह एवं खरगडीहा के प्लॉट नं - 5202-2092 में लीज हूँ। इसमें वन प्रमंडल वन अधिकारी सै (D.F.O.) रिपोर्ट माँगा गया था। 5-9-13 को जो रिपोर्ट पेश किया उसमें वन लीज से वन क्षेत्र की पूरी मही पेशाया गया था। अब 20-8-14 के रिपोर्ट में लीज से वन अधि का पूरी पेशाया गया है। इसमें मुझे काफी परेशानियों का सामना करना पड़ा।

अतः श्रीमान से मेरा जम निवेदन

है कि इस पर सहानुभूति पूर्वक विचार किया जाय। इस कार्य के लिए मैं श्रीमान का सदा आभारी बना रहूँगा।

आपका विश्वास्त भाजत

विष्णुदेव सिंह

ग्राम - चकमंजी

पो - खरगडीहा

जिला गिरिडीह

(भारतखंड)

श्रीमान्

अध्यक्ष

श्रीमान् ~~डा. ए. ए. ए.~~ महोदय (शैली)

विषय :- वन प्रमापण गिरिडीह में केंचुडीह ह्योन वकल का दुयी के कागज लेने में मुझे काफ़ी दिक्कत का सामना करना पडा।

मेरे पास केंचुडीह ह्योन वकल का कागज 2.50 एकड़ क्षेत्र में प्रोमोड इलियस आठ नीमाडीह को अरवाजा, शाना चन्ना जि० गिरिडीह में मुझे वन प्रमापण गिरिडीह में दुयी के कागज के लिए काफ़ी समय टाल-मरोल का के चार माह में दिया गया, जो मैं समय से आपनी कागज को शैली मुझे में परलुप्त करने में लेट हो गया।

अतः श्रीमान् से नम्र निवेदन किया है कि इस प्रकार का दिक्कत का मुझा कोने का क्या प्रदान किया जाय तबले लिए श्रीमान् का श्रदा अमरी सुंकार।

आपका विश्वासी
Md. Gijes
8.06.14
M. Nimadh
Giridih
M. 9905543927

श्री. श्री. सायब
श्री. मान् ~~सायब~~ महादम,
रांची

दिनांक 8-06-2014

Annexure - III

विषय : वन-प्रमण्डल, गिरिडीह द्वारा दूरी की कागजात
में काफी दिक्कत का सामना करने के सम्बन्ध में,
सविनय निवेदन करना है कि मैं मों. सिराज,
ग्राम-बेजुडीह, थाना-धनवाट, गिरिडीह का हूँ। मैं
गिरिडीह वन प्रमण्डल चार माह से घुमते घुमते
काफी परेशानी के बाद मुझे दूरी का प्रमाणपत्र
दिया गया।

अतः श्री. मान् से नम्र निवेदन करता
हूँ कि इस तरह की परेशानी को दूर करने
की कृपा प्रदान करें। जिसके लिए श्री. मान्
का सदा आभारी रहूंगा। तथा दूसरे लोगों को
यह परेशानी नहीं होगी।

आप का विश्वासी

मों. अराज

(मों. सिराज)

बेजुडीह

सेवा में,

श्रीमान अध्याक्ष महोदय,

SEAC इन्टरवर्ज्ड यूवा राँची,

विषय :- खनन पट्टा के दूरी के संबंध में,

महोदय,

सविनय निवेदन यह है कि सर्वेजी. बी. एस. सी. सी. एस. सी. एनवी के पक्ष में पलामू जिला अन्वेषण विभाग- हरिहर गोंज में मौजा- चपरवार के फ्लॉट संख्या 471222 (अंका), रकबा- 0.50 एकड़ क्षेत्र पर 10 वर्षों के लिए खनन पट्टा स्वीकृत है। इसके दूरी के संबंध में फॉरेस्ट विभाग डाल्टेन गोंज माउंटनेस कोर्ट प्रताचार के द्वारा प्राप्त कले की कठिनाई की गई, भगार 0F-0 डाल्टेन गोंज द्वारा किसी भी प्रकार का सूचना प्राप्त नहीं हुई, जिसके चलते हमें EC सिग्नल में अनेकों बार मीटिंग में कठिनाई का सामना करना पड़ा। जबकि खनन पट्टा के दूरी फॉरेस्ट विभाग के नजमन 940 (सात सौ पचास) मीटर है।

अतः श्रीमान निवेदन है कि उपरोक्त दूरी पर विवास रहते हुए EC सिग्नल करने का कष्ट करें। अगर मानव्य में उक्त दूरी में किसी भी प्रकार का जाली पाये जाने पर EC रद्द कर दिया जाय। अतः उक्त दूरी को ध्यान में रखते हुए BSC-CAC JV निर्गत किया जाय, जिससे लिए हम आपके कार्यालय में रहेंगे, जिस राई को उचित हो सके, आपका विचारनी

SHIV BACHAN SINGH
 18/05/2011