

MINUTES OF THE 12th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 26th to 29th DECEMBER 2013

The 12th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 26th to 29th December 2013 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. En. S K. Singh - Member
3. Dr. R.P. Singh Sangu - Member
4. Prof. (Dr.) M.C. Mahata - Member
5. Prof (Dr) Shatrunjay Singh - Member
6. Dr M. Mahto - Secretary

At the outset the members of the committee went through the Minutes of 11th Meeting held from 20th to 23rd November 2013 and confirmed the same.

Various projects which were received by SEIAA after the previous SEAC meeting held from 20th to 23rd November, 2013 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).

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

1. Hardag Stone Mine M/s Ganga Construction, Village Hardag, District Ranchi, Jharkhand (2.4 Ha).

This is a Stone Mining Project for having an area of 2.4 Ha (Plot No 1965 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 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 not have any major impact on the surroundings. The indicated project cost is Rs 35 lakhs and a provision of Rs 2.9 lakhs will be kept for Environment management.

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

Mineable Reserve : 522912 t

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

1 st Year	:	47817 t
2 nd Year	:	51014 t
3 rd Year	:	51030 t
4 th Year	:	51319 t
5 th Year	:	53978 t

The PP has submitted certificates from Circle Officer, DFO and DMO. The committee was satisfied with the contents of same.

Based on the presentation made and information provided the Committee recommends that the proposal for Hardag Stone Mine M/s Ganga Construction, Village Hardag, District Ranchi, Jharkhand (2.4 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

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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 / 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).
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.

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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. 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.
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 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.

2. M/s Mahaprabhu Stone Mine, Village Dalabar, P.S-Nala, District Jamtara, Jharkhand.(0.607Ha).

This is a Stone Mining Project for having an area of 0.607 Ha (Plot No 70 Part). The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. As informed by PP he was carrying mining on permit basis. Subsequently he has got the Mine Lease w.e.f. 21.05.2012 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 16.5 lakhs and a provision of Rs 0.5 lakhs will be kept for Environment management.

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

Mineable Reserve : 55499 t

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

1 st Year	:	Nil
2 nd Year	:	5550 t
3 rd Year	:	5550 t
4 th Year	:	5550 t
5 th Year	:	5550 t

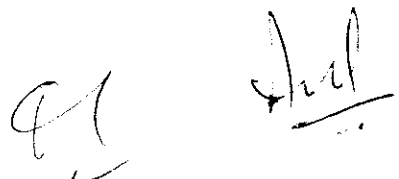
The PP has submitted certificates from Circle Officer and DFO. PP was asked to obtain a Certificate from DMO stating that there are no contiguous mining patches having total area more than 5 Ha and the area has not been leased out / mining operation is not being carried out over such area. In case there are contiguous virgin mining leases / Patches then the total sum area of these mining patches are to be considered as one mine and application is to made as per relevant provision / criteria for an area more than 5 Ha. PP has submitted a note no 1070 dated 27.12.2013 which states that there is no mining lease within 1 km of the mining lease of PP.

Based on the presentation made and information provided the Committee recommends that the proposal for M/s Mahaprabhu Stone Mine, Village Dalabar, P.S-Nala, District Jamtara, Jharkhand.(0.607Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

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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 / 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).
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.
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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. 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.
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.
1. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
2. 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.
3. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
4. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
5. 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.
6. 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.
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. A separate environmental management 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.

10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.

3. Duniser Stone Mine of M/s Sumeet Stone Works ,Village Duniser, P.S-Deori, District Giridih, Jharkhand.(1.61Ha).

This is a Stone Mining Project for having an area of 1.61 Ha. 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 executed w.e.f.25.09.2001 for a period of 10 years.

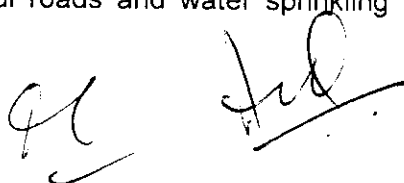
Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case. 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. During the meeting held from 22nd to 25th October 2013 PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. Requirement of water and its source
5. Distance from nearest Forest
6. Year-wise production details since grant of lease.
7. Undertaking from the Board / Management that there will not be any violation in future.

PP has submitted the above information.

It was noted that PP has not obtained consent from JSPCB. PP informed that application for consent shall be filed after receipt of EC. 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 not have any major impact on the surroundings. The indicated project cost is Rs 22 lakhs and a provision of Rs 2 lakhs will be kept for Environment management.

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

Mineable Proved Reserve : 7,90,004 t

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

1 st Year	:	64,481 t
2 nd Year	:	69,190 t
3 rd Year	:	70,133 t
4 th Year	:	77,279 t
5 th Year	:	75,713 t

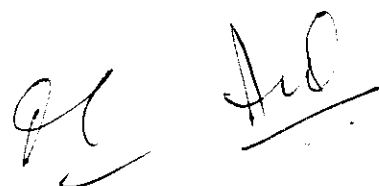
The PP has submitted certificates from Circle Officer, DFO and DMO. The committee was satisfied with the same.

Based on the presentation made and information provided the Committee recommends that the proposal for Duniser Stone Mine of M/s Sumeet Stone Works ,Village Duniser, P.S-Deori, District Giridih, Jharkhand.(1.61Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

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 / 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).
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.

Two handwritten signatures in black ink are located at the bottom right of the page. The first signature is a stylized 'PC' and the second is 'Ard'.

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. 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.
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

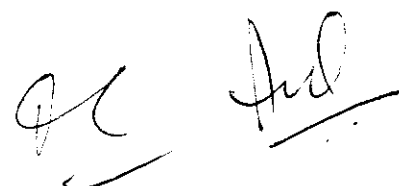
1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum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

4. Lalpur Stone Mine of M/s Usman Ansari, Village Lalpur, P.O. Kumirdhoba, P.S. Chandankyari, District Bokaro, Jharkhand (0.39 Ha).

This is a Stone Mining Project for having an area of 0.39 Ha (Plot No 1479). The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. PP has earlier carried out mining on this plot based on Permit obtained from DMO Bokaro. PP intends to obtain mining lease for the above plot for which he 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 impact on the surroundings. The indicated project cost is Rs 78 lakhs and provision will be kept for Environment management.

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

Mineable Reserve : 640500 t

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

1st Year : 36000 t
2nd Year : 36000 t

3 rd Year	:	36000 t
4 th Year	:	36000 t
5 th Year	:	36000 t

The PP has submitted certificates from Circle Officer, DFO and DMO..

Based on the presentation made and information provided the Committee recommends that the proposal for Lalpur Stone Mine of M/s Usman Ansari, Village Lalpur, P.O. Kumirdhoba, P.S. Chandankyari, District Bokaro, Jharkhand (0.39 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. 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 / 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).
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

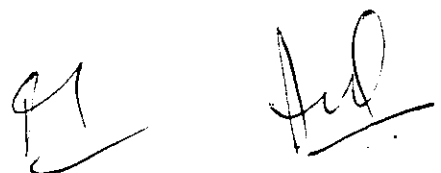
sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.

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. 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.
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 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 ,NOx (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.

5. M / s Jai Shankar Stone Works of Kameshwar Singh, Village Dalkoma, P.S. Huntergunj, District Chatra, Jharkhand (0.713 Ha).

This is a Stone Mining Project for having an area of 0.713 Ha (Plot No 191 & 193 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 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 impact on the surroundings. The indicated project cost is Rs 42.8 lakhs and a provision of Rs 3,4 lakhs has been kept for Environment management and an annual outlay of Rs 0.65 lakhs has also been kept. PP has also submitted undertakings for carrying out CSR activities, development of Green Belt and following statutory stipulations.

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

Mineable Reserve : 192730 t

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

1 st Year	:	30000 t
2 nd Year	:	30000 t
3 rd Year	:	30000 t
4 th Year	:	30000 t
5 th Year	:	30000 t

The PP has submitted certificates from Circle Officer, DFO and DMO..



Based on the presentation made and information provided the Committee recommends that the proposal of M / s Jai Shankar Stone Works of Kameshwar Singh, Village Dalkoma, P.S. Huntergunj, District Chatra, Jharkhand (0.713 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. 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 / 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).
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. 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.
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

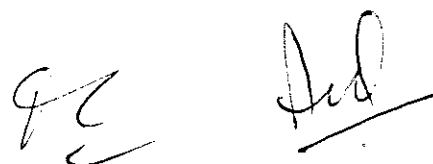
1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum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

6.M/s Sabashree Sheo Pathar Udyog of Dinesh Yadav, Village Chatrogoga, P.S. Jerwabari, District Shahibganj, Jharkhand (1.62 Ha).

This is a Stone Mining Project for having an area of 1.62 Ha (Plot No 1P, 8P & 9P). 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/EEMP 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 impact on the surroundings. The indicated project cost is Rs 52.8 lakhs and a provision of Rs 4.25 lakhs has been kept for Environment management and an annual outlay of Rs 1.5 lakhs has also been kept. PP has also submitted undertakings for carrying out CSR activities, development of Green Belt and following statutory stipulations.

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

Mineable Reserve : 590000 t

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


1 st Year	:	88400 t
2 nd Year	:	88400 t
3 rd Year	:	88400 t
4 th Year	:	88400 t
5 th Year	:	88400 t

The PP has submitted certificates from Circle Officer, DFO and DMO..

Based on the presentation made and information provided the Committee recommends that the proposal of M / s Sabashree Sheo Pathar Udyog of Dinesh Yadav, Village Chatrogoga, P.S. Jerwabari, District Shahibganj, Jharkhand (1.62 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. 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 / 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).
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



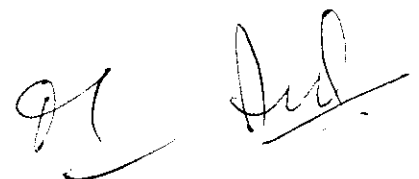
plant trees due to nature of land then PP will do necessary afforestation at other places / land.

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. 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.
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 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.

7. Markacho Stone Mine of M/ s Jai Mata Rani Stone Chips, Village Markacho, District Koderma, Jharkhand (4.0 Ha).

This is a Stone Mining Project for having an area of 4.0 Ha (Plot No 11563 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 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 impact on the surroundings. The indicated project cost is Rs 35 lakhs and a provision of Rs 4.5 lakhs will be kept for Environment management.

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

Mineable Reserve : 890000 t

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

1 st Year	:	52500 t
2 nd Year	:	52500 t
3 rd Year	:	52500 t
4 th Year	:	52500 t
5 th Year	:	52500 t

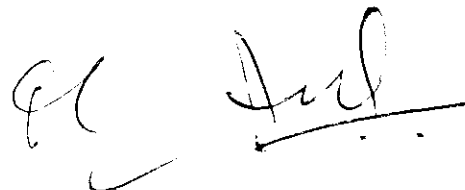
The PP has submitted certificates from Circle Officer, DFO and DMO. The committee was satisfied with the contents of same.

Based on the presentation made and information provided the Committee recommends that the proposal for Markacho Stone Mine of M/ s Jai Mata Rani Stone Chips, Village Markacho, District Koderma, Jharkhand (4.0 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

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B. Specific Conditions

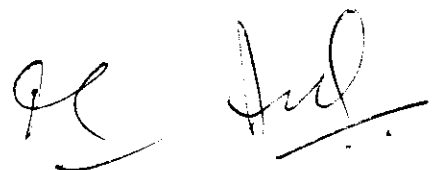
1. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.



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 / 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).
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. 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.



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 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.

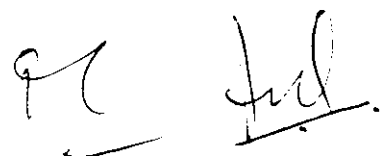
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. 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.

8. Chirodih Bauxite Mine Project of M/s P S Garg (Shri Vivek Garg), Village Chirodih, P.S. Bishnupur, Dist.- Gumla, Jharkhand (Area 16.59 Ha).

This is a Bauxite Mining Project having a lease area of 16.59 Ha. The mining lease area is bounded by latitude 23°20'13.7" to 23°20'43.5"N and longitude



84°15'34.4" to 84°15'49.7"E. The proposal is for renewal of mine lease which fell due from 15.03.2005 for production of 135925 TPA of bauxite. The Indian Bureau of Mines had approved the Mining Plan vide its letter no RAN/GML/BX/MS-09/2011-12 dated 04.04.2012. PP had applied to MOEF for grant of TOR. TOR's were issued to PP vide MOEF letter No J – 11015/211/2011- IA.II (M) dated 31.10.2012. Since this project falls under 'B1' Category MOEF has forwarded the file to SEIAA, Jharkhand for n.a. It is noted that PP has surrendered 7.97 Ha of Forest Land. PP alongwith his Consultant M / s Grass Roots Research and Creation India (P), Ltd, New Delhi made a presentation for grant of EC.

Public hearing was held on 20.07.2013. The issues raised during public hearing were also considered along with replies of points of TOR given by MOEF and discussed during the meeting. The estimated Capital cost of the Environment Protection Measures for the project, as mentioned in EIA / EMP Report, is Rs. 3.52 lakhs with annual recurring cost of Rs. 5.15 lakhs.

It has been noted that the production from the mine was enhanced without obtaining environmental clearance. The owner M/s Vivek Garg has submitted an undertaking and also an Affidavit stating that the violations of Environment (protection) Act, 1986 will not be repeated in the future. However no credible action has been initiated by the State Government.

The Committee in its meeting held from 20th to 23rd November had sought the following additional information;

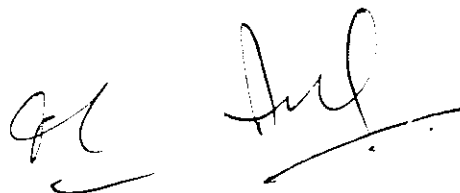
1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by BSPCB / JSPCB at the time of granting of Consent to establish and Consent to Operate.
3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Details of local flora and fauna and conservation plan for endangered species. Confirm that there is no elephant corridor in the study area.
5. Letter of acceptance of surrender (7.97 Ha) of Forest Land / Jungle / Jhari land by competent authority.
6. Based on Year-wise production details since 1994 it is a case of violation an undertaking from the Board / Management that there will not be any violation in future is to be submitted.

PP has submitted the above information. The committee went through the same in its meeting held from 26th to 29th December 2013. The committee was satisfied with the replies. PP was asked to submit details of credible action taken by State Government. PP has stated that he will provide SEAC with a copy of same shortly. PP has submitted the details

Based on the presentation made and information provided the Committee recommends that the proposal for Chirodih Bauxite Mine Project of M/s P S Garg (Shri Vivek Garg), Village Chirodih, P.S. Bishnupur, Dist.- Gumla, Jharkhand (Area 16.59 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. 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. All the conditions stipulated by the State Pollution Control Board in their NOC shall be effectively implemented.
3. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
4. Necessary permission from the Forest Department for transportation of mineral through the forest road shall be revalidated before restarting mining operation
5. The mining operations shall be restricted to above ground water table and it should not intersect 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.
6. The project proponent shall ensure that no natural watercourse 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.
7. Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.
8. The entire waste generated shall be backfilled and there shall be no external over burden dump left at the end of the mine life. The entire backfilled area shall be reclaimed by plantation. The back filling should be carried out in such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
9. Catch drains and siltation ponds of appropriate size should be constructed for the working pit, temporary OB dumps, if any and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
10. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and temporary dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.

The image shows two handwritten signatures or initials in black ink. The one on the left is a stylized 'SC' with a horizontal line underneath. The one on the right is a more complex signature, possibly 'Anil', with a horizontal line underneath.

11. Dimension of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rain fall data.
12. Plantation shall be raised in the 7.5m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
13. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. 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 authority 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./ auihority.
15. Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office / Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority
16. The project authorities should obtain prior approval of the competent authority for drawl 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 / Authority.
18. Vehicular emissions should 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 vehicles should be covered with a tarpaulin and shall not be overloaded.
19. Blasting operation should be carried out only during the daytime. Controlled blasting should 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 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. 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. Consent to operate should be obtained from JSPCB before starting production from the mine.

B. General Conditions

1. No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
2. No change in the calendar plan including excavation, quantum of mineral bauxite and waste should be made.
3. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
4. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
5. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for SPM / RSPM (PM10 and PM 2.5) levels, SO₂ & NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
6. 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. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
7. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
8. Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from workshop.

9. 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.
10. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Dispensary facilities for First Aid shall be provided at site.
11. A separate environmental management 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.
12. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
13. 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.
14. 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.
15. 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.
16. 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. JSPCB should display a copy of the clearance letter at the Regional Office, District Industry Centre and DC's, Circle Officer's Office for 30 days. The project authorities should also advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the J h a r k h a n d State Pollution Control Board
17. 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.

18. 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. 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.
3. The Environmental Clearance accorded shall be valid for the period of renewal of lease (generally 20 years) or for 30 years whichever is less. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. 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.
5. 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.
6. 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.

9. Tuimu Bauxite Mine Project of M/s Beena Pani Agrawal, Village Tuimu & Hurmur, P.S. Senha, Dist.- Lohardaga, Jharkhand (Area 46.94 Ha).

This is a Bauxite Mining Project having a lease area of 46.94 Ha. The mining lease area is bounded by latitude 23°23'06" to 23°23'30.87"N and longitude 84°30'23.76" to 84°30'57.77"E. The proposal is for renewal of mine lease which fell due from 15.03.2005 for production of 359993 TPA of bauxite. The Indian Bureau of Mines had approved the Mining Plan vide its letter no 314(3)/2011/MCCM(C)/MP-35 dated 21.06.2012. PP had applied to MOEF for grant of TOR. TOR's were issued to PP vide MOEF letter No J – 11015/211/2011- IA.II (M) dated 30.04.2012. Since this project falls under 'B1' Category MOEF has forwarded the file to SEIAA, Jharkhand for n.a. It is noted that PP has surrendered 0.13 Ha of Forest Land. PP alongwith his Consultant M / s Grass Roots Research and Creation India (P), Ltd, New Delhi made a presentation for grant of EC.

Public hearing was held on 16.11.2012. The issues raised during public hearing were also considered along with replies of points of TOR given by MOEF and discussed during the meeting. The estimated Capital cost of the Environment

Protection Measures for the project, as mentioned in EIA / EMP Report, is Rs. 3.52 lakhs with annual recurring cost of Rs. 5.15 lakhs.

It has been noted that the production from the mine was enhanced without obtaining environmental clearance. In this regard the prosecution report has been filed in the Court of Chief Judicial Magistrate, Loharadaga on 19.12.2013 vide Case No. C-III/08/ 2013 to take cognizance of offence by the said court under section 19 of Environment (Protection) Act, which has been committed by the offending project. The same is a punishable offence under section 15 of Environment (Protection) Act, The Management Committee resolution stating that the violations of Environment (protection) Act, 1986 will not be repeated in the future has been passed at the meeting of the management committee held on 10.02.2012.

The Committee in its meeting held from 20th to 23rd November had sought the following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by BSPCB / JSPCB at the time of granting of Consent to establish and Consent to Operate.
3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Details of local flora and fauna and conservation plan for endangered species. Confirm that there is no elephant corridor in the study area.
5. Copy of letter of acceptance of surrender (0.13 Ha) of Forest Land / Jungle / Jhari land by competent authority (C.O.).
6. Copy of MOEF letter No J – 11015/211/2011- IA.II (M) dated 30.04.2012 whereby TOR's were issued.

PP has submitted the above information. The committee went through the same in its meeting held from 26th to 29th December 2013. The committee was satisfied with the replies. PP was asked to submit details of credible action taken against Tuimu Bauxite mine. PP has submitted the details vide his letter dated 31.12.2013.

Based on the presentation made and information provided the Committee recommends that the proposal for Tuimu Bauxite Mine Project of M/s Beena Pani Agrawal, Village Tuimu & Hurmur, P.S. Senha, Dist.- Lohardaga, Jharkhand (Area 46.94 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. 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. All the conditions stipulated by the State Pollution Control Board in their NOC shall be effectively implemented.

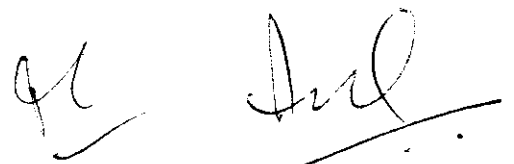
3. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
4. Necessary permission from the Forest Department for transportation of mineral through the forest road shall be revalidated before restarting mining operation
5. The mining operations shall be restricted to above ground water table and it should not intersect 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.
6. The project proponent shall ensure that no natural watercourse 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.
7. Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.
8. The entire waste generated shall be backfilled and there shall be no external over burden dump left at the end of the mine life. The entire backfilled area shall be reclaimed by plantation. The back filling should be carried out in such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
9. Catch drains and siltation ponds of appropriate size should be constructed for the working pit, temporary OB dumps, if any and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
- 9A. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and temporary dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.
10. Dimension of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rain fall data.
11. Plantation shall be raised in the 7.5m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.

12. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
13. The project authority 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./ authority.
14. Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office / Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority
15. The project authorities should obtain prior approval of the competent authority for drawl 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 / Authority.
17. Vehicular emissions should 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 vehicles should be covered with a tarpaulin and shall not be overloaded.
18. Blasting operation should be carried out only during the daytime. Controlled blasting should 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 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. 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.
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. Consent to operate should be obtained from JSPCB before starting production from the mine.

B. General Conditions

1. No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
2. No change in the calendar plan including excavation, quantum of mineral bauxite and waste should be made.
3. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
4. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
5. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for SPM / RSPM (PM10 and PM 2.5) levels , SO₂ & NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
6. 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. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
7. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
8. Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from workshop.
9. 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.
10. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Dispensary facilities for First Aid shall be provided at site.

Two handwritten signatures in black ink are located at the bottom right of the page. The first signature is a cursive 'SC' and the second is a more complex cursive signature.

11. A separate environmental management 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.
12. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
13. 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.
14. 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.
15. 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.
16. 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. JSPCB should display a copy of the clearance letter at the Regional Office, District Industry Centre and DC's, Circle Officer's Office for 30 days. The project authorities should also advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the J h a r k h a n d State Pollution Control Board.
17. 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.
18. 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. 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.
3. The Environmental Clearance accorded shall be valid for the period of renewal of lease (generally 20 years) or for 30 years whichever is less. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. 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.
5. 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.
6. 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.

10. New Amtipani Bauxite Mine Project of M/s Awadhesh Kumar Singh, P.O. Chandwa, Dist.- Gumla, Jharkhand (Area 49.069 Ha).

This is a Bauxite Mining Project having a lease area of 49.069 Ha. The mining lease area is located at latitude 23°21'24.4" to 23°21'47.7"N and longitude 84°16'23.5"E to 84°16'46.9"E. The proposal is for renewal of mine lease which fell due from 26.05.2005 for production of 301742 TPA of bauxite. The Indian Bureau of Mines had approved the Mining Plan vide its letter no 314(3)/2012/MCCM(C)/S-27/54 dated 22.03.2012. PP had applied to MOEF for grant of TOR. TOR's were issued to PP vide MOEF letter J – 11015/211/2011- IA.II (M) dated 30.03.2012. Since this project falls under 'B1' Category MOEF has forwarded the file to SEIAA, Jharkhand for n.a. It is noted that PP has surrendered 9.44 Ha of Forest Land. Circle Officer, Bishunpur has forwarded the proposal for surrender of land vide his letter no 771 dated 19.12.2013 to Sub Divisional Officer, Gumla. PP along with his Consultant M / s Grass Roots Research and Creation India (P), Ltd, New Delhi made a presentation for grant of EC.

Public hearing was held on 11.07.2013. The issues raised during public hearing were also considered along with replies of points of TOR given by MOEF and discussed during the meeting. The estimated Capital cost of the Environment Protection Measures for the project, as mentioned in EIA / EMP Report, is Rs. 3.52 lakhs with annual recurring cost of Rs. 3.52 lakhs.

It has been noted that the production from the mine was enhanced without obtaining environmental clearance. In this regard the prosecution report has been filed in the Court of Chief Judicial Magistrate, Gumla on 19.12.2013 vide Case No. CII - 39/2013 to take cognizance of offence by the said court under section 19 of Environment (Protection) Act, which has been committed by the offending project. The same is a punishable offence under section 15 of Environment (Protection) Act, The Managing Committee resolution stating that the

violations of Environment (protection) Act, 1986 will not be repeated in the future has been passed at the meeting of the managing committee held on 10.02.2012.

The Committee in its meeting held from 20th to 23rd November had sought the following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by BSPCB / JSPCB at the time of granting of Consent to establish and Consent to Operate.
3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Details of local flora and fauna and conservation plan for endangered species. Confirm that there is no elephant corridor in the study area.
5. Letter of acceptance of surrender (9.44 Ha) of Forest Land / Jungle / Jhari land by competent authority.
6. Copy of MOEF letter No J – 11015/211/2011- IA.II (M) dated 30.03.2012 whereby TOR's were issued.

PP has submitted the above information. The committee went through the same in its meeting held from 26th to 29th December 2013. The committee was satisfied with the replies. PP was asked to submit details of credible action taken against New Amtipani Bauxite mine. PP has submitted the details vide his letter dated 31.12.2013.

Based on the presentation made and information provided the Committee recommends that the proposal for New Amtipani Bauxite Mine Project of M/s Awadhesh Kumar Singh, P.O. Chandwa, Dist.- Latehar, Jharkhand (Area 49.069 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. 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. All the conditions stipulated by the State Pollution Control Board in their NOC shall be effectively implemented.
3. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
4. Necessary permission from the Forest Department for transportation of mineral through the forest road shall be revalidated before restarting mining operation
5. The mining operations shall be restricted to above ground water table and it should not intersect 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.

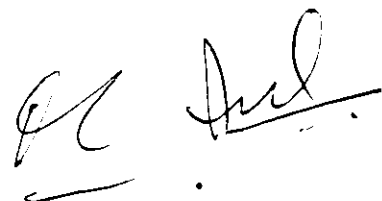
6. The project proponent shall ensure that no natural watercourse shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating/passing through the mine lease area during the course of mining operation.
7. Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.
8. The entire waste generated shall be backfilled and there shall be no external over burden dump left at the end of the mine life. The entire backfilled area shall be reclaimed by plantation. The back filling should be carried out in such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
9. Catch drains and siltation ponds of appropriate size should be constructed for the working pit, temporary OB dumps, if any and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
10. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and temporary dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.
11. Dimension of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rain fall data.
12. Plantation shall be raised in the 7.5m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
13. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. 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 authority 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./ authority.

15. Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office / Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority
16. The project authorities should obtain prior approval of the competent authority for drawl 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 / Authority.
18. Vehicular emissions should 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 vehicles should be covered with a tarpaulin and shall not be overloaded.
19. Blasting operation should be carried out only during the daytime. Controlled blasting should 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 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. 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. Consent to operate should be obtained from JSPCB before starting production from the mine.

B. General Conditions

1. No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.

2. No change in the calendar plan including excavation, quantum of mineral bauxite and waste should be made.
3. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
4. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
5. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for SPM / RSPM (PM10 and PM 2.5) levels , SO₂ & NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
6. 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. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
7. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
8. Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from workshop.
9. 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.
10. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Dispensary facilities for First Aid shall be provided at site.
11. A separate environmental management 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.
12. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.

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13. 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.
14. 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.
15. 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.
16. 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. JSPCB should display a copy of the clearance letter at the Regional Office, District Industry Centre and DC's , Circle Officer's Office for 30 days. The project authorities should also advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the J h a r k h a n d State Pollution Control Board
17. 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.
18. 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. 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.
3. The Environmental Clearance accorded shall be valid for the period of renewal of lease (generally 20 years) or for 30 years whichever is less. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. 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.

5. 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.
6. 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.

11. Amtipani Bauxite Mine Project of M/s B N Mahendru, Village Amtipani, P.O. Bishnupur, Dist.- Gumla, Jharkhand (Area 26.30 Ha).

This is a Bauxite Mining Project having a lease area of 46.94 Ha. The mining lease area is located at latitude 23°21'24.8"N and longitude 84°16'22"E. The proposal is for renewal of mine lease which fell due from 31.07.2005 for production of 150658 TPA of bauxite. The Indian Bureau of Mines had approved the Mining Plan vide its letter no RAN/GML/BX/MS-09/2012-13 dated 04.04.2013. PP had applied to MOEF for grant of TOR. TOR's were issued to PP vide MOEF letter No J – 11015/211/2011- IA.II (M) dated 15.05.2012, Since this project falls under 'B1' Category MOEF has forwarded the file to SEIAA, Jharkhand for n.a. It is noted that PP has surrendered 8.74 Ha of Forest Land. Circle Officer, Bishunpur has forwarded the proposal for surrender of land vide his letter no 771 dated 19.12.2013. PP alongwith his Consultant M / s Grass Roots Research and Creation India (P), Ltd, New Delhi made a presentation for grant of EC.

Public hearing was held on 11.07.2013. The issues raised during public hearing were also considered along with replies of points of TOR given by MOEF and discussed during the meeting. The estimated Capital cost of the Environment Protection Measures for the project, as mentioned in EIA / EMP Report, is Rs. 3.52 lakhs with annual recurring cost of Rs. 5.15 lakhs.

It has been noted that the production from the mine was enhanced without obtaining environmental clearance. In this regard the prosecution report has been filed in the Court of Chief Judicial Magistrate, Gumla on 19.12.2013 vide Case No. CII 38/2013 to take cognizance of offence by the said court under section 19 of Environment (Protection) Act, which has been committed by the offending project. The same is a punishable offence under section 15 of Environment (Protection) Act, The Managing Committee resolution stating that the violations of Environment (protection) Act, 1986 will not be repeated in the future has been passed at the meeting of the managing committee held on 07.02.2012.

The Committee in its meeting held from 20th to 23rd November had sought the following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by BSPCB / JSPCB at the time of granting of Consent to establish and Consent to Operate.

3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Details of local flora and fauna and conservation plan for endangered species. Confirm that there is no elephant corridor in the study area.
5. Letter of acceptance of surrender (8.74 Ha) of Forest Land / Jungle / Jhari land by competent authority.
6. Copy of MOEF letter No J – 11015/211/2011- IA.II (M) dated 15.05.2012 whereby TOR's were issued.

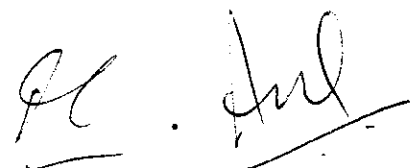
PP has submitted the above information. The committee went through the same in its meeting held from 26th to 29th December 2013. The committee was satisfied with the replies. PP was asked to submit details of credible action taken against Amtipani Bauxite mine. PP has submitted the details vide his letter dated 31.12.2013.

Based on the presentation made and information provided the Committee recommends that the proposal for Amtipani Bauxite Mine Project of M/s B N Mahendru, Village Amtipani, P.O. Bishnupur, Dist.- Gumla, Jharkhand (Area 26.30 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. 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. All the conditions stipulated by the State Pollution Control Board in their NOC shall be effectively implemented.
3. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
4. Necessary permission from the Forest Department for transportation of mineral through the forest road shall be revalidated before restarting mining operation
5. The mining operations shall be restricted to above ground water table and it should not intersect 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.
6. The project proponent shall ensure that no natural watercourse 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.
7. Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.

8. The entire waste generated shall be backfilled and there shall be no external overburden dump left at the end of the mine life. The entire backfilled area shall be reclaimed by plantation. The backfilling should be carried out in such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
9. Catch drains and siltation ponds of appropriate size should be constructed for the working pit, temporary OB dumps, if any and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
10. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and temporary dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.
11. Dimension of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rain fall data.
12. Plantation shall be raised in the 7.5m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
13. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. 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 authority 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./ authority.
15. Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office / Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority
16. The project authorities should obtain prior approval of the competent authority for drawl of water required for the project.

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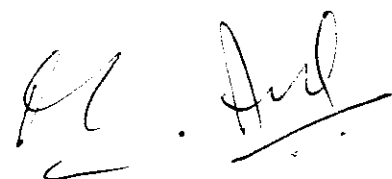
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority.
18. Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.
19. Blasting operation should be carried out only during the daytime. Controlled blasting should 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 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. 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. Consent to operate should be obtained from JSPCB before starting production from the mine.

B. General Conditions

1. No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
2. No change in the calendar plan including excavation, quantum of mineral bauxite and waste should be made.
3. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
4. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
5. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for SPM / RSPM (PM10 and PM 2.5) levels, SO₂ &

NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

6. 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. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
7. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
8. Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from workshop.
9. 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.
10. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Dispensary facilities for First Aid shall be provided at site.
11. A separate environmental management 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.
12. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
13. 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.
14. 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.
15. 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.

16. 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. JSPCB should display a copy of the clearance letter at the Regional Office, District Industry Centre and DC's , Circle Officer's Office for 30 days. The project authorities should also advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the J h a r k h a n d State Pollution Control Board
17. 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.
18. 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. 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.
3. The Environmental Clearance accorded shall be valid for the period of renewal of lease (generally 20 years) or for 30 years whichever is less. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. 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.
5. 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.
6. 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.

12. OSD Coke Private LTD. (Unit 2), BIADA, Kandra Industrial Area, Bhitia, District Dhanbad, Jharkhand

M/s OSD Coke Private Limited have proposed for setting up of Coke Oven Plant (45,000 TPA), Coal washery (90,000 TPA), slurry washery (60,000 TPA) and Briquette Plant (33,000 TPA) at Bokaro Industrial Area Development Authority (BIADA), Kandra Industrial Area, Bhitia, District Dhanbad, Jharkhand. Proposed plant will be set up in 5.5 acres. The land is within the existing Industrial Area of BIADA. Green belt will be developed in 1.8 acres out of total 5.5 acres. No national park / wild life sanctuary is located within 10 Km. Dhangi reserve forest is located at a distance of 2.5 Km. Khudia Nadi flows at a distance of 2.2 Km and Jauria Nallah flows at a distance of 4.2 Km from the project Site. Total cost of the project is Rs. 14.80 Crores. Rs 0.81 Crores and Rs. 0.16 Crores are earmarked towards capital cost and recurring cost per annum for pollution control measures.

Sl. No.	Manufacturing Items	Plant Capacity		Manufacturing Technology
		TPD	TPA	
1	Hard Coke	136	45000	Non Recovery Coke Ovens
2	Beneficiated Coal	300	90000	Coal Washery (Hydro-Cyclone)
3	Beneficiated Slurry	200	60000	Slurry Washery (Froth Flotation)
4	Briquette	110	33000	Briquette Plant

The proposed project is a Category B project as per the Schedule of EIA Notification 2006. MOEF has forwarded the proposal to SEIAA Jharkhand for consideration of grant of EC.

The project authorities and their consultant, M/s Visiontek Consultants, Bhubaneswar gave a detailed presentation on the salient features of the project and proposed environmental Protection measures to be undertaken as per Terms of References (TORs) awarded during the 35th meeting of the Expert Appraisal Committee (Industry - 1) held on 26th – 27th April, 2012 for preparation of EIA / EMP.

Coal (90,000 TPA) and raw slurry (60,000 TPA) will be used as raw materials. These will be sourced from Bharat Coking Coal Ltd. Coal will be burnt for manufacturing low ash coke.

Ambient air quality monitoring was carried within the study area for PM 2.5, PM10, SO2 and NOx. The maximum values of these parameters are 50.66 µg/m³, 98.08 µg/m³, 36.84 µg/m³ and 34.38 µg/m³ respectively. The results of the modeling study indicates that the maximum increase of GLC for the proposed project is 1.08 µg/m³ with respect to the PM10, 2.58 µg/m³ with respect to the SO2 and 0.018 µg/m³ with respect to the NOx. The GLC predicted at all receptor locations after the proposed expansion are within the limits.

Total water requirement as estimated is 60 m³ /day. Water will be made available by BIADA. No liquid effluent will be discharged due to adoption of closed loop system. Only make up water will be fed into the plant. The treated effluent will be used for ash conditioning, dust suppression and green belt development. Domestic effluent will be

treated in septic tank followed by soak pit. No effluent will be discharged outside the premises and Zero discharge will be adopted. The rejects from coal washery and slurry washery will be sold / used in Briquette plant. Power (375 Kw) will be sourced from JSEB. D.G. sets (2 Nos 200 KVA) will be installed for emergency

Based on the presentation made and information provided the Committee recommends that the proposal for OSD Coke Private LTD.(Unit 2), BIADA, Kandra Industrial Area, Bhitia, District Dhanbad, Jharkhand be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

A. Special Conditions

1. Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided.
2. Stack monitoring facilities for all the major stacks and adequate air pollution control systems viz. dust catchers or cyclones, Multi stage scrubber, bag filters etc. to control particulate emissions to within the prescribed limits from coke oven shall be provided. Carbon mono-oxide (CO) shall also be monitored alongwith other parameters and standards notified under E (P) Act shall be followed. The reports shall be submitted to JSPCB at Ranchi to the nearest regional office of JSPCB.
3. Multi stage scrubber shall be installed to control gaseous and dust emission from the coke oven stack. Measures shall be taken to prevent leakages from the coke oven plant.
4. The prescribed emission standards for coke oven plants, as notified vide notification no. GSR 46 (E) dated 3rd February, 2006 and subsequently amended shall be complied with.
5. In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant and coke sorting plant of coke oven plant. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.
6. Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
7. Total requirement of the water shall not exceed 60 m³ /day. All the treated wastewater shall be recycled for dust suppression and green belt development. Domestic wastewater shall be treated in septic tank followed by soak pit and used for green belt development. Zero effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
8. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Rain water harvesting as proposed in the Report will be implanted in two nearby villages. The scheme has to be got approved from Ground Water Directorate, Government of Jharkhand / Central Ground Water Authority / Board.

9. Waste from the hard coke unit, shall be provided to the briquette manufacturing units. Coal and coke fines shall be recycled and reused in the process. Coal washery rejects will be used judiciously. The bag filter dust shall be used for land filling. The waste oil shall be properly disposed off as per the Hazardous Waste (Management, Handling, Handling and Transboundary Movement) Rules, 2008.
10. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
11. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash and washery rejects shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.
12. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the covered vehicles only and vehicles should not be overloaded. Vehicular emissions should be regularly monitored.
13. As proposed, green belt shall be developed in 33% of plant area within and around the project site to mitigate the impact of fugitive emissions as per the CPCB guidelines in consultation with local DFO.
14. The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Coke Oven Plants shall be implemented.
15. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the JSPCB within 3 months of issue of environment clearance letter.
16. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the JSPCB. Implementation of such program should be ensured accordingly in a time bound manner.
17. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. General conditions

1. No change in process technology should be made without prior approval of the Statutory authorities , Jharkhand State Pollution Control Board, Ranchi during the EC period.



2. 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.
3. The Project proponent shall maintain register for production and dispatch and submit return to Jharkhand State Pollution Control Board, Ranchi.
4. The Project proponent shall not cut trees / carry out tree felling in plant area without the permission of competent authority.
5. 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.
6. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
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. A separate environmental management 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.
10. 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 .
11. 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.
12. 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.
13. 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.
14. 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.

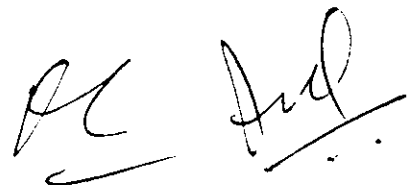
15. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along the status of compliance of EC conditions and shall also be put to the concerned Regional Office of JSPCB by e-mail.
16. All statutory clearances shall be obtained before start of plant 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 a period of five (5) years. The PP shall not increase production rate and make modifications in process 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.

13. OSD Coke Private LTD.(Unit 2), Village Amjhore, P.O. Baliapur, District Dhanbad, Jharkhand

M/s OSD Coke Private Limited have proposed for expansion of their Coke Oven Plant (39,600 TPA additional) and set up a Coal washery (75,000 TPA) at Village Amjhore, P.O. Baliapur, District Dhanbad, Jharkhand. Proposed plant will be set up in 4.39 acres of land which is already in possession of PP. Area for Green belt has been kept as 1.45 acres out of total 4.39 acres. No national park / wild life sanctuary is located within 10 Km. Dhangi reserve forest is located at a distance of 11 Km. Gati Nadi flows at a distance of 2 Km and Damodar River flows at a distance of 12 Km from the project Site. Total cost of the expansion project is Rs. 2.59 Crores. Rs 0.26 Crores and Rs. 0.13 Crores are earmarked towards capital cost and recurring cost per annum for pollution control measures.



Sl. No	Manufacturing Items	Plant Capacity				Manufacturing Technology
		TPD		TPA		
		Existing	Proposed	Existing	Proposed	
1	Hard Coke	128	132	38400	39600	Non Recovery Coke Ovens
2	Beneficiated Coal	-	250	-	75000	Coal Washery (Hydro-Cyclone)

All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 7th August, 2012 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to The reports shall be submitted to JSPCB at Ranchi to the nearest regional office of JSPCB.

The proposed project is a Category B project as per the Schedule of EIA Notification 2006. MOEF has forwarded the proposal to SEIAA Jharkhand for consideration of grant of EC.

The project authorities and their consultant, M/s Visiontek Consultants, Bhubaneswar gave a detailed presentation on the salient features of the project and proposed environmental Protection measures to be undertaken as per Terms of References (TORs) awarded during the 24th meeting of the Expert Appraisal Committee (Industry - 1) held on 19th – 20th May 2011 for preparation of EIA / EMP.

Coal (114,600 TPA) will be used as raw material. These will be sourced from Bharat Coking Coal Ltd./ IISCO / Coal will be washed and later burnt for manufacturing coke.

Ambient air quality monitoring was carried within the study area for PM 2.5, PM10, SO2 and NOx. The maximum values of these parameters are 43.3 µg/m³, 68.88 µg/m³, 14.11 µg/m³ and 39.11 µg/m³ respectively. The results of the modeling study indicates that the maximum increase of GLC for the proposed project is 0.12 µg/m³ with respect to the PM10, 0.07 µg/m³ with respect to the SO2 and 0.008 µg/m³ with respect to the NOx. The GLC predicted at all receptor locations after the proposed expansion are within the limits.

Total water requirement as estimated is 70 m³ /day. Water will be drawn through Bore Wells. Central Ground Water Authority has vide its letter NO 21-4(126)/MER/CGWA/2012 – 146 has stated that NOC for drawl of water is not required as the area falls under safe category. No liquid effluent will be discharged due to adoption of closed loop system. The treated effluent will be used for ash conditioning, dust suppression and green belt development. Domestic effluent will be treated in septic tank followed by soak pit. No effluent will be discharged outside the premises and Zero discharge will be adopted. The rejects from coal washery will be sold to Briquette manufacturing / Red Brick manufacturing plants. Power (100 KVA for expansion) will be sourced from JSEB.

Based on the presentation made and information provided the Committee recommends that the proposal for OSD Coke Private LTD.(Unit 2), Village Amjhore, P.O. Baliapur, District Dhanbad, Jharkhand be recommended for

consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

A. Special Conditions

1. Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided.
2. Stack monitoring facilities for all the major stacks and adequate air pollution control systems viz. dust catchers or cyclones, Multi stage scrubber, bag filters etc. to control particulate emissions to within the prescribed limits from coke oven shall be provided. Carbon mono-oxide (CO) shall also be monitored alongwith other parameters and standards notified under E (P) Act shall be followed. The reports shall be submitted to JSPCB at Ranchi to the nearest regional office of JSPCB.
3. Multi stage scrubber shall be installed to control gaseous and dust emission from the coke oven stack. Measures shall be taken to prevent leakages from the coke oven plant.
4. The prescribed emission standards for coke oven plants, as notified vide notification no. GSR 46 (E) dated 3rd February, 2006 and subsequently amended shall be complied with.
5. In-plant control measures like bag filters, de-dusting and dust suppression system shall be provided to control fugitive emissions from all the vulnerable sources. Dust extraction and suppression system shall be provided at all the transfer points, coal handling plant and coke sorting plant of coke oven plant. Bag filters shall be provided to hoods and dust collectors to coal and coke handling to control dust emissions. Water sprinkling system shall be provided to control secondary fugitive dust emissions generated during screening, loading, unloading, handling and storage of raw materials etc.
6. Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
7. Total requirement of the water shall not exceed 70 m³ /day. All the treated wastewater shall be recycled for dust suppression and green belt development. Domestic wastewater shall be treated in septic tank followed by soak pit and used for green belt development. Zero effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
8. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Rain water harvesting as proposed in the Report will be implanted in two nearby villages. The scheme has to be got approved from Ground Water Directorate, Government of Jharkhand / Central Ground Water Authority / Board.
9. Waste from the hard coke unit, shall be provided to the briquette manufacturing units. Coal and coke fines shall be recycled and reused in the process. Coal washery rejects will be used judiciously. The bag filter dust shall be used for land filling. The waste oil shall be properly disposed off as per the Hazardous Waste (Management, Handling, Handling and Transboundary Movement) Rules, 2008.

10. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
11. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash and washery rejects shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.
12. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the covered vehicles only and vehicles should not be overloaded. Vehicular emissions should be regularly monitored.
13. As proposed, green belt shall be developed in 33% of plant area within and around the project site to mitigate the impact of fugitive emissions as per the CPCB guidelines in consultation with local DFO.
14. The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Coke Oven Plants shall be implemented.
15. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the JSPCB within 3 months of issue of environment clearance letter.
16. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the JSPCB. Implementation of such program should be ensured accordingly in a time bound manner.
17. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. General conditions

1. No change in process technology should be made without prior approval of the Statutory authorities , Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. 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.
3. The Project proponent shall maintain register for production and dispatch and submit return to Jharkhand State Pollution Control Board, Ranchi.
4. The Project proponent shall not cut trees / carry out tree felling in plant area without the permission of competent authority.

5. 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.
6. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
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. A separate environmental management 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.
10. 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 .
11. 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.
12. 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.
13. 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 ,NOx (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.
14. 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.
15. 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.

16. All statutory clearances shall be obtained before start of plant 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 a period of five (5) years. The PP shall not increase production rate and make modifications in process 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. Expansion of Mosabani Copper Ore Concentration Plant from 0.612 MTPA to 0.9 MTPA of M/s Hindustan Copper Limited at Village Badia, Block Mosabani District, East Singhbhum, Jharkhand.

The Project is for expansion of Mosabani Copper Ore Concentration Plant from 0.612 MTPA to 0.9 MTPA which is spread over an area of 38.45 Ha. The original application was submitted to EAC of Mining Projects vide letter no HCL/HO/EIA/EMP/MSB CONC/MoEF/2012 dated 3rd October 2012 which has been forwarded to SEIAA for consideration at State Level. The salient details of the Project are as follows:

1. Plant started operations in 1978
2. Plant Processing Capacity of Copper Ore

Prior to 1994 (Maximum)	8,88,255 TPA (1988 – 89)
After 1994 (Maximum)	7,78,306 TPA (1996 – 97)
Present (Existing)	6,12,000 TPA
Proposed	9,00,000 TPA

- | | | |
|----|-----------------------------|---|
| 3. | Production of Concentrate | |
| | Existing | 23,000 TPA |
| | Proposed | 33,800 TPA |
| 4. | Method of work / process | Crushing, Grinding followed by Froth Floatation |
| 5. | Waste Generation (Tailings) | 8,66,200 TPA |

The Committee noted that as per EIA Notification 2006 item 2(b) Mineral Beneficiation Projects having throughput of less than 0.1 MTPA fall under B Category and above 0.1 MTPA fall under A Category. Under item 3(a) Metallurgical Industries (ferrous and non – ferrous) Secondary metallurgical processing industry i) All toxic and heavy metal producing units having capacity less than 20,000 TPA fall under B category and more than 20,000 TPA fall under A Category. The Project is for expansion of Mosabani Copper Ore Concentration Plant from 0.612 MTPA to 0.9 MTPA (increase of production of concentrate from 23,000 TPA to 33,800 TPA i.e by 10,800TPA). The Committee felt that this Project should be considered as Category A Project. This has also been mentioned in Form I submitted alongwith the application. However since this proposal has been forwarded by MOEF for consideration at State level the Committee asked the PP and their Consultant M/s MECON Limited to make the presentation.

It was learnt that the Surda Mine which is the primary source of raw material is operating without EC and is a case of violation. It was learnt that PP was issued closure notice and was also told by JSPCB to stop mining from this mine. PP pleaded that closure will lead to technological problems and informed that the case of renewal of mining lease is under process and they have applied for EC to MOEF. It was also learnt that PP had filed a case for stay on closure of Surda Mine. It was informed by PP that stay has been granted on 21.11.2013.

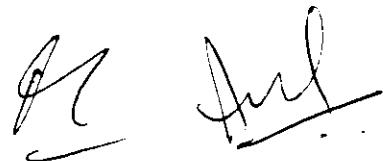
In view of the various issues like discharge of tailings, water source and discharge, etc. the committee felt that a site visit is essential to assess the situation prior to recommendation of TOR's. The visit was undertaken by a team consisting of Prof (Dr) Shatrunjay Singh and Shri S K Singh Members, SEAC and Shri A K Saxena, Chairman SEAC on 24th November 2013. PP was also asked to get an Environmental audit carried out so that remedial measures can be taken up during the expansion of the Concentrator Plant. During the visit the team had desired additional information which the PP has submitted.

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 22nd to 25th October and 20th to 23rd November 2013, site visit and discussions the Committee suggests the following TORs for consideration of SEIAA for undertaking detailed EIA / EMP study. It was also decided to request SEIAA that in case it feels appropriate then it may obtain clarification regarding category of project that whether it is Category A or Category B from MOEF.

Based on the information furnished and presentation made, the Committee prescribed the following TORs for undertaking detailed EIA study:-

1. Executive summary of the project.
2. Photographs of the proposed plant area.
3. A line diagram/flow sheet for the process and EMP
4. Outcome of Environmental Audit and the suggested remedial measures are to be included in the Report.
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. All corner coordinates of the project area superimposed on toposheet should be provided.
10. Details of the technology and process involved in the project may be furnished.
11. The study area will comprise of 10 km zone around the project area and the data contained in the EIA such as waste generation etc should be for the life of the project.
12. Land use of the study area delineating forest area, agricultural land, grazing land, waste land, built up area should be provided.
13. The land requirement should be optimized and furnished.
14. Land use plan of the project area should be provided. This should encompass pre-operational, operational and post operational phases. Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, 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.
15. Detailed material balance to be provided
16. Location of the proposed plant w.r.t. the source of raw material and mode of transportations of the ore from mines to the beneficiation plant, and outbound movement of the products should be provided. Steps proposed to be taken to protect the ore from getting air borne to be given.
17. A list of industries within 10 km radius of the plant area should be included in the EIA / EMP Report.

18. Action plan for solid / hazardous waste generation, storage, utilization and disposal from all the sources should also be included.
19. Details of the solid waste to be generated and its management. Adequacy of the tailing pond for the life of the beneficiation plant should be provided with supporting data and documentation. Design and capacity of tailing pond should be such as to guard against overflow from the tailing pond during heavy rainfall. Estimation of the tailings and Management and disposal of tailings and closure plan of the tailing pond after the project is over, should be provided.
20. Proposed treatment of runoff from the tailings pond should be provided. The pit where water is collected has to be made pucca. The water collected has to be analysed and reused in the plant.
21. Scheme for lining of existing tailings pond (4 in number) should be included in the Report.
22. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves (existing as well as proposed), if any, within 10 km of the project should be clearly indicated. 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.
23. A detailed biological study for the study area (core zone and buffer zone (10 km radius of the periphery of the project) shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on 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.
24. Collection of one season (non-monsoon) primary baseline data on ambient air quality (PM 2.5 & PM 10, SO₂ and NO_x), 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. There should be at least one monitoring station within 500 m of the plant in the pre-dominant downwind direction.
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. Biological as well as health impact of fines and other dust generated in the plant should be studied. The proposed mitigation measures with EMP should also be provided.
27. 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.



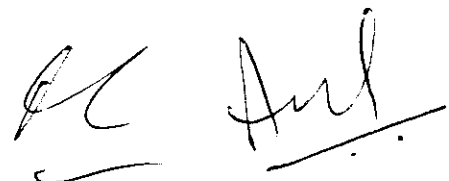
28. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
29. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground water Board.
30. Pretreatment of raw water, treatment plant for waste water should be described in detail.
31. Details of water conservation measures proposed to be adopted in the project should be furnished. Details of water management including diversion ditches, settling pond etc. should be provided.
32. Ground water monitoring minimum at 8 locations and near solid waste dump / tailings pond , Geological features and Geo-hydrological status of the study area are essential as also.
33. 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.
34. Impact on local transport infrastructure due to the project should be evaluated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) and whether it is capable of handling the increased load should be estimated. Arrangement for improving the infrastructure, if contemplated including action to be taken by other agencies such as State Government, if any, should be covered.
35. 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.
36. Details of the infrastructure facilities to be provided for the workers may be indicated.
37. Details regarding expected Occupational & Safety Hazards. Protective measures for Occupational Safety & Health hazards so that such exposure can be kept within permissible exposure level so as to protect health of workers. Health of the workers with special reference to Occupational Health. Plan of exposure specific health status evaluation of workers; pre placement and periodical health status of workers; plan of evaluation of health of workers by pre designed format, chest x ray, Audiometry, Spirometry Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations and plan of monthly and yearly report of the health status of workers with special reference to Occupational Health and Safety.
38. Action plan for the green belt development plan in 33 % area should be included. The species selected should be able to thrive on low nutrient soil. They should be able to adapt to local conditions and should be resistant to drought and extreme temperatures. PP should take up this activity immediately (since land has already been procured) and the details of plantation done should be given in EIA Report. The details of plantation already done should be given.
39. 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.

40. Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension should be given.
41. R&R plan / compensation details for the project affected people, if any, be provided.
42. Detailed environmental management plan to mitigate the environmental impacts due to the project should be prepared and furnished.
43. Risk assessment and disaster management plan should inter-alia include breach of tailing pond, if any, pipeline failure and over flow from the tailing pond etc., if any, proposed in the project.
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. The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage clearly showing the land features of the adjoining area.
46. 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.
47. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
48. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.

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 public hearing will be conducted and necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006 will be taken.

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) All statutory clearances / approvals / NOC shall be obtained for the project and included in the EIA Report.



- f) 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 the Ministry should also be followed.
- g) 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.

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.

2. Common Effluent Treatment Plant (CETP) with Mega Food Park Central Processing Centre (CPC) of M/s Jharkhand Mega Food Park Pvt. Ltd. at Getalsud Industrial Area, Ranchi, Jharkhand.

The proposed Jharkhand Mega Food Park is to be located at Getalsud Industrial area near the Getalsud Dam. The Project has been envisaged to help in creation of enabling infrastructure for food processing and a comprehensive 'farm-to-plate' supply chain system. The project would provide state of the art infrastructure for food processing in the State on a pre identified cluster basis. This is aimed at reducing wastages and ensuring value addition, especially in perishables like fruits-vegetables and help creating large employment opportunities in the area. Additionally the scheme is expected to help the efforts of the Government of India to promote Secondary Agriculture in the country.

The comprehensive project envisages collection of raw materials through Collection Centers (CC), Primary Processing in PPC and main activity at Central Processing Centre (CPC) with common facilities such as CETP etc. Proposed CPC with the CETP facility will be located in the Getalsud Industrial Area, Ranchi, Jharkhand. The CPC at Ranchi is proposed to be implemented in two phases, Phase – I: Dry process infrastructure & Phase – II: All remaining processing infrastructure and CETP etc.

The land located at Getalsud near the Getalsud Dam was initially owned by the Irrigation Department of Jharkhand, Ranchi. The land was allocated for the construction of the dam. It was in 1972 that the land was transferred from the Irrigation Department to Ranchi Industrial Area Development Authority (RIADA). The total land area that was transferred was 100.60 acres. This was transferred under letter number 348 dated February 5th, 1972. It is from this land that RIADA has given 56 acres land to Jharkhand Mega Food Park Private Ltd (JMFPPPL) on long term lease basis for 30 years. The land has also being taken into possession by the SPV JMFPPPL

The land is bounded by the Getalsud dam on one side, and the Subarnarekha River on the northern head. It has a continuous gradient towards the river and is undulated which requires leveling to develop this into an industrial Park. The CPC land at Getalsud is connected through metal road from the NH and the road is in use by sundry visitors to the Getalsud dam. The site is also connected through power line from state electricity board, which was earlier used by Nalanda Ceramics established over there, now closed. Land adjoining to the site is agricultural land and some land adjacent to the river is owned by the Dept of Irrigation. There are no green trees on the site.

32 Nos of Food Processing Units will be established in the Food park. These will include Fruit Processing 4; Vegetable Processing 6; Oilseed 1; Medicinal, Essential oils and Aromatic Plants Processing 2; Cereal Processing 3; Milk and Dairy Products 1;

Processed Food Packaging Industry 3; Micro and Small Industries 10; Others Support Industry 2

Estimation of Water Demand at CPC has been taken as 1000m³/day. The electrical load demand for entire food park is estimated at 6 MW. Two 1010 KVA & one 50 KVA generator has been planned for the CPC operation to deal any eventuality in case of power cuts.

For collection of sewerage and effluent from individual plots to sewerage and Common Effluent Treatment Plant, HDPE pipes shall be used. The effluent conveyance lines have been planned near to the property line minimizing the cutting for connection to plot owners. On all the roads, effluent conveyance lines have been planned on both sides of the road so as to connect to plot owners without cutting the main carriageway.

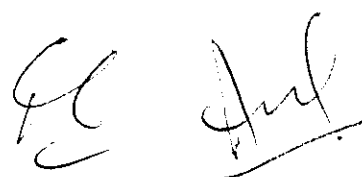
A sewage and effluent treatment plant (Industrial ETP for 0.624 MLD and Common STP for 0.3 MLD) has been planed based on the water requirement and outflow of solid as well as the effluents. Bleaching power doses will be used for chlorination before disposal of the treated sewage. It is provided that treated sewage will be used to the extent possible for landscaping uses within the Park.

The Total Project cost of JMFPPL including land is estimated at Rs. 113.95crores.

PP alongwith its consultant M/s J M EnviroNet Pvt Ltd, Gurgaon made the presentation. The Committee after going through the presentation suggests the following TORS

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) the Committee suggests the following TORs for consideration of SEIAA for undertaking detailed EIA / EMP study in respect of Common Effluent Treatment Plant (CETP) with Mega Food Park Central Processing Centre (CPC) of M/s Jharkhand Mega Food Park Pvt. Ltd. at Getalsud Industrial Area, Ranchi, Jharkhand.

1. Executive summary of the project
2. Photographs of the proposed plant area.
3. A line diagram/flow sheet for the process and EMP
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. All corner coordinates of the project area superimposed on toposheet should be provided.
 9. All statutory clearances required are to be addressed in the Report.
 10. Details of the technology and process involved in the project may be furnished.
 11. The study area will comprise of 10 km zone around the project area and the data contained in the EIA such as waste generation etc should be for the life of the project.
 12. Location of the proposed plant w.r.t. the source and mode of transportations of the inbound and outbound movement of the products if any should be provided. Steps proposed to be taken to protect the wastes from getting air borne to be given. Reasons for selection of site are to be highlighted.
 13. Land-use based on satellite imagery including location specific sensitivities such as national parks /wildlife sanctuary, Biosphere Reserves, Wildlife corridors, Tiger / Elephant reserves (existing as well as proposed) if any, villages, industries, etc. for the study area within 10 km of the Food Park should be clearly indicated. 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.
 14. A detailed biological study for the study area shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on 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.
 15. Collection of one season (non-monsoon) primary baseline data on ambient air quality (PM 2.5 & PM 10, SO₂ and NO_x), 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. There should be at least one monitoring station within 500 m of the plant in the pre-dominant downwind direction.
 16. 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

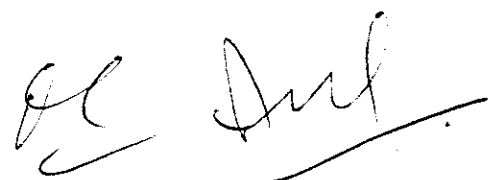
site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

17. Biological as well as health impact of wastes and dust generated in the plant should be studied. The proposed mitigation measures with EMP should also be provided. An action plan to control and monitor secondary fugitive emissions from all the sources is to be included.
18. 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.
19. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
20. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground water Board / Authority.
21. Details of water conservation measures proposed to be adopted in the project should be furnished. Details of water management including diversion ditches, settling pond etc. should be provided. Approach for minimum/zero discharge should be adopted.
22. Ground water monitoring minimum at 8 locations and near the Food Park, Geological features and Geo-hydrological status of the study area are essential as also.
23. 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.
24. Details of the infrastructure facilities to be provided for the workers may be indicated.
25. Details regarding expected Occupational & Safety Hazards. Protective measures for Occupational Safety & Health hazards so that such exposure can be kept within permissible exposure level so as to protect health of workers. Health of the workers with special reference to Occupational Health. Plan of exposure specific health status evaluation of workers; pre placement and periodical health status of workers; plan of evaluation of health of workers by pre designed format, chest x ray, Audiometry, Spirometry Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations and plan of monthly and yearly report of the health status of workers with special reference to Occupational Health and Safety.
26. Action plan for the green belt development plan in 33 % area should be included. The species selected should be able to thrive on low nutrient soil. They should be able to adapt to local conditions and should be resistant to drought and extreme temperatures. PP should take up this activity immediately (since land has already been procured) and the details of plantation done should be given in EIA Report. The details of plantation already done should be given.

27. 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.
28. Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension should be given.
29. Location of the project site and nearest habitats with distances from the project site to be demarcated on a toposheet (1: 50000 scale).
30. Justification for selecting the proposed treatment scheme and unit size.
31. Complete process flow diagram describing each stage of treatment, its processes and operations, along with material and energy inputs and outputs (material and energy balance).
32. Details of the industries for which CETP facility is proposed including raw materials used and products manufactured.
33. Expected quantity of wastewater from each industry and justification for selecting the proposed capacity of the treatment plant / modules. Characteristics of effluent and proposed segregation of streams, if any, from individual member industries.
34. Details of mode of effluent collection system either by tankers and/or pipeline, etc., or proposed trouble-shooting mechanism. Monitoring protocol in case of collection of effluent through pipeline and/or tankers should be included.
35. Details on physical, chemical and biological characteristics of the combined effluent and its concentrations and the basis for the same.
36. Details of equalization tank at least for 24 hrs; and guard ponds for holding treated wastewater or continuous monitoring facilities, if any. Details of the proposed treatment schemes supported by the treatability studies including source separation of streams for specific mode of collection and treatment either at individual industry or at CETP (based on economic and operational ease considerations).
37. Built-in flexibility provisions to deal with quantitative and qualitative fluctuations.
38. Organizational setup for collection of pretreated effluents, treatment and disposal of the treated effluents, etc. and deployment of qualified/skilled man power.
39. Details of O&M for maximum utilization of the designed capacity of the plant.
40. For any sensitive environmental parameters such as heavy metals, fluorides, etc., details on improved material of construction of tanks and other equipments such as corrosion resistance, allowance, etc.

41. Details of power consumption and stand-by arrangements like the diesel generator (DG) sets, dual fuel (gas and oil) for uninterrupted operation of treatment plant.
42. Details of laboratory, workshop, database, library, waste exchange centers, etc. in CETP.
43. Management plan for solid / hazardous waste generation, storage, utilization and disposal.
44. While identifying the likely impacts, also include the following for analysis of significance and required mitigation measures:
 - a. Impacts due to transportation of raw materials and end products on the surrounding environment.
 - b. Impacts on surface water, soil and groundwater.
 - c. Impacts due to air pollution.
 - d. Impacts due to odour pollution.
 - e. Impacts due to noise.
 - f. Impacts due to fugitive emissions.
 - g. Impact on health of workers due to proposed project activities.
 - h. Impact on the disposal mode-specific receiving environment.
 - i. Proposed odour control measures
45. Details regarding soil and groundwater impacts and regular monitoring protocols suggested for ensuring no significant impacts, besides preventive measures.
46. Details on improved technologies. Monitoring programme for pollution control at source. Monitoring pollutants at receiving environment for the appropriate notified parameters – air quality, groundwater, surface water, gas quality, etc. during operational phase of the project.
47. Specific programme to monitor safety and health protection of workers
48. Details of in-house monitoring capabilities and the recognized agencies if proposed for conducting monitoring.
49. Details on risk assessment and damage control during different phases of the project and proposed safeguard measures.
50. Details on socio-economic development (CSR) activities such as commercial property values, generation of jobs, education, social conflicts, cultural status, accidents, etc. Proposed plan to handle the socio-economic influence on the local community. The plan should include quantitative dimension as far as possible.
51. Public hearing is exempted as the project is proposed in an Industrial Area.
52. Any litigation pending against the project and /or any direction /order passed by any Court of Law related to the environmental pollution and impacts in the last two years, if so, details thereof.

Above points shall be adequately addressed in the EIA report at corresponding chapters

Handwritten signatures in black ink, appearing to be initials or names, located at the bottom right of the page.

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) All statutory clearances / approvals / NOC shall be obtained for the project and included in the EIA Report.
- f) 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 the Ministry should also be followed.
- g) 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.

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.

C. Projects for which SEAC has sought clarifications from PP.

1. Proposals related to Balu Ghats – River bed Sand Mining

Three proposals were received for evaluation from M/s Mahavir Infra Engineering Pvt Ltd. PP along with their Consultants M/s SENES Consultants India Pvt Ltd. made the presentation. The three proposals are as follows:

- I. Gomyadih Balughat located on Kanchi River, Gomya Village, Tehsil Sonahatu, District Ranchi, Jharkhand (Area 9.06 Ha).
- II. Edarmahatu Balughat located on Kanchi River, Telwadih Panchayat, Tehsil Sonahatu, District Ranchi, Jharkhand (Area 12.15 Ha).
- III. Kanchi Balughat located on Kanchi River, Upper Kanchi Village, Tehsil Bundu, District Ranchi, Jharkhand (Area 26.25 Ha).

The Committee went through the proposals and asked the PP to come back after modifying their proposals after taking into account the following

- i) Width of the River at various points where mining is to be carried out is to be got confirmed by Water Resource Department.

- ii) Guidelines of SEIAA, Jharkhand are to be given due consideration while revising the Pre FR
- iii) Distance of Mining area from Protected / reserved Forest is to be obtained from DFO.
- iv) Existence of Breeding ground if any in vicinity and its distance from Mining area is to be obtained from DFO. In case if Breeding ground not there then a NIL report has to be obtained from DFO.
- v) Mining plan has to be prepared keeping in view the applicable guidelines including distances from nearby structures. Sectional plan is to be shown.
- vi) Contour map showing residential areas with names of villages, intake wells, bridges, etc is to be provided.
- vii) Details of River may be i.e. origin to end point be provided for information.
- viii) Proposed draft TOR's

In view of the latest guidelines / notification issued by MOEF, Govt of India dated 24th December 2014 Edarmahatu Balughat and Kanchi Balughat fall under B2 Category while Gomyadih Balughat falls under B1 Category. Stipulations prescribed in the above guidelines / notification are to be adhered to.

Once the SEIAA Guidelines are modified in view of guidelines / notification issued by MOEF, Govt of India dated 24th December 2014 SEAC PP has to be asked to resubmit the proposals taking into consideration the above points and guidelines. On receipt of the revised proposals SEAC shall examine the same and forward its recommendations to SEIAA for consideration of grant of EC after PP resubmits the proposal.

2. Banpur Stone & Morrur Mine at Village Banpur, P. S Latehar, Dist – Latehar Jharkhand (Area 0.19 Ha).

This is a Stone & Morrur Mining Project for having an area of 0.19 Ha. 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. 13.12.2007 for a period of 5 years.. Application for renewal was filed before expiry 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. The indicated project cost is Rs 10 lakhs and a provision of Rs 1 lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve (Stone)	:	51111 t
Mineable Proved Reserve (Morrur)	:	3580 t

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

	Stone	Morrur
1 st Year	: 1512 t	703 t
2 nd Year	: 1552 t	604 t

3 rd Year	:	1509 t	275 t
4 th Year	:	1526 t	Nil
5 th Year	:	1154 t	Nil

The PP has submitted certificates from DFO and DMO. PP has to submit certificate from Circle Officer, PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. List of flora and fauna present in the project area.
5. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

3. Priya Stone Mines of M/s Sitaram Prasad & Smt Bindu Devi, Village Kurund, P.S. Mahuadhar, District - Latehar, Jharkhand (2.95 Ha).

This is a Stone Mining Project for having an area of 2.95 Ha (Plot Nos162, 213 & 214). 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 impact on the surroundings. The indicated project cost is Rs 138 lakhs and a provision of Rs 5 lakhs will be kept for Environment management.

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

Mineable Proved Reserve	:	1077611 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	48600 t
2 nd Year	:	48731 t

3 rd Year	:	48451 t
4 th Year	:	48486 t
5 th Year	:	48181 t

The PP has submitted certificates from C O, DFO and DMO. The committee was concerned with the contents of letter issued by DFO and asked PP to get the matter clarified. PP was asked to submit list of Flora and Fauna a prevailing in the area..

RQP is not registered with Government of Jharkhand. He was advised to get himself registered with Government of Jharkhand.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal.

4. Stone Quarry of M/s B.S.C. & C Construction Limited, J. V. at Village Chaparvar, Thana Harihargunj, Dist Palamu, Jharkhand (Area 2.02 Ha).

In the meeting held from 22nd to 25th October 2013 the Committee noted that as per IBM's letter no KOL/SB(E)/Ky/MP-472 dated 30.07.2013 addressed to GM, JSMD C the name of Dr M K Chakraborty has been withdrawn as key person from list of key persons representing CIMFR. w. e. f. 19.07.2013 Dr Chakraborty has prepared Mine Plans for Minor Minerals for a number of PP's. The Committee agreed that any other key person from CIMFR can present the case or alternatively the PP can get the Mine Plan vetted / revised through another RQP who can then present their case.

The committee also went through the request made by Shri M K Mukhopadhyay RQP to allow him to present cases of PP's for whom he has prepared the mine plans. His RQP status has expired on 17.07.2013 and he has applied for renewal on 27.08.2013. The committee deliberated on the matter and decided that the PP can get the Mine Plan vetted / revised through another RQP who has a valid registration and subsequently can then present the case. Subsequently, Shri M K Mukhopadhyay RQP has submitted a letter that the Mine Plans prepared by him need not be considered by SEAC.

In view of the above PP has engaged Shri N K Sanyal as RQP. The proposal was presented by him.

This is a Stone Mining Project for having an area of 2.02 Ha (Plot Nos 47 /222 P). The committee noted that PP was granted Mine Lease w. e. f. 03.05.2012 for a period of 10 years 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 impact on the surroundings.

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

Mineable Proved Reserve : 664200 t

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

1 st Year	:	240000 t
2 nd Year	:	240000 t
3 rd Year	:	240000 t
4 th Year	:	240000 t
5 th Year	:	240000 t

The committee was not satisfied with the production figures. PP has to submit certificates from C O, DFO and DMO. The committee was also not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was asked to submit Annexure 1 & annexure 2 of SEIAA guidelines, Form I, list of Flora and Fauna a prevailing in the area, distance from forest, year-wise mine development plan, land-use existing and at end of mine life, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB, project cost, provision kept for Environment management. A copy of presentation is also to be provided / furnished.

RQP is not registered with Government of Jharkhand. He was advised to get himself registered with Government of Jharkhand.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

5. Stone Quarry of M/s Rastria Stone Chips at Village Tham, P.S. Chandwara, District – Koderma, Jharkhand (1.36 Ha).

This is a Stone Mining Project for having an area of 1.36 Ha (Plot Nos 4617 P). The committee noted that as per Form I it is a proposal for Renewal of Mine Lease for which PP is seeking EC. The lease was granted w.e.f. 29.06.2002 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 impact on the surroundings.

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

Mineable Proved Reserve : 675000 t

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

1 st Year	:	45000 t
2 nd Year	:	45000 t
3 rd Year	:	45000 t
4 th Year	:	45000 t
5 th Year	:	45000 t

The PP has submitted certificates from C O, DFO and DMO.. The committee was also not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was asked to submit Annexure 1 & annexure 2 of SEIAA guidelines, list of Flora and Fauna a prevailing in the area, distance from forest, year-wise mine development plan, land-use existing and at end of mine life, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB, project cost, provision kept for Environment management. A copy of presentation is also to be provided / furnished.

RQP is not registered with Government of Jharkhand. He was advised to get himself registered with Government of Jharkhand.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

6. 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

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

The PP has submitted certificates from C O, DFO and DMO. The committee was not satisfied with the contents of letter issued by DFO and asked PP to get the same revised. PP was asked to submit list of Flora and Fauna a prevailing in the area. The committee was also not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal.

7. 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 Nos 172 P). The committee noted that as per Form I it is a proposal for Renewal of Mine Lease for which PP is seeking EC. The original lease was in favour of Basudeo Choudhary which was transferred in favour of M/s Baijudih Stone Works 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 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 Report 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
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2 nd Year	:	32854 t
3 rd Year	:	29403 t
4 th Year	:	23004 t
5 th Year	:	25088 t

The PP has submitted certificates from C O, DFO and DMO. The committee was not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was asked to submit, copy of original lease, list of Flora and Fauna prevailing in the area, distance from forest, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

8. Lakhpahari Stone Mines of M/s Morful Sheikh, Village Lakhpahari, P.O. Kalidaspur, P.S. Pakur, District – Pakur, Jharkhand (1.052 Ha).

This is a Stone Mining Project for having an area of 1.052 Ha (Plot Nos 104,105 P,106 P, 107 P and 108 P). The committee noted that as per Form I it is a proposal for Renewal of Mine Lease for which PP is seeking EC. The lease was granted w.e.f. 5th May 2003 for a period of 10 years. The original lease was in favour of Ataul Sheikh which was on 27.01.2010 transferred in favour of Morful Sheikh for the balance period of lease. PP has applied for renewal 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 impact on the surroundings. The indicated project cost is Rs 18 lakhs and a provision of Rs 3.1 lakhs will be kept for Environment management.

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

Mineable Proved Reserve	:	305289 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	24642 t
2 nd Year	:	34165 t
3 rd Year	:	32402 t
4 th Year	:	26798 t
5 th Year	:	27092 t

The PP has submitted certificates from C O, DFO and DMO. The committee was not satisfied with the contents of letter issued by DMO and asked PP to get the same revised. The committee was also not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was also asked to provide details of CSR work carried out after grant of lease. PP was also asked to submit list of Flora and Fauna a prevailing in the area, distance from Forest, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

9. Sundarpahari Stone Mines of M/s Ragda Murmu, Village Sundarpahari, P.O. Chengadonga, P.S. Pakur, District – Pakur, Jharkhand (1.86 Ha).

This is a Stone Mining Project for having an area of 1.86 Ha (Plot Nos 314, 318 to 320, 333,336 to 340, 356 and 357). The committee noted that as per Form I it is a proposal for Renewal of Mine Lease for which PP is seeking EC. The lease was granted w.e.f. 9th July 2001 for a period of 10 years. The original lease was in favour of Noor Stone works Prop Pintu Sheikh which was on 27.01.2010 transferred in favour of Ragda Murmu for the balance period of lease. PP has applied for renewal 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 impact on the surroundings. The indicated project cost is Rs 19 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 : 345927 t

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

1 st Year	:	28451 t
2 nd Year	:	29916 t
3 rd Year	:	30944 t
4 th Year	:	30339 t
5 th Year	:	32230 t

The PP has submitted certificates from C O, DFO and DMO. The committee was not satisfied with the contents of letter issued by DMO and asked PP to get the same revised. The committee was also not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was asked to submit list of Flora and Fauna a prevailing in the area, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

10. Stone Mines of M/s Jiv Lal Yadav, Village Tham, P.S. Chandwara, District – Koderma, Jharkhand (0.63 Ha).

This is a Stone Mining Project for having an area of 0.63 Ha (Plot Nos 5231 to 5235). The committee noted that as per Form I it is a proposal for Renewal of Mine Lease for which PP is seeking EC. The lease was granted w.e.f. 23rd May 2004 for a period of 10 years. The original lease was transferred in favour of Jiv Lal Yadav and Smt Parvati Devi for the balance period of lease. PP has applied for renewal 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 impact on the surroundings. The indicated project cost is Rs 17 lakhs and a provision of Rs 2.5 lakhs will be kept for Environment management.

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

Mineable Proved Reserve : 84302 t

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

1 st Year	:	16200 t
2 nd Year	:	14580 t
3 rd Year	:	18630 t
4 th Year	:	18225 t
5 th Year	:	17658 t

The PP has submitted certificates from C O and DFO. The committee was not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was also asked to provide details of CSR work carried out after grant of lease. PP was also asked to submit list of Flora and Fauna a prevailing in the area,

distance from Forest, letter from DMO stating that there are no contiguous patches and if yes the total sum of all the mining areas is less than 5 Ha, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

11. Stone Mine of M / S Shankar Mahto Village Fakiradih, P.O. & P.S. Baliapur, District – Dhanbad, Jharkhand (0.81 Ha).

This is a Stone Mining Project for having an area of 0.81 Ha (Plot Nos 381 P). The committee noted that as per Form I it is a proposal for Renewal of Mine Lease for which PP is seeking EC. The lease was granted w.e.f. 07.04.2003 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 16 lakhs and a provision of Rs 2.5 lakhs will be kept for Environment management.

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

Mineable Proved Reserve : 124110 t

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

1 st Year	:	17593 t
2 nd Year	:	14487 t
3 rd Year	:	15535 t
4 th Year	:	15154 t
5 th Year	:	15916 t

The PP has submitted certificates from C O, DFO and DMO. The committee was not satisfied with the contents of letter issued by DMO and asked PP to get the same revised. The committee was also not satisfied with the replies provided by RQP as such he was advised to revise the proposal / presentation. PP was asked to submit list of Flora and Fauna a prevailing in the area, distance from forest, undertaking towards compliance of conditions imposed / mentioned under lease conditions and conditions imposed by JSPCB.

The Committee was not satisfied with the information provided and with the presentation. PP and RQP were advised to correct the same and resubmit the proposal alongwith additional information.

12. Stone Quarry of M/s Dhan Laxmi Stone Works, Village Tham, P.S. Chandwara, District – Koderma, Jharkhand (2.81 Ha).

This is a Stone Mining Project for having an area of 2.81 Ha (Plot Nos 4617P, 4836P and 4882P). The committee noted that this is a proposal for Renewal of Mine Lease for which PP is seeking EC. The lease was granted from 23.01.2001 for a period of 10 years Circle Officer Chandwara has vide his letter no 603 dated 12.11.2013 informed that Gram Panchayat has raised objection for continuation of mining. In view of above the Committee did not proceed further.

13. Stone Quarry of M/s Dhan Laxmi Stone Works, Village Tham, P.S. Chandwara, District – Koderma, Jharkhand (0.40 Ha).

This is a Stone Mining Project for having an area of 0.40 Ha (Plot Nos 4617P). The committee noted that this is a proposal for continuation of Mining for which PP is seeking EC. The lease was granted from 24.12.2009 for a period of 10 years As mentioned in other case of PP Circle Officer Chandwara has vide his letter no 603 dated 12.11.2013 informed that Gram Panchayat has raised objection for continuation of mining. Since the plot is in continuation of earlier mentioned plot 4617 P the Committee did not proceed further.

14. Stone Quarry at Saharpura of M/s Balendra Kumar Singh Stone Mine, Vill- Saharpura, P.O - Sarkardeeh, P.S- Govindpur, Dist.-Dhanbad, J harkhand.(1.16 Ha)

This is a Stone Mining Project for having an area of 1.16 Ha (Plot Nos 289 P). The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. As per documents the lease expired on 31st, January 2012. PP has applied for renewal which is pending due to PP obtaining 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. 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 Committee during its meeting held from 22nd to 25th October had noted that as per IBM's letter no KOL/SB(E)/Ky/MP-472 dated 30.07.2013 addressed to GM, JSMD the name of Dr M K Chakraborty has been withdrawn as key person from list of key persons representing CIMFR. w. e. f. 19.07.2013 Dr Chakraborty had come for presentation for which the committee did not agree. The Committee had agreed that any other key person from CIMFR can present the case in the next meeting. However the PP has got the Mining Plan prepared by another RQP and submitted the same. The RQP came for presentation.

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

Mineable Proved Reserve	:	707265 t
Year-wise Production as proposed under Mining Plan Report for five years is as follows		
1 st Year	:	Not indicated
2 nd Year	:	37500 t
3 rd Year	:	37500 t
4 th Year	:	37500 t
5 th Year	:	37500 t

In the first year the exposed surfaces will be cleaned and no production has been indicated. The daily production as per Mine Plan is 125 tonnes

The PP has submitted certificates from Circle Officer, DFO and DMO. It was noted that mine is 10 m from forest. PP was asked to give an undertaking that he will not mine further for a distance of 40 m. RQP has to confirm that he has while preparing the Mine Plan taken the above matter into consideration. PP was asked to submit Form I as per revised Mine Plan. Also he was advised that RQP gets himself registered with the Department of Mines, Government of Jharkhand.

PP was informed that RQP has to come and explain the above point and give an undertaking to this effect. PP has to inform about the project cost and provision kept towards environment protection.

Once the PP provides the balance information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

15. Banspahari Stone Mine of M/s Vijay Pandey ,Village Banspahari, P.S-Madhupur, District Deoghar, Jharkhand.(0.785 Ha).

This is a Stone Mining Project for having an area of 0.785 Ha (Plot No 140). 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 executed w.e.f.12.04.2003 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/EEMP 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 22 lakhs and a provision of Rs 1 lakhs will be kept for Environment management.

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

Mineable Proved Reserve	:	157843 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	18152 t
2 nd Year	:	16497 t
3 rd Year	:	15694 t
4 th Year	:	16308 t
5 th Year	:	17592 t

The PP has submitted certificates from Circle Officer, DFO and DMO. During the meeting PP was asked to submit following additional information.

- i. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
- ii. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
- iii. Details of CSR activities and Plantation carried out alongwith Photographs.
- iv. Undertaking from the Board / Management that there will not be any violation in future.

PP has submitted the desired information except for point iii. The photographs submitted showing plantation indicate that no green belt was developed earlier.

Once the PP provides the balance information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

16. Chapandey Stone Mine of Sanjay Mining & Mineral Trading ,Corporation, Village Chapandey, Thana-Ranga , Dist.- Sahibganj, Jharkhand (Area 3.95 Ha).

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 executed on 31.05.1993 and as informed it was further renewed upto 30.05.2013. The Committee in its previous meeting had desired certain information which has been submitted by PP on 28.10.2013. As informed by PP Certificates from DFO as per Annexure 1 of SEIAA guidelines, distance of nearest mine and forest and Certificate from DMO stating that there are no contiguous mining patches having total area more than 5 Ha are under process. PP has to provide copies of his various leases. PP has during the meeting submitted a letter dated 20.12.2013 stating that there are other adjacent mines and the contiguous area works out to approx 15.3 Ha.

During the meeting PP informed that there are contiguous mines and he will proceed for getting TOR followed by EIA / EMP studies. SEAC will, after examining the new proposal and the latest guidelines of MOEF will refer the matter to SEIAA for consideration for further action.

17. Manglashahi Stone Quarry & Crushing Project of M/s. East Coast Mining Pvt. Limited at Village Manglashahi, Block Potka, Dist – East Singhbhum, Jharkhand (Area 1.0 Ha).

This is a Stone Mining Project for having an area of 1.0 Ha. 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 executed w.e.f.27.09.2011 for a period of 5 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. 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 details of mine capacity as provided in Mining Plan Report are

Proved Reserve	:	182000 t
Inferred Reserve	:	273000 t

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

1 st Year	:	15000 t
2 nd Year	:	39000 t
3 rd Year	:	39000 t
4 th Year	:	39000 t
5 th Year	:	39000 t

The PP has to obtain certificates from Circle Officer and DFO. PP was also asked to obtain a Certificate from DMO stating that there are no contiguous mining patches having total area more than 5 Ha. PP has submitted the same on 28.10.2013 (DMO letter No 2282 dated 22.10.2013).

PP has also submitted the Mine Plan to Department of Mines, Government of Jharkhand for approval.

During the meeting held from 22nd to 25th October PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. Requirement of water and its source
5. Distance from nearest Forest
6. Undertaking from the Board / Management that there will not be any violation in future.

PP has submitted part information which stated what he proposes to do in future. Committee wanted to know what all was carried out in past. PP has yet to obtain letters from concerned authorities.

Once the PP provides the balance information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

18.Dumerbera / Poradih Stone Quarry & Crushing Project of M/s. East Coast Mining Pvt. Limited at Villages Dumerbera & Poradih, Block Potka, Dist – East Singhbhum, Jharkhand (Area 1.57 Ha).

This is a Stone Mining Project for having an area of 1.57 Ha (0.66 Ha Plot no 488 in Village Dumerbera and 0.91 Ha Plot No 2395 in Village Poradih) . The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The leases for Dumerbera and for Poradih were executed w.e.f.11.02.2006 for a period of 5 years separately. The leases for Dumerbera and for Poradih are contiguous (part of one hillock) and total area is 1.57 Ha. Two separate applications were filed by PP as the land fell in two different villages. PP had applied to MOEF for grant of EC vide his letter dated 25th July 2012 wherein he has mentioned that he had filed a revision petition with Commissioner of Mines, Government of Jharkhand and had got relief. DMO vide his letter no 1597 dated 04.06.2012 in respect of area under Village Poradih and vide his letter no 1670 dated 14.06.2012 in respect of area under Village Dumerbera asked PP to obtain EC from MOEF. Accordingly as mentioned above PP has applied to MOEF. 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. 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 Project cost has been indicated as Rs 20 lakh and provision for environment management has been kept as Rs 2.25 lakh.

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

Proved Reserve	:	66800 t (Village Dumerbera) 91900 t (Village Poradih)
Inferred Reserve	:	65800 t (Village Dumerbera) 77400 t (Village Poradih)

Year-wise Production as proposed under Mining Plan (Composite) for five years is as follows

1 st Year	:	24000 t
2 nd Year	:	24000 t
3 rd Year	:	24000 t
4 th Year	:	24000 t
5 th Year	:	24000 t

The PP has to obtain certificates from Circle Officer. Certificate obtained from DFO was furnished by PP.

The PP has to obtain certificates from Circle Officer and DFO. PP was also asked to obtain a Certificate from DMO stating that there are no contiguous mining patches having total area more than 5 Ha. PP has submitted the same on 28.10.2013 (DMO letter No 2283 dated 22.10.2013).

PP has also submitted the Mine Plan to Department of Mines, Government of Jharkhand for approval. Since the mine plan involves two mining leases and the safety zone will not be left at the common boundary between the two leases PP was advised to get the Mine plan approved by Department of Mines, Government of Jharkhand before EC can be considered.

During the meeting held from 22nd to 25th October PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. Requirement of water and its source
5. Distance from nearest Forest
6. Undertaking from the Board / Management that there will not be any violation in future.

PP has submitted part information which stated what he proposes to do in future. Committee wanted to know what all was carried out in past. PP has yet to obtain letters from concerned authorities. PP was once again asked to come back after getting the approved mine plan as it involves waiver of safety zone.

Once the PP provides the approved Mine Plan and balance information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

19. Pavitra Dharti Stone Quarry Works at Village Dhab, PO Chandwara Jhumri Telaiya, Dist – Koderma Jharkhand (Area 1.41 Ha).

This is a Stone Mining Project for having an area of 1.41 Ha (Plot No 4817 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 executed w.e.f. 04.04.2002 for a period of 10 years. The original lease was granted in favour of Shri Banwari Prasad Modi and subsequently transferred in favour of Pavitra Dharti Stone Quarry Works Prop Shri Ranjit Kumar Roy on 14.08.2008. Application for renewal was filed before expiry 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 20 lakhs and a provision of Rs 3.6 lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 171990 t

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

1 st Year	:	14256 t
2 nd Year	:	16427 t
3 rd Year	:	16062 t
4 th Year	:	17015 t
5 th Year	:	17156 t

The PP has submitted certificates from Circle Officer, DFO and DMO.

PP was in an earlier meeting asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. Requirement of water and its source
5. Distance from nearest Forest
6. Undertaking from the Board / Management that there will not be any violation in future.

PP informed that he has to obtain some more information. He was accordingly asked to submit same at the earliest.

Once the PP provides the information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

20. Stone Quarry of M / s Bishnu Dev Singh at Village Karadih, P. S Jamua, Dist – Giridih, Jharkhand (Area 0.5949 Ha).

This is a Stone Mining Project for having an area of 0.5949 Ha. 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.. Application for renewal was filed before expiry 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. PP has indicated a provision of Rs 2.5 lakhs towards 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 t
2 nd Year	:	26068 t
3 rd Year	:	30818 t
4 th Year	:	34674 t
5 th Year	:	34881 t

The PP has submitted certificates from C O, DFO and DMO. The committee was satisfied with the information. PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Annexure 1 & 2 of SEIAA guidelines.
4. Details of CSR activities carried out.
5. Distance of mine from Forest.
6. Land use - present at end of mine operation.
7. List of flora and fauna present in the project area.
8. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

21. Proposed Residential Complex" Anantara" of M / s Ashiana Housing Ltd at Pardih Mango, NH33, District East Singhbhum, Jharkhand.

The Project Proponent (PP) alongwith his Consultant M / s Grass Roots Research & Creation India (P) Ltd presented the case.

The Residential Project "Anantara" involves construction on a plot area of 19,829.60 Sq.m (or 4.9 acres). Total built up area of the project is 54,205.00 Sq.m. Parking of 484 ECS is proposed against the requirement of 480 ECS. The total water requirement is 220 KLD (Fresh water requirement = 146 KLD). The source of the water is Private water Tanker during construction and MNAC (Mango Notified Area Committee) during operation phase. The sewage generation is about 155 KLD and capacity of STP is about 220 KLD. Treated water will be used for flushing/horticulture/DG cooling. The total power requirement is 1,400 KVA. Two number of DG sets of total capacity 375 KVA (i.e.

1x125+1x250) are proposed. Total solid waste generation will be 1,085 kg/day. The total cost of the project is about Rs. 65.23 Crores.

The EAC for Infrastructure, Miscellaneous Projects and CRZ in its meeting held on 18th & 19th October 2012 recommended the proposal for Environment Clearance after the PP submits information under (i) to (v) below, with the above condition in the Clearance letter for strict compliance by the project proponent.

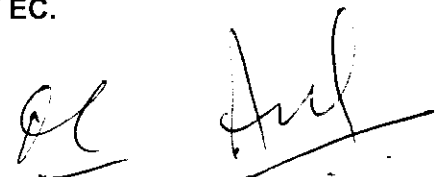
- (i) Green belt of 6-9 meters width as committed by the proponent should be provided all around the boundary of the project.
- (ii) As committed by the proponent, 5-7 year O&M of STP should be the responsibility of the contractor.
- (iii) Minimum road width of 9 m should be adopted within the project area.
- (iv) Explore the possibility of developing Kaccha road for the use of residents.
- (v) Obtain and submit permission regarding source of water from Municipality

The file was forwarded by MOEF to SEIAA, Jharkhand and was received by them on 27th August 2013. The matter came up for discussion during the 10th Meeting of SEAC held during 22 to 25th October 2013. During the discussion / presentation following points emerged:

- A) PP was asked to submit the above details / replies along with relevant papers / documents / drawings in a consolidated form.
- B) A copy of Project Report along with copy of approved Plans and copy of Permission / Consent letter from appropriate authority (MNAC or concerned Municipal Corporation) to establish the residential Complex.
- C) Permission for supply of water from MNAC or Central Ground Water Board as applicable may be submitted.
- D) Scheme for Rain Water Harvesting has to be prepared and PP has to get the same approved by Ground Water Directorate, Government of Jharkhand/ Central Ground Water Board.
- E) Details of all Statutory Clearances like from Fire Department, Airport Authority, Explosive handling, etc as may be required /obtained for establishing the residential Complex are to be submitted.
- F) A Disaster Management Plan has to be prepared and submitted.
- G) Scheme for disposal of Sludge from STP is to be provided. Also scheme for discharge of waste water is to be provided.
- H) PP has to Maximize use of Solar Lighting. Details are to be furnished.

PP has yet to submit information desired under item B above and clarifications with respect to MOEF's comments mentioned under item (v).

Once the PP submits the above SEAC shall examine the same and forward its recommendations to SEIAA for consideration of grant of EC.



22. Integrated Municipal Solid Waste Management Project of Jamshedpur Notified Area Committee at Mouja Khairbani, Jamshedpur District East Singhbhum, Jharkhand

The Project Integrated Municipal Solid Waste Management Project has been planned to be set up by Jamshedpur Notified Area Committee at Mouja Khairbani, Jamshedpur District East Singhbhum, Jharkhand. The proposed handling capacity of the facility will be 350 TPD and it will be set up over an area of 30.39 acres. The site is located at a distance of 8 Km from Jamshedpur Railway Station. PP alongwith the Concessionnaire – SPML Infra Limited and Consultant Ind Tech House Consult presented the salient feature of the project, its location, which reveals that the operation involves unloading of Municipal Waste coming through truck, its segregation, treatment, storage, etc. The Project has to follow Municipal Solid Waste (Management and Handling) Rules 2000 and utmost care is to be taken to avoid pollution of streams and contamination of Ground Water. In view of the possible impacts on nearby habitation and surface and ground water contamination the Committee decided that a team visits site to have an idea of same. During the discussion it was discussed and PP agreed to welcome a team consisting of Shri S K Singh, and Prof (Dr) M C Mahata Members, SEAC Jharkhand to visit the Soapstone mine in Jamshedpur on 4th October. The members after visit have submitted their Report.

During the meeting a number of points based on observations made were discussed and PP was asked to submit replies to same. PP has submitted his replies vide its letter nos 3020 dated 2.12.2013. PP has also applied to various agencies to obtain clearances. The same were discussed in the meeting. As per Clause 10 of Schedule I of Specification for Landfill Sites of Municipal Solid Wastes (Management and Handling) rules the landfill site shall be away from airport including airbase. Necessary approval of airport or airbase authorities prior to setting up of the landfill site shall be obtained in cases where the site is to be located within 20 km of an airport or airbase. PP was asked to expedite reply from Airports Authority of India (AAI).

Once the PP submits the above SEAC shall examine the same and forward its recommendations to SEIAA for consideration of grant of EC.

23. Common User POL Terminal of IOT Infrastructure & Energy Services Ltd at Village Haludpukar, Tehsil Ghatsila Circle-Potka, District East Singhbhum, Jharkhand.

M/s IOT Infrastructure & Energy Services Ltd. have proposed for setting up of POL Terminal at Village Haludpukar, Tehsil Ghatsila Circle-Potka, District East Singhbhum, Jharkhand. HPCL and BPCL have 2 oil petroleum oil storage depots in congested areas of city of Tatanagar. There is no space in these depots for expansion of facilities. In view of the constraints and on safety consideration, IOT has been entrusted by BPCL & HPCL to develop a common user POL terminal at Haludpukar. Total land requirement is 37 acres. No sensitive area like national park/wildlife sanctuary is located within 15 Km from the project site. POL terminal will be engaged primarily in receipt, storage and filling of tank trucks of HPCL and BPCL for distribution of essential petroleum products in the region. Following will be storage capacities :

Sl.No.	Product	Quantity
1.	Motor Spirit	5830 KI
2.	High Speed Diesel	12650 KI
3.	Superior Kerosene (SKO)	2770 KI

4.	Ethanol	400 KI
5.	Total	21650 KI
6.	Total thrupt	4,22,592 Klpa.

As per EIA Notification 2006, this type of projects require prior environmental clearance from MOEF, Govt. of India. For this purpose the project proponent submitted Form-I with pre-project feasibility report to MOEF for determination of Terms of Reference for environmental study. The project was examined by the Reconstituted EAC for Industry in its 3rd meeting held on 3rd – 5th December 2012 MOEF issued TOR vide it's letter No F.No. – J 11011 / 190 / 2012-IA-II (I) dt 20.02.2013 which included conduct of Public Hearing.

Subsequently the file was forwarded to Secretary, Department of Forest and Environment, Government of Jharkhand by MOEF vide it's letter No F.No. – J 11011 / 190 / 2012-IA-II (I) dt 21.06.2013 for consideration by SEIAA / SEAC Jharkhand

The proposal came up for deliberation in SEAC's meeting wherein the EIA Report was presented. The Committee asked M/s Development Consultants, Pvt Ltd, Kolkata about the status of their accreditation with NABET/QCI. M/s Development Consultants, Pvt Ltd, Kolkata confirmed the same (Sl. No. 33).

EIA/ EMP has been prepared in compliance to TOR except for public consultation/ public hearing. The Report was presented by M/s Development Consultants, Pvt Ltd, Kolkata. PP requested / appealed for waiver of for public consultation/ public hearing. They cited a number of examples where public consultation/ public hearing has been exempted for similar projects. The committee did not agree as total land has not been acquired and the condition has been given by MOEF while issuing TOR.. PP was asked to approach JSPCB and get the Public hearing conducted and then come for presentation.

The water requirement for the project is 18 m³/ day for which they have applied to Central Ground Water Board for obtaining permission. PP was advised to explore the possibility of obtaining water from Garra Nallah which flows in close proximity. The power requirement has been indicated as 540 kVA. PP has to confirm its availability from JSEB. PP has to submit an undertaking that it will follow R & R policy of Government of Jharkhand.

Once the PP provides the above information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

24. Proposed Coal Washery Plant of M/s Mahalaxmi Washeries (P) Ltd. at Village Tola- Deoli, PS- Govindpur, Dist- Dhanbad, Jharkhand

The proposal is to set up a 22500 TPA Slurry Washing Flotation Plant. The Project is to be located in Tola- Deoli, PS- Govindpur, Dist- Dhanbad, Jharkhand. The generated slurry lumps from different washeries of Bharat coking Coal Ltd. / Tata Steel Ltd / IISCO and Eastern Coalfields Ltd. are located at Jharkhand & West Bengal which will be washed at the proposed plant and washed Coal slurry will be used in manufacturing of Hard Coke in their Plant at Govindpur, Dhanbad. The annual raw slurry requirement for the unit is 37,500 TPA. The PP will buy raw slurry by e-auction under the new sale policy of Coal India Ltd. and directly from other coal washeries of TATA Steel , IISCO

and also from open market. The main object of the Slurry Washing Flotation Plant is to produce good quality low ash hard coke.

PP has acquired 1.54 Acres of private land in Tola- Deoli, PS- Govindpur, Dist- Dhanbad, Jharkhand. The site is within 2 K.M. from G.T. Road (NH-2) and is well connected with Dhanbad & Bokaro. The total water requirement for the coal beneficiation will be approximately 20 KL/Day. It will be drawn from bore-holes drilled in the plant premises after permission from concerned authority. The total power requirement for the project about 180KVA will be made available from JSEB Grid. DG set 125/150 KVA approx as standby power source is being installed. 50 TPD waste (Tailings) will be generated from the proposed Slurry Washing Flotation Plant. The generated tailings will be used for making cakes.

The total investment of Proposed Slurry Washing Flotation Plant is Rs 1.10 Crores.

PP along with his consultant M/s Anacon Laboratories made the presentation PP requested that the Project be considered under B2 Category to which the committee did not agree (in view of EIA notification 2006 and latest MOEF OM dated 24th December 2013 which categorizes B1 and B2 projects) .PP was asked to provide proposed TOR's.

Once the PP provides the above information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

25. Hazardous Waste Management Facility of M/s Adityapur Auto Cluster at Village Dugni, Tehsil Saraikella District Saraikela Kharsawan, Jharkhand.

The proposal is for establishment of Hazardous Waste Management Facility at Dungi, Jharkhand. Adityapur Industrial Area was established in 1972 with a command area of 33,970 Acres. The total developed work area comprises of ten sectors including one large sector industrial estate and one medium sector industrial estate. Units under production are 791 out of which 11 are large scale units, 64 are of medium scale, 550 are small and 166 are tiny scale units. These units are generating a total of 17400 TPA Hazardous waste including 700 TPA of recyclable oily, 200 TPA of recyclable metallic, 3400 TPA of incinerable, 13100 TPA of land fillable waste. Presently there is no facility to treat and dispose off these wastes properly. As such these are being disposed off in unscientific manner posing environmental and health hazard. The Government of India through IIUS scheme, has proposed to set up a Hazardous Waste Management Facility for proper treatment and disposal of these wastes. Adityapur Auto Cluster, a section 25 company, has been set up by the project beneficiaries in Adityapur Industrial Area to develop the project under this scheme with active support of Govt and the state government. The site for the proposed facility has been selected at village Dugni, Tehsil Saraikella District Saraikela Kharsawan. The facility will consist of unit for treatment & recycling of waste/ used oil, incineration of organic wastes, and secured land fill for landfillable wastes. The waste will be collected in special containers and transported from units to facility by specially designed trucks. Collection of wastes from units and their transportation will be responsibility of facility operator.

As per EIA Notification 2006, this type of projects require prior environmental clearance from MOEF, Govt. of India. For this purpose the project proponent submitted Form-I with pre-project feasibility report to MOEF for determination of Terms of Reference for environmental study. The project was examined by the EAC for Building Construction, Coastal Regulation Zone, Infrastructure Development and Miscellaneous projects in its

106 th meeting held on 17 – 18th October 2011 MOEF issued TOR vide it's letter No F.No. – 10.84/ 2011-IA-III dt 23.11.11 which included conduct of Public Hearing.

EIA/ EMP was prepared in compliance to TOR. The Draft EIA/ EMP was submitted to Jharkhand State Pollution Control Board for public consultation/ public hearing. Public Hearing was conducted on 10.06.2012. The participants in Public Hearing gave their consent for setting up the facility as proposed. On completion of Public Hearing, final EIA/ EMP report was been prepared and submitted to MOEF for grant of Environment Clearance. The Report was presented by M/s Crystal Consultants, Ranchi before the EAC for Building Construction, Coastal Regulation Zone, Infrastructure Development and Miscellaneous projects in its 118th meeting held on 8th – 9th November 2012. During the discussion, the following points emerged:

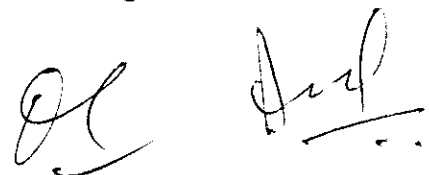
- i. The Committee noted that the site adjacent to the river. Proponent shall revise the layout leaving 500 m from the river and submit
- ii. Submit layout on latest google
- iii. Inventories the type and quantity of the industries in the surrounding and provide proposed quantities of the waste receipt vs viability of the project
- iv. MoU of the agreement between the operator on PPP basis and the developer.
- v. Guideline of CPCB should be adopted for selection of site
- vi. Contour map along with the drainage map should be provided

In view of the foregoing observations, the committee recommended to defer the proposal and decided that the proposal shall be reconsidered after the above observations are addressed and replies submitted. The PP submitted their replies vide their letter No AAC/18/05-13 dated 26th May 2013 to MOEF. Subsequently the file was forwarded to SEIAA, Jharkhand by MOEF vide it's letter No F.No. – 19-108/ 2012-IA-III dt 23.11.15th September 2003 for consideration.

The proposal came up for deliberation in SEAC's meeting wherein replies to above points were presented. The Committee asked the M/s Crystal Consultants, Ranchi about the status of their accreditation with NABET/QCI. M/s Crystal Consultants, Ranchi informed that their accreditation was withdrawn and at present it was under consideration / process. Committee asked them to submit their details in this regard and requested PP to bring an accredited Consultant in this area for presentation. PP submitted that the stream flowing is not a River but a lower level stream Nadi and the site has been selected after giving due consideration to the site selection criteria framed by CPCB. Considering the issues and associated factors it was decided that a team of Shri A. K. Saxena Chairman, SEAC and Shri S K Singh Member SEAC visit site to have an idea of the same.

Once the PP provides the above information and site visit report is examined SEAC will, after considering the same, will refer the matter to SEIAA for consideration for further action.

26. Iron Ore Washing Wet Screening Unit of M/s Anindita Steels Limited village Senegarha, P.O – Rabodh, P.S Gidi, District – Hazaribagh, Jharkhand.



The proposal relates to washing of raw iron ore received from different sources during the monsoon season. During monsoon season iron ore is mixed with mud and soil. This ore cannot be fed into kiln of sponge iron plant which is operational since 2008. Removal of mud and soil by washing with water together with sizing of ore is proposed. The proposed Iron Ore Washing/Wet Screening Unit having a planned capacity of 70 TPH (about 700 Ton per day) shall be operated during monsoon to clean the ore from wet soil contamination. The sized and washed iron ore will be supplied to Sponge Iron Plant located in the same premises. The project site is located in village Senegarha, P.O – Rabodh, P.S Gidi, Dist – Hazaribagh in the state of Jharkhand. The project site is connected to NH-33 by a black topped road. NH-33 is approximately 8 km away from project site.

M/s Anindita Steels Limited (Formerly known as Anindita Trades & Investments Ltd) having its registered office at 603, Panchwati Tower, Harmu Road, Ranchi 834 001 Jharkhand, is a private limited company registered under Companies Act' 1956.

Proposed facility including units for crushing, screening, washing & recovering of water will be housed in an industrial shed. In addition to these units, raw ore storage area, washed product storage area & sludge storage area has been provided. The facilities are to be set up within the existing premises and no additional land is required.

Total water demand for the facility has been assessed as 152 KLD. Including 150 KLD for washing and 2 KLD for potable purpose. Proponent has developed a pond in the premises of Sponge Iron Plant. Industrial water demand will be met from this pond. For meeting potable water demand, a 150 mm ϕ deep tube well will be installed. In case pond water is not sufficient to meet industrial water demand, tube well will supplement industrial water demand. The facility has been planned & designed on Zero – discharge principle. It is proposed to treat the waste water generated on account of ore washing and recycle it for reuse.

Power requirement for the facility has been assessed as 180 KWH. Power will be supplied to the facility by a sub – station of JSEB, located close to the plant site.

The facilities generate dense sludge of approximately 600 g/lit. This sludge will be stored in settling area. Solid wastes are Marketed ideally suitable for brick and roof tile making. As such they will be marketed.

Estimated Project Cost is Rs. 260 lakhs.

PP along with his consultant M/s Crystal Consultants, Ranchi made the presentation PP requested that the Committee considers waiver of Public hearing as this Project is to be implemented inside the existing premises for which he has to submit a request. Further PP was asked to submit Draft TOR's .

Once the PP provides the above information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

27. Maharaja Agrasen Jee Apno Ghar Pvt Ltd at Village Gosaidih, Tehsil Gobindpur, District Dhanbad, Jharkhand.

This is a Residential cum Commercial Complex having built up area of 112,606 sq m. The total land area is 19,504 sq m. The Committee noted that this project as per EIA Notification falls under 'B2' Category. In view of EIA notification TOR is not required, nor

any formal EIA Report is to be prepared in the instant case. Also Public hearing is not called for.

Salient features of the proposed project, for which EC is to be considered are as follows:

Land Area	: 19732.61 sq m.
Total Water requirement	: 474.685KLD
Fresh Water requirement	: 296.93KLD
Wastewater generated	: 397.5 KLD (169.745 KLD to be supplied to / used by Hard coke industry)
Total Built-up Area	: 112,606 sq m.
Ground Coverage	: 6929.61 sq. m. (35.12 % of land area)
No. of Parking Spaces proposed	: Cars – 312 Nos
Total Power requirement	: 4565 KW
Backup Power	: DG Set (1x 320KVA)

PP alongwith his Consultant M/s Team Institute of Science and Technology Pvt Ltd, (TIST) Jaipur presented the salient feature of the project. Based on the information contained in the documents submitted and the presentation made it was observed that some additional information is required which is as follows :

- a. Provide certificate of accreditation certificate both for company and project coordinator / presenter.
- b. Certificate from concerned Statutory Authority giving permission for establishing the Project
- c. Details of all Statutory Clearances like from Water, Power, Fire Department, Airport Authority, Explosive handling, etc as may be required /obtained for establishing the Mall are to be submitted.
- d. Details of Land use covering Road Area, Paved Area, Semi Paved Area, Plantation Area, Other Green Area, Park Area, Open Parking Area, Swimming Pool Area, Service Area, etc.
- e. Disaster Management Plan has to be prepared and submitted.
- f. PP to attempt maximum utilization of water so that there is no discharge or minimum discharge of used water after treatment.
- g. Scheme for Rain Water Harvesting which is to be duly approved by Ground Water Directorate Govt. of Jharkhand.
- h. Scheme for Management of Wastes arising from the Commercial Complex. The scheme should include segregation of wastes. The quantity of waste generated is to be indicated.
- i. Scheme for conversion of wastes to organic manure.

- j. Scheme for disposal of Sludge from STP is to be provided.
- k. Scheme for utilization of Solar Energy to maximum extent possible specially for Street lighting.
- l. PP to inform about measures it will take regarding management of traffic arising out of the Commercial Complex. Parking slots considered seem to be on a lower side. PP may reconsider the number of Parking slots.

Most of the above informations as mentioned above have been furnished by PP vide his letter dated 6.12.2013. During the presentation TIST informed that their accreditation is under process. However TIST has obtained a stay order from the Hon'ble High Court of Rajasthan regarding office memorandum requiring accreditation with QCI / NABET. Documents in this regard have been submitted. PP was asked to submit a copy of approved site plan, Land use details as proposed and as per statute, confirmation from MADA that they will be able to supply requisite quantity of water. PP was asked to submit the information by 4th January 2014.

Once PP submits the above information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

28. Surjabasa Limestone Mine of M/s Narsinh Hirji. Village Surjabasa, PS Chaibasa, District West Singhbhum, Jharkhand Area (16.70 Ha)

Surjabasa Limestone Mine over 16.70 hectares of M/s Narsinh Hirji. is located in the West Singhbhum district of Jharkhand State. Mining lease was granted to M/s Narsinh Hirji by the Government of Bihar. The first lease was granted for 20 years w.e.f 19.2.1969 to 18.2.1989. The application for first renewal was applied vide letter no-3861/m/Patna dated 31.07.1990 for a period of 20 years from 19.2.1989 to 18.02.2009, which is deemed to be granted under rule 24 (9), MCR, 1960. Further the party applied for 2nd renewal vide receipt letter no 04/2008 for a period of 20 years w.e.f 19.02.2009 to 18.02.2029. As per Form I they have mentioned a proposed production figure of 60,000 tonnes of Limestone per year. As per Executive Summary the proved reserves are 16,40,800 tonnes. The life of mine has been indicated as 27 years based on current reserves. The mine lease area located at latitude 22° 27'51" to 22° 28'13" and longitude 85°45'41" to 85°45'57".

Based on the information contained in the documents submitted and the presentation made it was observed that this is a case of Violation. In the meeting held from 22nd to 2th October 2013 the Committee had sought following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of Consent to establish and Consent to Operate.
3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Brief write up on present Environmental conditions w.r.t air and water environment along with data if available.

5. Surjabasa Limestone Mine is located in the West Singhbhum district. PP has to obtain from DFO about Do's and Don'ts to be followed by PP in respect of Singhbhum Elephant reserve if applicable.
6. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification, 1994 came into force w.r.t. the highest production achieved prior to 1994.
7. Name of Agent since 2003.
8. Undertaking from the Board / Management that there will not be any violation in future.

PP has submitted some information vide his letter dated 11.12.2013. Committee noted that there has been an increase in production after EIA Notification 1994 and it is a case of violation. PP has submitted an undertaking that he will not violate any condition in future. State Government has to initiate credible action against the PP. PP was asked to submit balance information /document for consideration for issue of TOR.

Once the PP provides the balance information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action. In the meantime SEIAA may write to State Government to initiate credible action.

29. Barajhinkpani Limestone Mine of M/s Sri Ram Sevak Yadav. Village Barajhikpani, PS Barajhikpani, District West Singhbhum, Jharkhand Area (9.30 Ha)

Barajhikpani Limestone Mine over 9.30 hectares of M/s Sri Ram Sevak Yadav is located in the West Singhbhum district of Jharkhand State. Mining lease was granted to M/s Associated Cement Company by the Government of Bihar on 13.09.1965. The first renewal was granted for 20 years w.e.f 15.2.1985 for a period of 20 years i.e. upto 14.2.2005. In the meantime the mine lease was transferred in favour of M/s Sri Ram Sevak Yadav As per Form I they have mentioned a proposed production figure of 179987.79 tonnes of Limestone per year. The expected life of mine has been indicated as 5 years. The mine lease area located at latitude 22° 22'27" to 22° 23'00" N and longitude 85°43'30" to 85°44'00" E.

Based on the information contained in the documents submitted and the presentation made it was observed the Committee had sought following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of Consent to establish and Consent to Operate.
3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Brief write up on present Environmental conditions w.r.t air and water environment along with data if available.

5. Barajhikpani Limestone Mine is located in the West Singhbhum district. PP has to obtain from DFO about Do's and Don'ts to be followed by PP in respect of Singhbhum Elephant reserve if applicable.
6. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification, 1994 came into force w.r.t. the highest production achieved prior to 1994.
7. Name of Agent since 2003.
8. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the above information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

30. Luti Murup Fireclay Mine of M/s Ram Avatar Singh Village Luti & Murup, PS Balumath, District Latehar, Jharkhand Area (47.61 Ha).

Luti Murup Fireclay Mine spread over an area of 47.61 hectares of M/s Sri Ram Avtar Singh is located in Latehar district of Jharkhand State. Mining lease was granted to Sri Ram Avtar Singh by the Government of Bihar on 16.03.1983 for a period of 20 years i.e. upto 15.3.2003. The lessee applied for renewal of lease on 26.04.2002. However the mine was operated by the lessee upto 2013 without any EC. It was observed that the lessee carried out mining without any consent from State Pollution Control Board (both Bihar and Jharkhand). In view of the above stated facts it was decided that a site visit be undertaken by Shri S B S Chauhan, Dr R P S Sangu and Dr M C Mahata alongwith the next meeting. As per Form I they have mentioned a proposed production figure of 93282 tonnes of Fireclay per year. The mine lease area located at latitude 23° 48'56" to 23° 49'13.2"N and longitude 84°36'30" to 84°36'55.3"E. During the presentation the lessee informed that the site has been inspected by IBM. Lessee was asked to submit copy of inspection reports carried out by IBM.

Based on the information contained in the documents submitted and the presentation made the Committee had sought following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of Consent to establish and Consent to Operate.
3. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
4. Details of flora and fauna as reported in the Project area.
5. Copy of lease document and details of case whereby the mining was stopped by the State Government.

6. Copy of inspection reports conducted by IBM.
7. Undertaking that there will not be any diversion of River and Nallahs in the Project area.
8. Brief write up on present Environmental conditions w.r.t air and water environment along with data if available.
9. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification, 1994 came into force w.r.t. the highest production achieved prior to 1994.
10. Name of Agent since 2003.
11. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the above information and site visit report is examined SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

31. Magnetite Iron Ore Mine of M/s Rajiv Ranjan Gupta Village Charra, PS Balumath, District Latehar, Jharkhand Area (5.04 Ha)

Magnetite Iron ore Mine is spread over an area of 5.04 hectares of M/s Sri Rajiv Ranjan Gupta is located in Latehar district of Jharkhand State. Mining lease was granted to Sri Sri Rajiv Ranjan Gupta by the Government of Bihar on 01.05.1990 for a period of 20 years i.e. upto 30.04.2010. The lessee applied for renewal of lease on 28.05.2010. Lessee informed that he has surrendered 0.83 Ha of forest land i.e. leaving 4.21 Ha for mining purposes. It was observed that the lessee carried out mining without any consent from State Pollution Control Board (both Bihar and Jharkhand). In view of the above stated facts it was decided that a site visit be undertaken by Shri S B S Chauhan, Dr R P S Sangu and Dr M C Mahata alongwith visit to Luti Murup Fireclay Mine of M/s Sri Ram Avtar Singh which is located nearby in continuation of the the next meeting. As per Form I they have mentioned a proposed production figure of 40000 tonnes of Magnetite Iron ore per year. The mine lease area located at latitude 230 51'53.80" to 23055 '22.03"N and longitude 84055'6.30" to 84055'22.03"E. During the presentation the lessee informed that the site has been inspected by IBM. Lessee was asked to submit copy of inspection reports carried out by IBM.

Based on the information contained in the documents submitted and the presentation made the Committee had sought following additional information;

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of Consent to establish and Consent to Operate.



3. Letter from appropriate authority accepting surrender of Forest land. The area surrendered has to be marked on drawing and submitted.
4. Copy of inspection reports conducted by IBM.
5. Details of Plantation carried out and CSR activities carried out by the Mine owner in the past alongwith Photographs.
6. Details of flora and fauna as reported in the Project area.
7. Undertaking that there will not be any diversion of River and Nallahs in the Project area.
8. Brief write up on present Environmental conditions w.r.t air and water environment along with data if available.
9. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification, 1994 came into force w.r.t. the highest production achieved prior to 1994.
10. Name of Agent since 2003.
11. Undertaking from the Board / Management that there will not be any violation in future.

Once the PP provides the above information and site visit Report SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

32. Taratand Stone Quarry of M /s Devendra Prasad Mehta at Village Taratand, District Koderma, Jharkhand (Area 0.558 Ha).

This is a Stone Mining Project for having an area of 0.558 Ha (Plot no 1139P, 1141 and 1144 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. 20.11.2002 for a period of 10 years.. Application for renewal has been filed.

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. The indicated project cost is Rs 34 lakhs and a provision of Rs 6 lakhs (capital) and Rs 4 lakhs (recurring) will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Geological Proved Reserve : 152833 t

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

1 st Year	:	4275 t
2 nd Year	:	4988 t
3 rd Year	:	5700 t
4 th Year	:	7125 t
5 th Year	:	17000 t

The PP has submitted certificates from Circle Officer. PP has to submit certificate from DFO and DMO (stating that there are no contiguous patches and if yes the total sum of all the mining areas is less than 5 Ha). PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs.
4. List of flora and fauna present in the project area and distance from Forest.
5. Progressive Mine Closure Plan.
6. Land use - present at end of mine operation.
7. Production figures are to be indicated in tonnes.
8. Undertaking from the Board / Management that there will not be any violation in future.

RQP is not registered with Government of Jharkhand. He was advised to get himself registered with Government of Jharkhand.

Once the PP provides the information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

33. Taratand Stone Quarry of M /s Devendra Prasad Mehta at Village Taratand, District Koderma, Jharkhand (Area 0.761 Ha).

This is a Stone Mining Project for having an area of 0.761 Ha (Plot No 44). 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. 06.10.2002 for a period of 10 years.. Application for renewal has been filed.

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. The indicated project cost is Rs 25 lakhs and a provision of Rs 4 lakhs (recurring) will be kept for Environment management. The details of mine capacity as provided in Mining Plan are

Geological Proved Reserve

104193 t

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

1 st Year	:	4275 t
2 nd Year	:	4988 t
3 rd Year	:	5700 t
4 th Year	:	7125 t
5 th Year	:	17000 t

The PP has submitted certificates from Circle Officer. PP has to submit certificate from DFO and DMO (stating that there are no contiguous patches and if yes the total sum of all the mining areas is less than 5 Ha). PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by DMO at the time of granting of lease.
2. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
3. Details of CSR activities and Plantation carried out alongwith Photographs
4. List of flora and fauna present in the project area and distance from Forest
5. Progressive Mine Closure Plan.
6. Land use - present at end of mine operation.
7. Production figures are to be indicated in tonnes. Also RQP is to check and confirm production figures which are same for PP's other mine.
8. Undertaking from the Board / Management that there will not be any violation in future.


RQP is not registered with Government of Jharkhand. He was advised to get himself registered with Government of Jharkhand.

Once the PP provides the information SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

D. Projects for which PP has requested SEAC for deferment of date of presentation.

1. Ranjit Kumar Mondal Stone Quarry of M/s Ranjit Kumar Mondal.
2. Iligara Stone Mine of M/s Ram Kripal Singh Construction Pvt. Ltd
3. Ektarva & Parodih Stone Quarry of M/s Maa Tara Stone Works.
4. Kodia Stone Quarry of M/s Raju Kr. Mehta & Manoj Kr. Mehta
5. Ektarwa Stone Quarry of M/s Shiv Jyoti Stone Mineral
6. M/s Ramesh Kumar Khandelwal.


(M. Mahto)
Secretary


(A K Saxena)
Chairman