

MINUTES OF THE 10th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 22nd to 25th OCTOBER 2013

The 10th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 22nd to 25th October 2013 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

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|----|----------------------------|--|
| 1. | Sh. S.B.S Chauhan | - Member |
| 2. | Dr. R.P. Singh Sangu | - Member |
| 3. | Prof. (Dr.) M.C. Mahata | - Member |
| 4. | Er. S.K. Singh | - Member |
| 5. | Prof (Dr) Shatrunjay Singh | - Member Present from 23 rd to 25 th October |
| 6. | Sh. S.K. Sinha | - Secretary Present on 24 th & 25 th October |

At the outset the members of the committee went through the Minutes of 9th Meeting held on 20th to 22nd September 2013 and confirmed the same.

Various projects which were received by SEIAA after the previous SEAC meeting held from 20th to 22 September, 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.

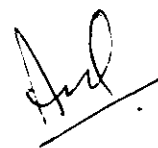
- 1. Stone Quarry of M/s Arun Kumar Ladia Mouza Kakarkudar Karamjora, Plot Nos 482 P, , Tehsil Bengabad, District Giridih, Jharkhand (Area 0.9146 Ha).**

The committee noted that that this is a case of renewal of mining lease. However in Form I it is mentioned that the proposal is for a new Project. The records reveal that the original lease was executed on 21.04.2008 and the same has been transferred to M / s Arun Kumar Ladia on 21.08.2012.

In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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.

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The details of mine capacity as provided in Mining Plan are

Mineable Probable Reserve	:	104513 t
Mineable Possible Reserve	:	556962 t
Total Mineable Reserve	:	661475 t

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

1 st Year	:	13052 t
2 nd Year	:	16365 t
3 rd Year	:	17420 t
4 th Year	:	17685 t
5 th Year	:	19440 t

Considering 300 working days the maximum capacity of mine production i.e. the daily output would be 64.8 tonnes.

PP has provided the desired information / clarifications. Committee was satisfied with the same.

Based on the information provided the Committee recommends that the proposal of M / s Arun Kumar Ladia Mouza Kakarkundar Karamjora, Tehsil Bengabad, District Giridih, Jharkhand (Area 0.9146 Ha) be recommended for consideration of SEIAA for grant of EC.

SEIAA may look into the issue related to registration of RQP with Department of Mines, Government of Jharkhand. As per Secretary (Mines & Geology), Govt. of Jharkhand office order No [No.- 1456.dtd- 12-06-2013], a number of RQP's have been identified. Mine Plans prepared by these RQP's only are to be submitted to Director (Mines), Govt. of Jharkhand for approval. The RQP's who prepare mine plans for projects and are not registered with Department of Mines, Govt. of Jharkhand have to get themselves registered so that approval of mine plans can be processed expeditiously.

The RQP Shri S M Patro who has prepared the Mine Plan and Report should get himself registered with Department of Mines, Govt. of Jharkhand within a month so that Mine Plans are approved expeditiously.

The various conditions for grant of EC are given below.

A. Specific Conditions

1. The environmental clearance is subject to transfer / permission for continuation 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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.
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 including rivers. 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.
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/Authority.

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/*Authority*
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 .
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 balance period of lease i.e. upto 23.04.2018 for the mine. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
 3. The RQP Shri S M Patro who has prepared the Mine Plan and Report for the Project should get himself registered with Department of Mines, Government of Jharkhand within a month so that Mine Plans are approved within three months in line with SEIAA Guidelines.
 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.
- 2. Stone Quarry of M /s Md Afroz Alam, Village Karmatand, Plot No 194, PO Gandey, District Giridih, Jharkhand (Area 0.77 Ha).**

The committee noted that as per Form I and Mine Plan it is a proposal for renewal of lease. The original lease was granted from 26.02.2003 and was valid for a period of 10 years. PP

has applied for renewal for which he needs an EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Probable Reserve	:	224845 t
Mineable Possible Reserve	:	468668 t
Total Mineable Reserve	:	693513 t

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

1 st Year	:	15552 t
2 nd Year	:	26797 t
3 rd Year	:	35073 t
4 th Year	:	38537 t
5 th Year	:	42055 t

Considering 300 working days the maximum capacity of mine production i.e. the daily output would be 140.18 tonnes.

PP has provided the desired information / clarifications as desired by the Committee.

Based on the information provided the Committee recommends that the proposal of M /s Md Afroz Alam, Village Karmatand, PO Gandey, District Giridih, Jharkhand (Area 0.77 Ha) be recommended for consideration of SEIAA for grant of EC.

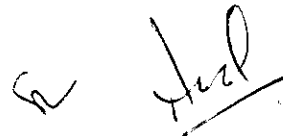
SEIAA may look into the issue related to registration of RQP with Department of Mines, Government of Jharkhand. As per Secretary (Mines &Geology), Govt. of Jharkhand office order No [No.- 1456.dtd- 12-06-2013], a number of RQP's have been identified. Mine Plans prepared by these RQP's only are to be submitted to Director (Mines),Govt. of Jharkhand for approval. The RQP's who prepare mine plans for projects and are not registered with Department of Mines, Govt. of Jharkhand have to get themselves registered so that approval of mine plans can be processed expeditiously.

The RQP Shri S M Patro who has prepared the Mine Plan and Report should get himself registered with Department of Mines, Govt. of Jharkhand within a month so that Mine Plans are approved expeditiously.

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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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.
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 including rivers. 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.
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/*Authority*
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/*Authority*.
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.

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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 .
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 period of lease renewal for the mine (10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. The RQP Shri S M Patro who has prepared the Mine Plan and Report for the Project should get himself registered with Department of Mines, Government of Jharkhand within a month so that Mine Plans are approved within three months in line with SEIAA Guidelines.
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.

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3. Dugdugia Stone Mine of Sri Soma Munda at Village Dugdugia, Plot No 1245 P, P. O. Fudi, Dist Khunti, Jharkhand (Area 2.87 Ha).

This is a Stone Mining Project for having an area of 2.67 Ha. The mine is owned by Sri Soma Munda and operated under Power of Attorney by Sri Suresh Kumar Sahu. The lease was allotted from 28.03.2012 and is valid up to 27.03.2022. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

I. Proved Reserve	:	227,000 t
II. Probable Reserve	:	53,000 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	Nil
2 nd Year	:	27,612 t
3 rd Year	:	27,612 t
4 th Year	:	27,613 t
5 th Year	:	27,613 t

PP has provided the desired information / clarifications. Committee was satisfied with the same.

Based on the information provided the Committee recommends that the proposal of Dugdugia Stone Mine of Sri Soma Munda at Village Dugdugia, P. O. Fudi, Dist Khunti, Jharkhand (Area 2.87 Ha) be recommended for consideration of SEIAA for grant of EC.

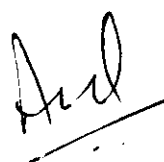

SEIAA may look into the issue related to registration of RQP with Department of Mines, Government of Jharkhand. As per Secretary (Mines & Geology), Govt. of Jharkhand office order No [No.- 1456.dtd- 12-06-2013], a number of RQP's have been identified. Mine Plans prepared by these RQP's only are to be submitted to Director (Mines), Govt. of Jharkhand for approval. The RQP's who prepare mine plans for projects and are not registered with Department of Mines, Govt. of Jharkhand have to get themselves registered so that approval of mine plans can be processed expeditiously.

The RQP Dr. G S Jaiswal who has prepared the Mine Plan and Report should get himself registered with Department of Mines, Govt. of Jharkhand within a month so that Mine Plans are approved expeditiously.

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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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.
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 including rivers. 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.

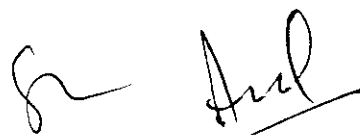


12. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted.
13. Effective safeguard measures such as regular 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 / Authority.
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 / Authority.
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 .
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 Parishad / 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 be submitted 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 upto 27.03.2022 for the mine. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. The RQP Dr. G S Jaiswal who has prepared the Mine Plan and Report for the Project should get himself registered with Department of Mines, Government of Jharkhand within a month so that Mine Plans are approved within three months in line with SEIAA Guidelines.
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.

4. Mahuatanr Stone Mine of M/s Shri Ram Manohar, Village Mahuatanr, Plot Nos 4P, 7, 10, 11, 12 &13, P.S-Barhi, District Hazribagh, Jharkhand (0.84 Ha).

This is a Stone Mining Project for having an area of 0.84 Ha. The mine is owned by Sri Ram Manohar. The lease was allotted from 27.04.2012 and is valid up to 26.04.2022. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

1. Mineable Proved Reserve : 45,151 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	4447 t
2 nd Year	:	4479 t
3 rd Year	:	4414 t
4 th Year	:	4463 t
5 th Year	:	4493 t

PP has provided the desired information / clarifications. Committee was satisfied with the same.

Based on the information provided and presentation made the Committee recommends that the proposal of Mahuatanr Stone Mine of M/s Shri Ram Manohar, Village Mahuatanr, P.S-Barhi, District Hazribagh, Jharkhand (0.84 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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance.

Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.

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.
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.
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 including rivers. 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.
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. *Authority*
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. *Authority.*
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 .
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 lease i.e. up to 26.04.2022. 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. Stone Quarry of M /s Om Stones Industries, Village Tham, Plot Nos 4843 P to 4878 P & 4882 P, Tehsil Chandwara, District Koderma, Jharkhand (Area1.52 Ha).

The committee noted that it is a proposal for renewal of lease. The original lease was granted from 16.01.2003 and was valid for a period of 10 years. PP has applied for renewal for which he needs an EC. In view of the size of the mine, production rate and the mineral

mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	197046 t
Mineable Probable Reserve	:	26997 t
Total Mineable Reserve	:	224043 t

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

1 st Year	:	22672 t
2 nd Year	:	21686 t
3 rd Year	:	23819 t
4 th Year	:	21800 t
5 th Year	:	21762 t

Considering 300 working days the maximum capacity of mine production i.e. the daily output would be 70 tonnes.

PP has provided all information along with the proposal.

Based on the information provided and presentation made the Committee recommends that the proposal of M /s Om Stones Industries, Village Tham, Tehsil Chandwara, District Koderma, Jharkhand (Area 1.52 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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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/^{Authority} 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.

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 including rivers. 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.
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.^{Authority}.
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.^{Authority}.
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 .
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.

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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 be sent to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for period of lease renewal for the mine (10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
6. **Saroj Minz Stone Mine at Village Karoundajor, Plot No 1827 P, Tehsil Bharmo, District Gumla, Jharkhand (0.81 Ha).**

This is a Stone Mining Project for having an area of 0.81 Ha. PP has applied for grant of mining lease. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Proved Reserve	:	493920 t
Probable Reserve	:	98784 t
Possible Reserve	:	65856 t
Total Reserve	:	658560 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	60000 t
2 nd Year	:	60000 t
3 rd Year	:	60000 t
4 th Year	:	60000 t
5 th Year	:	60000 t


Targeted production capacity of mine i.e. the daily output would be 200 tonnes. based on 300 working days.

PP has provided the desired information / clarifications. Committee was satisfied with the same.

Based on the information provided and presentation made the Committee recommends that the proposal in respect of Saroj Minz Stone Mine at Village Karoundajor, Tehsil Bharmo, District Gumla, Jharkhand (0.81 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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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.



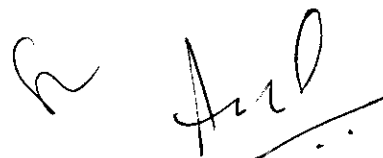
6. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
7. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation 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 including rivers. 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.
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 */authority*.
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 */authority*.
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.

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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 .
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 mining lease (10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.. .
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
7. **Kailadhab Stone Mines of M/ s Shiv Guru Stone Works at Village Kailadhab, Plot No. 135, 136 P, 137, P.O. Tara, P.S. Jamua, Dist – Giridih, Jharkhand (Area 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 for period starting 8th April 2002 for a term of 10 years. This lease was granted in favour of M / s Raj Minerals Prop. Shri Manzoor Alam. The said lease was transferred in favour of M/ s Shiv Guru Stone Works a partnership firm vide indenture dated 10th February 2004.

In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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.

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The details of mine capacity as provided in Mining Plan are

Proved Reserve	:	201343 cu.m	503358 t
Probable Reserve	:	73333 cu.m	183332 t
Inferred Reserve	:	58664 cu.m	146660 t
Total Reserve	:	333340 cu,m,	833350 t

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

1 st Year	:	12516 cu.m	31290 t
2 nd Year	:	15107 cu.m.	37768 t
3 rd Year	:	11194 cu.m.	27985 t
4 th Year	:	18389 cu.m.	45973 t
5 th Year	:	22776 cu.m	56940 t

The existing capacity of mine is 159 t / day as indicated in Form I. In Form I it has been indicated that peak capacity would be 22776 cu.m or 56940 t per annum. Considering 300 days of operation the daily peak capacity works out to be about 190 t / day.

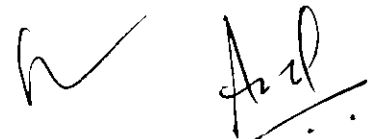
PP has provided the desired information / clarifications. Committee was satisfied with the same.

Based on the information provided and presentation made the Committee recommends that the proposal in respect of Kailadhab Stone Mines of M/ s Shiv Guru Stone Works at Village Kailadhab, P.O. Tara, P.S. Jamua, Dist – Giridih, Jharkhand (Area 1.0 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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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.
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 including rivers. 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.
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 / Authority.
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 / Authority.
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.

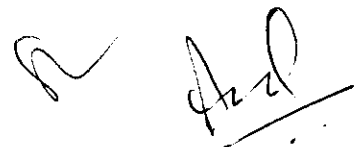
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18. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders 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 .
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 mining lease (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. Jatpura Khurd Stone Mine of M/s Basant Keshri at Village Jatpura, Plot No 02 P, PO Ramna, Dist – Garhwa, Jharkhand (Area 0.303 Ha).**

This is a Stone Mining Project for having an area of 0.303 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. 07.02.2004 for a period of 10 years. PP proposes to expand the capacity from present level (2012 -13) of 8497 TPA to 8670 TPA. The committee noted that maximum production from mine was 7540 TPA during 2006 – 07. The committee noted that the size of the mine, production rate and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	36000 t
Mineable Probable Reserve	:	18000 t
Inferred Reserve	:	43000 t
Total Reserve	:	97000 t

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

1 st Year	:	1416 t
2 nd Year	:	8497 t
3 rd Year	:	8497 t
4 th Year	:	8497 t
5 th Year	:	8497 t

The PP has submitted certificates from Circle Officer, DFO and DMO. On going through the Certificate issued by Circle Officer it was observed that the distance of Mine from River is 220m. The committee noted that as per JSPCB Notification No 1163 dated 22.03.2005 the distance of Stone Mines from river has been kept as 100m. Since this mine has been in operation for nearly 10 years the Committee felt that the proposal may be considered provided that PP takes precautions that the Mine does not get inundated. In addition to above PP has also submitted Compliance Report on conditions stipulated by DMO at the time of granting of lease, Compliance Report on conditions stipulated by JSPCB at the time of granting of consent and Undertaking from the Board / Management that there will not be any violation in future. The Committee was satisfied with the information.

Based on the information provided the Committee recommends that the proposal of Jatpura Khurd Stone Mine of M/s Basasnt Keshri at Village Jatpura Khurd, PO Garhwa, Dist – Garhwa, Jharkhand (Area 0.303 Ha) be recommended for consideration of SEIAA for grant of EC.

SEIAA may look into the issue related to registration of RQP with Department of Mines, Government of Jharkhand. As per Secretary (Mines & Geology), Govt. of Jharkhand office order No [No.- 1456.dtd- 12-06-2013], a number of RQP's have been identified. Mine Plans prepared by these RQP's only are to be submitted to Director (Mines), Govt. of Jharkhand for approval. The RQP's who prepare mine plans for projects and are not registered with Department of Mines, Govt. of Jharkhand have to get themselves registered so that approval of mine plans can be processed expeditiously.

The RQP Dr G S Jaiswal who has prepared the Mine Plan and Report should get himself registered with Department of Mines, Govt. of Jharkhand within a month so that Mine Plans are approved expeditiously.

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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance.

Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.

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.
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 should highlight the precautions taken to avoid inundation from River. The Mining Plan has to be got approved by concerned authorities as per SEIAA 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 including rivers. 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.
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/*Authority*.
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/*Authority*.
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 .
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 period of lease renewal for the mine (10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. The RQP Dr. G S Jaiswal who has prepared the Mine Plan and Report for the Project should get himself registered with Department of Mines, Government of Jharkhand within a month so that Mine Plans are approved within three months in line with SEIAA Guidelines.
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.
9. **Jogiral Khurd Stone Mine of M/s Keshri Industries at Village Jogiral Khurd, Plot No. 481, PO Garhwa, Dist – Garhwa, Jharkhand (Area 3.24 Ha).**

This is a Stone Mining Project for having an area of 3.24 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. 07.02.2004 for a period of 10 years. PP proposes to expand the capacity from present level (2012 -13) of 8497 TPA to 84963 TPA. The committee noted that maximum production from mine was 28823 TPA during 2007 - 08 . The committee noted that the size of the mine, production rate and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	1050000 t
Mineable Probable Reserve	:	270000 t
Inferred Reserve	:	232000 t
Total Reserve	:	1552000 t

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

1 st Year	:	14161 t
2 nd Year	:	84963 t
3 rd Year	:	84963 t
4 th Year	:	84963 t
5 th Year	:	84963 t

The PP has submitted certificates from Circle Officer, DFO and DMO. On going through the Certificate issued by Circle Officer it was observed that the distance of Mine from River is 220m. The committee noted that as per JSPCB Notification No 1163 dated 22.03.2005 the distance of Stone Mines from river has been kept as 100m. Since this mine has been in operation for nearly 10 years the Committee felt that the proposal may be considered provided that PP takes precautions that the Mine does not get inundated. In addition to above PP has also submitted Compliance Report on conditions stipulated by DMO at the time of granting of lease, Compliance Report on conditions stipulated by JSPCB at the time of granting of consent and Undertaking from the Board / Management that there will not be any violation in future. The Committee was satisfied with the information.

Based on the information provided the Committee recommends that the proposal of Jogiral Khurd Stone Mine of M/s Keshri Industries at Village Jogiral Khurd, PO Garhwa, Dist – Garhwa, Jharkhand (Area 3.24 Ha) be recommended for consideration of SEIAA for grant of EC.

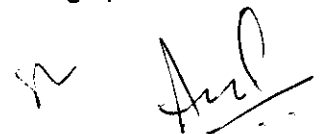
SEIAA may look into the issue related to registration of RQP with Department of Mines, Government of Jharkhand. As per Secretary (Mines & Geology), Govt. of Jharkhand office order No [No.- 1456.dtd- 12-06-2013], a number of RQP's have been identified. Mine Plans prepared by these RQP's only are to be submitted to Director (Mines), Govt. of Jharkhand for approval. The RQP's who prepare mine plans for projects and are not registered with Department of Mines, Govt. of Jharkhand have to get themselves registered so that approval of mine plans can be processed expeditiously.

The RQP Dr G S Jaiswal who has prepared the Mine Plan and Report should get himself registered with Department of Mines, Govt. of Jharkhand within a month so that Mine Plans are approved expeditiously.

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 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 including such area which is recorded as jungle / jhar in the revenue records without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines and no damage should be caused to the nearby forest area.
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.
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 should highlight the precautions taken to avoid inundation from River. The Mining Plan has to be got approved by concerned authorities as per SEIAA 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 including rivers. 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.
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/*Authority*.
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/*Authority*.
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.

Handwritten initials 'R' and a signature 'A. P.' with a horizontal line underneath.

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 .
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 period of lease renewal for the mine (10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. The RQP Dr. G S Jaiswal who has prepared the Mine Plan and Report for the Project should get himself registered with Department of Mines, Government of Jharkhand within a month so that Mine Plans are approved within three months in line with SEIAA Guidelines.
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.

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

1. **Brahmandungri Soapstone Mines of M/s Ganga Engineering, Village- Brahmandungri , Thana-Rajnagar, Dist.- Saraikela-Kharsawan, Jharkhand (Area 31.36Ha).**

This is a Soapstone Mining Project having a lease area of 31.36 Ha. The lease was executed on 07.03.2005 for a period of 20 years. The mine was closed in 2012 due to non issue of Mining Challan. PP has not obtained EC earlier and has applied for TOR (Pre Environmental Clearance) once the Mining Challan was denied. As per Form I the PP proposes to mine 10,144 tonnes of Soapstone per year. As per Pre Feasibility Report the total Geological reserves are 3,99,488 tonnes and mineable reserves are 3,42,662 tonnes. The life of mine has been indicated as 27 years based on current reserves and 295 working days. This project falls under 'B1' Category and is for consideration for issuance of TORs. The mine is located between 86°08'44" to 86°09'8.5" E and 22°43'8.67" to 22°43'31.49"N. The PP alongwith his Consultant M / s Grass Roots Research and Creation India (P), Ltd,



New Delhi was present. The PP was also directed to provide annual production figure from the date of sanction of Mining lease till 2012.

As recorded in the previous meeting the committee was not satisfied with the details furnished during the presentation and decided that a team visits site. A team consisting of Shri S K Singh, and Prof (Dr) M C Mahata Members, SEAC Jharkhand visited the Soapstone mine in Jamshedpur on 5th October. The members after visit have submitted their Report (Copy enclosed). Considering the observations made during the visit discussions were held with PP and their Consultant.

PP has submitted the above information except for compliance Report for conditions imposed at the time of granting Mine Lease for which he has applied to DMO Saraikela - Kharaswan for same. On seeing the records of production it is observed that the mining continued after 2006 without environmental clearance and there is also an increase in production after 2006 without EC when the EIA stipulations were in force. This a case of violation and an undertaking by the Management stating that that there will not be any violation in future has been 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 12th to 14th August 2013 and during 20th to 22nd September, 2013, site visit and discussions the Committee suggests the following TORs for consideration of SEIAA for undertaking detailed EIA / EMP study. Also SEIAA is requested to write a letter to the State Government to take credible action under EP Act 1986 for violation under the Act. Details of the case are to be made available to SEAC so that the case for Environmental Clearance may be considered along with other formalities.

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.

Compliance Report on conditions stipulated by DMO at the time of granting of lease shall be submitted in the EIA Report.

8. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
9. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated.
10. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted. Plan for development of garland drains should be included in EIA Report.
11. Details of the land for OB dump outside the mine lease such as extent of land area, distance from mine lease, its land use, R&R issues, if any should be given.
12. High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area (core and buffer zone) should be furnished.
13. A Certificate from the Competent Authority in the State Forest Department / Revenue Authority should be provided, confirming the involvement of forest land (area including such area which is recorded as jungle / jhar), if any in the project area, or otherwise, based on land use classification (revenue record) as also in terms of the definition of forest as pronounced in the judgment of the Hon'ble Supreme Court of India in the matter of T.N. Godavarman Vs. Union of India. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
14. Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
15. Implementation of status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
16. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigative measures required should be worked out with cost implications and submitted.
17. The vegetation in the RF / PF area with necessary details should be given.
18. A study shall be got done to ascertain the impact of the mining project on wildlife of the area including on the elephant population and details furnished. Distance of nearest elephant corridor is to be indicated in EIA Report.



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

28. Details of water conservation measures proposed to be adopted in the project should be given. Sanitary waste water will be treated and used. Scheme should be included in EIA Report.
29. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
30. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Board Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
31. Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.
32. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground Water Board/authority.
33. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and below ground level. A schematic diagram may also be provided for the same.
34. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out). Overburden lying on road is to be suitably relocated to the designated area.
35. The reclamation plan, mine closure plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
36. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. The Ukam – Rajgang road which runs adjacent to the mining lease should be protected and a gap of 20 to 30 m should be kept from mining operations. Approach road and internal roads are to be made pucca and scheme for water sprinkling to avoid dust generation is to be included in EIA Report.
37. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.

38. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
39. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The species selected should be able to thrive on low nutrient soil. They should be able to adapt to local conditions and should be resistant to drought and extreme temperatures. PP should take up this activity immediately and the details of plantation done should be given in EIA Report.
40. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre placement medical examination and periodical medical examination schedules should be incorporated in the EMP. This should also include plan for periodical health checks and safety of staff and workers.
41. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
42. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation. Drinking water and health facilities are to be considered as a part of CSR activities. PP should take up same immediately.
43. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
44. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
45. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
46. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

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

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.

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

The EIA report should also include

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

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

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

2. **M/s Upcountry Cement Private Limited's 2 X 75 tpd Cement Grinding at Village Jangalpur, Tehsil- Govindpur, District Dhanbad, Jharkhand.**

The PP and their consultant, M/s. ANACON Laboratories (I) Pvt Ltd, Nagpur gave a presentation on the salient features of the project and proposed environmental protection measures to be undertaken. PP made a request to treat this Project under B2 Category. The committee was not satisfied with the details furnished during the presentation and asked PP to come back with corrections / modifications during forthcoming meeting of SEAC. The Committee considered the request of PP and keeping in view that MOEF had granted B2

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Category to a similar project i.e. M/s Mittal Cement agreed to the same. The Committee exempted the proposal from Public Hearing by categorizing it as B2 Category. In the meeting held on 22nd to 25th October, 2013 the PP informed that they have changed their consultant and came along with representatives of M/s Visiontech Consultancy Services Private Limited, Bhubaneswar to make the presentation.

M/s. Upcountry Cement Private Ltd have proposed setting up of a Cement Grinding unit of 45,000 TPA Capacity by grinding of Clinker, Gypsum and Blast Furnace Slag at Village Jangalpur, Tehsil Govindpur, District. Dhanbad, Jharkhand. The project will be set up in two Phases each of 22,500 TPA Capacity. The total Plant area is 1.68 acres which has already been acquired. There are no National Park, Wildlife Sanctuary, Biosphere Reserve exist within 10 km radius of the study area. Total cost of the project is Rs. 2.46 Crores. Annual Cost towards Environmental Protection Measures is Rs. 2 Lakhs /annum.

PP informed that he will procure Clinker, Blast Furnace Slag and Gypsum through local agents / suppliers. To control particulate emissions, all major sources of air pollution shall be provided with Bag filters PP informed that he will adopt sun drying for BF Slag. No solid waste is generated in cement manufacturing process. Dust collected from the pollution control equipments is recycled back to the process.

The proposal was exempted from public hearing due to use of energy efficient technology, no clinker manufacturing at the proposed site, no sensitive area within 10 km. radius, 'zero' effluent discharge, utilization of all the solid waste in the process itself including utilization of fly ash etc.

Based on the information contained in the documents submitted and presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meeting held from 22nd to 25th October, 2013 the Committee suggests the following TORs for the Cement Grinding Unit of M/s Upcountry Cement Private Limited for consideration of SEIAA for undertaking detailed EIA / EMP 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. Proposal should include necessary documents indicating acquisition of land.
5. A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
6. 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.

7. Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing land use / land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site.
8. A list of industries within 10 km radius of the plant area should be included in the EIA / EMP Report.
9. Details and classification of total land (identified and acquired) should be included.
10. Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) dumping, waste disposal, green areas, water bodies, rivers/drainage passing through the project site should be included.
11. List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
12. Quantification & Characterization of solid / hazardous waste & its action plan for management should be included.
13. Mass balance for the raw material and products should be included.
14. Energy balance data for all the components of plant should be incorporated.
15. Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.
16. Ambient air quality at 8 locations within the study area of 10 km., aerial coverage from project site with one AAQMS in downwind direction should be carried out.
17. The suspended particulate matter present in the ambient air must be analyzed for the presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction. Chemical characterization of RSPM and incorporating of RSPM data.
18. Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.
19. Air quality modeling for specific pollutants needs to be done. APCS for the control of emissions should also be included to control emissions within 50 mg/Nm³.
20. Ambient air quality as per National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be included.
21. Air Quality Impact Prediction Modeling based on ISCST-3 or the latest models.
22. Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.
23. 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.

24. Presence of aquifer / aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.
25. Source of surface / ground water level, site (GPS), cation, anion (Ion Chromatograph), metal trace element (as above) chemical analysis for water to be used. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.
26. Ground water analysis with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.
27. 'Permission' for the drawl of water should be obtained. Water balance data must be provided. A note on the impact of drawl of water on the nearby River during lean season.
28. 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*
29. Surface water quality of nearby River (60 m upstream and downstream) and other surface drains at eight locations must be ascertained.
30. If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1:10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
31. Pretreatment of raw water, treatment plant for waste water should be described in detail.
32. Ground water monitoring minimum at 8 locations and near solid waste dump zone, Geological features and Geo-hydrological status of the study area are essential as also. Ecological status (Terrestrial and Aquatic) is vital.
33. Action plan for solid / hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included.
34. 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.
35. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.
36. Geo-technical data by a bore hole of upto 40 mts. in every One sq. km area such as ground water level, SPTN values, soil fineness, geology, shear wave velocity etc. for liquefaction studies and to assess future Seismic Hazard and Earthquake Risk Management in the area and impacts due to landslides.
37. Disaster Management Plan including risk assessment and damage control needs to be addressed and included.

38. 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.
39. 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.
40. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
41. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof should be included in the EIA Report..

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

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of LPG Bottling projects as prescribed by the Ministry shall also be filled and submitted.
- f) All statutory clearances obtained for the project shall be included in the EIA Report.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered.

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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. **Pakhar Bauxite Mine Project of, Smt. Jayawanti Kumari Bhagat, Village Pakhar, P.S. Kisko, Dist.- Lohardaga, Jharkhand (Area 35.828 Ha).**

This is a Bauxite Mining Project having a lease area of 35.828 Ha. As per the documents provided the Mining lease was executed on 03.06.1986 and was valid for 20 years. PP had applied to District Mining Office, Lohardaga of Department of Mines & Geology, Government of Jharkhand on 31.05.2005 for renewal of lease. The PP has applied to Member Secretary, SEIAA, Jharkhand for grant of TOR. This project falls under 'B1' Category. As per Form I they have mentioned a proposed production figure of 60,921 tonnes of Bauxite per year. As per Executive Summary the mineable reserves are 3,23,396 tonnes. The life of mine has been indicated as 6 years based on current reserves and 295 working days. The mine is located between 84°35'05" to 84°35'09" E and 23°33'55.6" to 23°34'18.64"N.

PP has provided the information desired by the Committee in the previous meeting. On seeing the records of production it is observed that the mining continued after expiry of mining lease on 03.06.2006 without environmental clearance and there is also an increase in production after 1994 and also after 2006 without EC when the EIA stipulations were in force. This a case of violation and as desired by Committee an undertaking by the Management stating that that there will not be any violation in future has been submitted.

The Committee informed PP that EC will not be considered till PP obtains a certificate from Competent Authority stating that no Forest Land is involved in the mining area. In case PP has surrendered any Forest Land then he has to produce a document from competent authority stating that the surrendered Forest Land has been accepted by it. PP was advised to get the Mine Plan prepared only on non forest land.

It was decided to request SEIAA to write a letter to the State Government to take credible action under EP Act 1986 for violation under the Act. Details of the case are to be made available to SEAC so that the case for Environmental Clearance may be considered along with other formalities.

The committee during the meeting held on 20.09.2013 had decided that a team visits site. Accordingly a team consisting of Shri S B S Chauhan, Prof (Dr) M C Mahata and Shri R P S Sangu Members, SEAC Jharkhand visited Pakhar Bauxite mines on 26th October 2013.

Once the site visit Report is submitted and PP revises his documents SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

2. **Rangamatia Pyrophyllite Mine of M/s Rungta Mines Ltd. Village Rangamatia, Tehsil Saraikela, District Saraikela – Kharsawan, Jharkhand Area (8.866 Ha)**

Rangamatia Pyrophyllite Mine over 8.866 hectares of M/s Rungta Mines Ltd. is located in the Saraikela – Kharsawan district of Jharkhand State. Mining lease was granted to M/s Rungta Mines Limited by the Mining and Geology Department, Directorate of Mine, Government of Jharkhand vide letter no. 3/BM-4-01/97/933/M, Ranchi dated 01.09.2003. As per Form I they have mentioned a proposed production figure of 8,590 tonnes of Pyrophyllite per year. As

per Executive Summary the proved reserves are 4,45,856 tonnes. The life of mine has been indicated as 52 years based on current reserves and 300 working days. The mine lease area located at latitude 22°45'39.27" to 22°45'27.33" and longitude 86°01'33.64" to 86°01'19.34". It is a semi- mechanized opencast mine with the presence of medium to high grade Pyrophyllite industrial mineral.

Based on the information contained in the documents submitted and the presentation made it was observed that this is a case of Violation. The Committee 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. Year-wise production details since grant of lease should be given. The committee noted that this is a case of violation of EP Act 1986 and EIA Notification 1994. After receipt of above information a formal request shall be made to SEIAA to write a letter to the State Government to take credible action under EP Act 1986 for violation under the Act.
6. Name of Agent since 2003.
7. Undertaking from the Board / Management that there will not be any violation in future.

The committee was not satisfied with the details furnished during the presentation and decided that a team consisting of Shri S B S Chauhan, Prof (Dr) M C Mahata and Shri R P S Sangu Members, SEAC Jharkhand will visit the Pyrophyllite mine and submit their Report. This visit will be planned in continuation of next meeting of SEAC in November.

Once the site visit is completed & Report received and PP revises his documents SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

3. 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. The Committee 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.

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

4. 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 various leases.

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

5. Gourangkocha Stone Deposit of M/s Sun Eco Trading Pvt. Ltd.,Village Gourangkocha, Taluka-Ichagarh , Dist.- Saraikela-Kharsawan, Jharkhand. (Area 1.2146 Ha).

The committee noted that this is a proposal for renewal of lease. The earlier lease was transferred on 04.06.2011 to the present lessee and was valid upto 04.11.2012. PP was asked to provide copy of earlier lease also. The certificate provided by DMO was seen by the Committee and asked the PP to get the same modified. As requested by the Committee in previous meeting RQP for this Project Dr G S Jaiswal explained about the Mine Plans.

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

6. Stone Quarry of Shri Ramesh Kumar Khandelwal at Village Mandardih, Block Bengabad, Dist Giridih, Jharkhand (Area 0.364 Ha).

The committee noted that this is a proposal for renewal of lease. The earlier lease was initialed on 24th May 2003 and was valid for 10 years. PP has applied for renewal for which he needs an EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Reserve	:	14094 t
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Year-wise Production as proposed under Mining Plan for five years is as follows

1 st Year	:	2349 t
2 nd Year	:	2531 t
3 rd Year	:	2653 t
4 th Year	:	2795 t
5 th Year	:	2957 t

PP has provided the desired information / clarifications. Committee was satisfied with the same. However regarding production figures it was noticed that in Form I the annual production has been mentioned as 13284 t. The committee also noticed that the details of reserves mentioned have to be checked by RQP. RQP was not present during the meeting. PP's representative - their consultant was informed about the same. Consultant in this case M/s Anacon Laboratories, Nagpur informed that he will get the Mine Plan rechecked and submit the same for consideration of the Committee.

Once the PP provides the confirmation about the figures mentioned in Mine Plan SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.

7. Alagdesi Stone Mine of M/s Lallan Kumar Mehta, Vill- Ektarwa, Tehsil-Dhanwar, Dist.- Giridih, Jharkhand.(Area 0.355 Ha)

This is a Stone Mining Project for having an area of 0.355 Ha. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of

the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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.

During the meeting PP and RQP informed that their Mine Plan has been modified and submitted copies of same and Form I also. They informed that earlier the production rate considered was 40 tpd which has been modified to 25 tpd

The details of mine capacity as provided in Mining Plan are

I.	Proved Reserve	:	70,118 t
II.	Probable Reserve	:	1,36,000 t
III.	Possible Reserve	:	19,742 t
IV.	Total Reserve	:	2.25,860 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	8,924 t
2 nd Year	:	5,584 t
3 rd Year	:	5,579 t
4 th Year	:	4,374 t
5 th Year	:	3,847 t

The PP has submitted certificates from Circle Officer, DFO and DMO. The Committee was satisfied with the replies except for non clarity in certificate issued by DMO. PP was advised to get the same revised and submit the same. PP was advised to submit Annexure 2 of SEIAA Guidelines duly filled in and signed by him. In addition PP was asked to submit following additional information.

- a. Map showing safety zone and green belt development plan along the mine and on safety zone.
- b. Mine closure and landuse plan
- c. Requirement of water and its source
- d. Copy of presentation material

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

8. **Kodai Stone Quarry of M/s Raju Kumar Mehta & Manoj Kumar Mehta, Vill-Kodai, Tehsil-Giridih ,Dist.- Giridih, Jharkhand. (Area 0.538 Ha)**

This is a Stone Mining Project for having an area of 0.538 Ha. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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.

During the meeting PP and RQP informed that their Mine Plan has been modified and submitted copies of same and Form I also. They informed that earlier the production rate considered was 100 tpd which has been modified to 60 tpd

The details of mine capacity as provided in Mining Plan are

I.	Proved Reserve	:	4,09,600 t
II.	Probable Reserve	:	2,72,225 t
III.	Possible Reserve	:	3,49,536 t
IV.	Total Reserve	:	10,31,361 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	9,180 t
2 nd Year	:	8,854 t
3 rd Year	:	12,976 t
4 th Year	:	17,744 t
5 th Year	:	25,070 t

The PP has submitted certificates from Circle Officer and DMO. The Committee was satisfied with the replies except for non clarity in certificate issued by DMO. PP was advised to get the same revised and submit the same. PP was advised to submit certificates from DFO and Annexure 2 of SEIAA Guidelines duly filled in and signed by him. In addition PP was asked to submit following additional information.

- Map showing safety zone and green belt development plan along the mine and on safety zone.
- Mine closure and landuse plan
- Requirement of water and its source

- d. Distance from nearest Forest
- e. Copy of presentation material

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

9. Ektarwa Stone Quarry of M/s Shiv Jyoti Stone Minerals,Vill- Ektarwa, Tehsil-Dhanwar, Dist.- Giridih, Jharkhand. (Area 0.809 hac)

This is a Stone Mining Project for having an area of 0.809 Ha. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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.

During the meeting PP and RQP informed that their Mine Plan has been modified and submitted copies of same and Form I also. They informed that earlier the production rate considered was 100 tpd which has been modified to 50 tpd

The details of mine capacity as provided in Mining Plan are

I.	Proved Reserve	:	1,55,463 t
II.	Probable Reserve	:	1,44,630 t
III.	Possible Reserve	:	2,00,714 t
IV.	Total Reserve	:	5,00,807 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	15,054 t
2 nd Year	:	15,245 t
3 rd Year	:	23,959 t
4 th Year	:	23,790 t
5 th Year	:	30,526 t

The PP has submitted certificates from Circle Officer, DFO and DMO. The Committee was satisfied with the replies except for non clarity in certificate issued by DFO and DMO. PP was advised to get the certificates from DMO revised and submit the same. PP was also advised to submit certificates from DFO / Circle Officer that the said land is Jungle - Jhari land. PP is also to submit Annexure 2 of SEIAA Guidelines duly filled in and signed by him. In addition PP was asked to submit following additional information.

- a. Map showing safety zone and green belt development plan along the mine and on safety zone.
- b. Mine closure and landuse plan
- c. Requirement of water and its source
- d. Distance from nearest Forest
- e. Copy of presentation material

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

10. 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. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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.

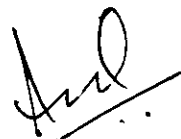
The details of mine capacity as provided in Mining Plan are

I. Mineable Proved Reserve	:	7,90,004 t
II. Mineable Probable Reserve	:	24,948 t
III. Total Reserve	:	8,14,952 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure 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. 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 and details of Challans issued by Mining authorities.
7. Undertaking from the Board / Management that there will not be any violation in future.

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

11. Iligara Stone Mine of M/s Ram Kripal Singh Construction Pvt. Ltd ,Village Iligara, P.S-Hatgamaria, District West Singhbhum, Jharkhand.(1.837Ha).

This is a Stone Mining Project for having an area of 1.837 Ha. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

I.	Mineable Proved Reserve	:	1,80,114 t
II.	Mineable Probable Reserve	:	28,817 t
III.	Total Reserve	:	2,08,931 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	20,763 t
2 nd Year	:	22,475 t
3 rd Year	:	21,254 t
4 th Year	:	20,892 t
5 th Year	:	20,606 t

The PP has submitted certificates from Circle Officer and DFO. The Committee was satisfied with the replies except for mention of Singhbhum Elephant reserve in the certificate issued by DFO. PP was advised to submit an undertaking to DFO that he would make contribution towards Saranda Action Plan as decided by DFO and get a letter from DFO giving Do's and Don'ts to be followed by PP.

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 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.

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

12. Purandihi Stone Mines of M/s. Jay Durga Stone Works. at Village Purandihi, Tehsil – Markacho, Dist – Koderma Jharkhand (Area 0.211 Ha).

This is a Stone Mining Project for having an area of 0.211 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. 14.02.2001 for a period of 10 years. Application for renewal was filed on 14.02.2011. The committee noted that the size of the mine, production rate and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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/VEMP 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 details of mine capacity as provided in Mining Plan are

I. Proved Reserve	:	98,325 t (39,330 cu.m)
II. Probable Reserve	:	49,163 t (19,665 cu.m)
III. Possible Reserve	:	49,163 t (19,665 cu.m)
IV. Total Reserve	:	1,96,651 t (78,660 cu.m)

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	4,750 t (1,900 cu.m)
2 nd Year	:	4,750 t (1,900 cu.m)
3 rd Year	:	5,700 t (2,280 cu.m)
4 th Year	:	7,125 t (2,850 cu.m)
5 th Year	:	21,250 t (8,500 cu.m)

The PP has submitted 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 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 be made as per relevant provision / criteria for an area more than 5 Ha. PP has submitted the same on 28.10.2013. PP has also submitted the Mine Plan to Department of Mines, Government of Jharkhand for approval.

In addition 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.
7. PP has to ask his RQP to get himself registered with Department of Mines , Government of Jharkhand

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

13. Purandihi Stone Mines of Shri Umakant Rana at Village Purandihi, Tehsil – Markacho, Dist – Koderma Jharkhand (Area 0.348 Ha).

This is a Stone Mining Project for having an area of 0.348 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. 06.03.2003 for a period of 10 years. Application for renewal was filed before expiry of lease. The committee noted that the size of the mine, production rate and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Proved Reserve	:	1,25,293 t (50,117 cu.m)
Probable Reserve	:	83,530 t (33,412 cu.m)

Possible Reserve	:	83,530 t (33,412 cu.m)
Total Reserve	:	2,92,353 t (1,16,941 cu.m)

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	3,560 t (1,424 cu.m)
2 nd Year	:	4,275 t (1,710 cu.m)
3 rd Year	:	5,700 t (2,280 cu.m)
4 th Year	:	12,470 t (4,988 cu.m)
5 th Year	:	33,738 t (13,495 cu.m)

The PP has submitted 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 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 be made as per relevant provision / criteria for an area more than 5 Ha. PP has submitted the same on 28.10.2013. PP has also submitted the Mine Plan to Department of Mines, Government of Jharkhand for approval.

In addition PP was asked to submit following additional information.

- Compliance Report on conditions stipulated by DMO at the time of granting of lease.
- Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
- Details of CSR activities and Plantation carried out alongwith Photographs.
- Requirement of water and its source
- Distance from nearest Forest
- Undertaking from the Board / Management that there will not be any violation in future.
- PP has to ask his RQP to get himself registered with Department of Mines , Government of Jharkhand

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

14. 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. 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. The committee noted that the size of the mine, production rate

and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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 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.

In addition 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.

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. 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. The committee noted that the size of the mine, production rate and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Proved Reserve	:	182000 t
Inferred Reserve	:	273000 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure 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 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 be made as per relevant provision / criteria for an area more than 5 Ha. PP has submitted the same on 28.10.2013.

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

In addition 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.

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

16. 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 in Village Dumerbera and 0.91 Ha 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. The committee noted that the size of the mine, production rate and the mineral mined are such that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Proved Reserve	:	66800 t (Village Dumerbera) 91000 t (Village Poradih)
Inferred Reserve	:	65800 t (Village Dumerbera) 77500 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..

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 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 be made as per relevant provision / criteria for an area more than 5 Ha. PP has submitted the same on 28.10.2013.

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.

In addition 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.

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

17. Chhapparwar – 1 Mine (Stone Quarry) of M/s Anand Kumar Singh, Village Chhapparwar, P.O- Chhapparwar, P.S- Hariharganj, District - Palamau, Jharkhand (1.2707 Ha) .

This is a Stone Mining Project for having an area of 1.2707 Ha. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 2862000 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	100000 t
2 nd Year	:	100000 t
3 rd Year	:	100000 t
4 th Year	:	100000 t



5th Year : 100000 t

The PP has submitted certificates from Circle Officer, DFO and DMO. From the certificate submitted by DMO it was mentioned that application made by PP was for Stone Quarry. During presentation made by RQP it was observed that the material was Granite and Gneiss. PP has to get the matter clarified from DMO and submit the same for review by Committee.

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

18. Chhapparwar – 2 Mine (Stone Quarry) of M/s Anand Kumar Singh, Village Chhapparwar, P.O- Chhapparwar, P.S- Hariharganj, District - Palamau, Jharkhand (2.238 Ha) .

This is a Stone Mining Project for having an area of 2.238 Ha. The committee noted that as per Form I it is a proposal for new Project for which PP is seeking EC. In view of the size of the mine, production rate and the mineral mined the committee felt that the operation of the mine will have negligible impact on the surroundings.

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 details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 2862000 t

Year-wise Production as proposed under Mining Plan and Progressive Mine Closure Plan Report for five years is as follows

1 st Year	:	150000 t
2 nd Year	:	150000 t
3 rd Year	:	150000 t
4 th Year	:	150000 t
5 th Year	:	150000 t

The PP has submitted certificates from Circle Officer, DFO and DMO. From the certificate submitted by DMO it was mentioned that application made by PP was for Stone Quarry. During presentation made by RQP it was observed that the material was Granite and Gneiss. PP has to get the matter clarified from DMO and submit the same for review by Committee.

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

19. 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.

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 will be undertaken by a team consisting of Prof (Dr) Shatrunjay Singh and Shri S K Singh Members, SEAC and Shri A K Saxena, Chairman SEAC along with the next meeting of SEAC in November. 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.

Once the site visit is completed & Report received and PP revises his documents SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action. It was also decided to request SEIAA to obtain clarification

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regarding category of project that whether it is Category A or Category B from MOEF. This will help avoid complications at a later stage.

20. 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.

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

21. Low Ash Hard Coke cum Coal washery unit of M/s Ma Chhinmastika Sponge Iron Ltd at Village Harway, P O Karma, District Ramgarh, Jharkhand

The project proponent proposes to set-up a low ash hard coke (10,000 MTPA) plant & coal washery (12000 MTPA) plant. EIA Notification September, 2006 lists coke oven plant at Sl. No. 4 (b) & coal washery at 2 (a). As per notification, both units are category "B2" project that require environmental clearance from State Level Impact Assessment Authority (SEIAA) . Since SEIAA for Jharkhand State was not constituted at that time PP had to apply for Environmental Clearance to MOEF, Govt. of India. Accordingly, project proponent submitted prescribed From I & Pre-Feasibility project report to MOEF for determination of Terms of Reference for environmental studies for the project.

The MOEF after presentation of From I in the 11th Expert Appraisal Committee-1 (Industry) Meeting held on 24th June, 2010, determined Terms of Reference (TOR) for environmental studies for the project. This EIA/EMP Report has been prepared in compliance to Terms of Reference. A copy of TOR has been enclosed as Annexure - I As directed the structure of EMP is in line with Appendix III of EIA Notification 2006. This EIA / EMP was submitted to SEIAA, Jharkhand for grant of environmental clearance for the proposed project. Being a category B2 Project, it does not require Public Hearing. This EIA / EMP includes a report on description of environment in study area through generation of baseline environment data for one season. This Report includes an assessment of impact on environmental attributes in study area due to project activities. The Report also contains appropriate pollution mitigation measures to be taken to minimize the pollution & confine their level below the level prescribed by regulatory authorities.

After presentation the Committee desired the following clarifications which after review will have to be incorporated in the EIA / EMP Report

1. The proposed technology has to be modified and replaced with latest technology.
2. Scheme for Rain Water Harvesting has to be included.
3. Requirement of water for the plant seemed to be high. This has to rechecked and justification given.




4. Water required for Quenching has to be rechecked. Scheme for treatment of Effluent from Quenching tower and its subsequent discharge is to be included in EIA / EMP Report.

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

D. Projects for which PP has requested SEAC for resubmission of Mine Plans due to problem related to RQP's

1. Stone Quarry of Shri Rameshwar Singh at Kharkhar, P.O. Nawalsahi, Thana Markachho, Dist Koderma, Jharkhand (Area 0.44 Ha).

The Committee had noted that the figures of mineable reserves and production mentioned in Mine Plan of Shri Rameshwar Singh were identical to those of case of M/s B.S.C. & C Construction Limited, J. V. . This point was informed to PP and Consultant during the meeting. The Consultant admitted his mistake and PP informed that he will get the Mine Plan revised through another RQP and submit the revised Mine Plan for consideration. Copies of undertakings given by Dr M K Chakraborty, Consultant and PP Shri Rameshwar Singh are attached. PP has submitted all information as was desired by the Committee. Once the revised Mine Plan is submitted SEAC will examine the same and forward its opinion to SEIAA for its consideration.

2. 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).

The Committee had noted that the figures of mineable reserves and production mentioned in Mine Plan of M/s B.S.C. & C Construction Limited, J. V were identical to those of Mine Plan of Shri Rameshwar Singh. This point was informed to PP during the meeting. The Consultant / RQP did not come and RQP has subsequently submitted a letter that the Mine Plans prepared by him need not be considered by SEAC. PP informed that he will get the Mine Plan revised through another RQP and submit the revised Mine Plan for consideration. Copies of letter given by Shri M K Mukhopadhyay, and the undertaking given by PP M/s B.S.C. & C Construction Limited, J. V are attached. PP has yet to submit Annexure 1 and Annexure 2 of SEIAA guidelines along with certificates from DFO , Circle Officer and DMO. Once the details are submitted alongwith revised Mine Plan SEAC will examine the same and forward its opinion to SEIAA for its consideration.

The Committee noted that as per IBM's letter no KOL/SB(E)/Ky/MP-472 dated 30.07.2013 addressed to GM, JSMDC 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 cases 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. The following PP's were advised to take necessary action :

- (i) Stone Quarry at Fakiradih of M/s Shankar Mahato, Vill-Fakiradih, Thana-Baliapur, Dist.-Dhanbad, Jharkhand.(0.8 Ha)
- (ii) Stone Quarry at Saharpura of M/s Balendra Kumar Singh Stone Mine, Vill-Saharpura, P.O - Sarkardeeh, P.S- Govindpur, Dist.-Dhanbad, Jharkhand.(1.16 Ha)
- (iii) Hulsam Stone Mine of M/s Om Prakash Jaiswal, Vill-Hulsam, P.S-Chhatarpur ,Dist.-Palamu, Jharkhand.(0.45 Ha).
- (iv) NawadihPanari Stone Quarry of M/s Arun Kumar Singh, Vill- NawadihPanari, Tehsil-Hunterganj,Dist.- Chatra, Jharkhand. (0.67 Ha.).
- (v) Pali Stone Quarry of M/s Arun Kumar Singh ,Vill- Pali, Tehsil- Hunterganj,Dist.- Chatra, Jharkhand.(1.66 Ha).
- (vi) Dalkoma Stone Quarry of M/s Ashutosh Stone Works,Vill- Dalkoma, Tehsil-Hunterganj,Dist.-Chatra, Jharkhand.(4.05 Ha.).
- (vii) Nawadih Panari Stone Quarry of M/s Ramiya Construction,Vill- NawadihPanari, Tehsil-Hunterganj,Dist.-Chatra, Jharkhand.(0.70 Ha).
- (viii) Sadhwadih Stone Mine of M/s Sri SitaramTiwary, Vill- Sadhwadih, Block-Manika, Dist. Latehar, Jharkhand. (0.4 Ha) .
- (ix) Stone Quarry at Tham.of M/s Rastria Stone Chips, Vill- Tham, P.O- DhabTham, Thana – Chandwara,Dist.-Koderma, Jharkhand.(1.34 Ha).

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

1. Ektarva&Parodih Stone Quarry of M/s Maa Tara Stone Works, Village - Ektarva & Parodih, Tehsil- Dhanwar,Dist.-Giridih, Jharkhand.(0.36 Ha
2. Baijudih Stone Mine of M/s Baijudih Stone Works, Vill-Baijudih, Tehsil-Dhanwar ,Dist.-Giridih,Jharkhand.(2.50 Acre/ 1.012 ha.)
3. Stone Quarry at Tham of M/s Dhan Laxmi Stone Works, Vill- Tham, Tehsil- Chandwara, Dist.- Koderma, Jharkhand.(Area 0.40 Hac)
4. Stone Quarry at Tham of M/s Dhan Laxmi Stone Works,Vill- Tham, Tehsil- Chandwara, Dist.- Koderma, Jharkhand.(Area 2.81 Hac)
5. Stone Quarry of M /s Bandana Stone Works Mouza Lohanda, Anchal Borio, District Shahibgunj, Jharkhand (Area 3.496 Ha)
6. Integrated Municipal Solid Waste Management Project of Jamshedpur Notified Area Committee at Mouja Khairbani, Jamshedpur District East Singhbhum, Jharkhand

7. Proposed Residential cum Commercial Complex" The Green Meadows" of M / s Maharaja Agrasen Jee Apno Ghar Pvt Ltd at Village Gosaidih, Tehsil Gobindpur, District Dhanbad, Jharkhand.



(S.K. Sinha)
Secretary



(A K Saxena)
Chairman