

MINUTES OF THE 7th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD ON 16th, 17TH and 18TH JULY 2013

The 7th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held on 16th, 17th & 18th July 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.) S.K. Singh | - Member |
| 6. | Sh. S.K. Sinha | - Secretary |

At the outset the members of the committee went through the Minutes of 6th Meeting held on 17th & 18th June 2013 and confirmed the same.

Various projects which were forwarded by SEIAA to SEAC after the previous SEAC meeting for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's 2nd Meeting held on 16th & 17th May 2013 and 6th Meeting held on 17th & 18th June 2013 and were also considered for examination / scrutiny where the Project proponents had complied with 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 for which SEIAA may consider grant of EC.

- 1. M/s. Radha Krishna Jaiswal, Vill - Leungdih, Dist - Sarikela-Kharsawan, Jharkhand (Area 23.5 acres i.e. 9.5 Ha).**

This is a Stone Mining Project having their lease sanctioned on 25.09.2010 to be operative from 25.02.2011 for a period of 10 years over an area of 23.5 acre (9.5 ha). The Committee noted that this project falls under 'B1' Category. During the Meeting held on 17th & 18th June 2013 the PP was asked to comply with the following:

- i) Submit within 15 days a certificate from concerned DMO that there was no mining activity till date in the mine.
- ii) Submit mine closure plan alongwith Safety measures
- iii) Undertaking regarding implementation of CSR activities

The PP has submitted the above information vide their letter no Nil dated 26.06.2013 along with DMO Saraikela-Kharsawan's L.No 1030 of 22.06.2013. As per the Mining Plan the Proved Reserve are 68960t (1724000 cu.m) and the average year-wise Production as proposed under Mining Plan for three years is 3398 th /year (84950 cu.m. /year).

The various conditions for grant of EC were forwarded to SEIAA vide SEAC's Minutes of Meeting of the 6th Meeting held on 17th & 18th June 2013. Committee recommends that SEIAA may now consider grant of EC.

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2. Stone Mining Project of M/s Nitesh Sarda Stone Crusher and Mines at Village Giyarappa, Tehsil Khunti, Dist – Khunti, Jharkhand (Area 2.02 Ha).

This is a Stone Mining Project having proposed renewal of earlier mining lease area of 2.02 Ha over plot No. 272(p). The Committee noted that this project falls under 'B2' Category. In the meeting held on 17th & 18th June 2013 PP the proponent was asked to submit certain information which PP has submitted vide his letter 17th July 2013. PP has also submitted letter No 407 dated 16th July 2013 from concerned DMO that there are no contiguous mining patches other than a plot of area 0.607 Ha (1.5 acres) on same plot No. 272(P) for which the PP i.e **M/s Nitesh Sarda** has applied for grant of fresh mining lease and separate application for EC. Thus the total area of the mining patch works out to 2.627 Ha and is less than 5 Ha on plot No. 272(p).

The PP was granted lease on 21st December 2002 for a period of 10 years over plot No. 272 (p) (Area 2.02 ha) and the Proposal is for renewal of lease. PP informed that the current production rate was 28th / day and after renewal it would go up to 140 t / day. The details of mine capacity as provided in Mining Plan are

I.	Proved Reserve	:	883980t
II.	Blocked Proved Reserve	:	489908t
III.	Mineable Proved Reserve	:	394072t
IV.	Mineable Probable Reserve	:	16500 t
V.	Total Mineable Reserve	:	410572t

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

1 st Year	:	38375t
2 nd Year	:	41475t
3 rd Year	:	40095t
4 th Year	:	40795t
5 th Year	:	42593t

Based on the information provided the Committee recommends that the proposal of M/s Nitesh Sarda Stone Crusher and Mines at Village Giyarappa, Tehsil Khunti, Dist – Khunti, Jharkhand (Area 2.02 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 without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.




3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
4. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project.
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 shall be obtained.
6. 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.
7. A final mine closure Plan along with corpus fund shall be submitted to concerned authority / MOEF well in advance of closure of Mine.
8. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
9. 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.
10. 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.
11. 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.
12. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
13. 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.
14. Greenbelt shall be developed all along the mine lease area and haul roads. Fast growing and local species will be planted. Work has to be taken up before this year monsoon.
15. 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.
16. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand.
17. 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.



18. Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand.
19. 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.
20. 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.
21. Drills shall either be operated with the dust extractors or equipped with water injection system.
22. Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
23. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
24. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
25. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
26. Provision shall be made for the housing of 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.
27. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
28. A Final Mine Closure Plan 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.
29. The road leading to quarry should be properly maintained with regular watering to arrest fugitive emission.
30. 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.
31. 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 .
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 do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space.
6. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
7. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained. The Project proponent shall install fixed type water sprinklers to cover all dusty places in the premises to impart water spraying intermittently and during loading, unloading of raw materials/products and wastes.
8. 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.
9. 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.
10. 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.
11. Dispensary facilities for First Aid shall be provided at site.
12. 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.
13. 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 .
14. The Regional Office of Jharkhand State Pollution Control Board, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
15. 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 Regional. 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.

16. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
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 a period of 5 years for the proposed project.
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.

3. Stone Mining Project of M/s Nitesh Sarada Stone Crusher and Mines at Village Giyarappa, Tehsil Khunti, Dist – Khunti, Jharkhand (Area 0.607 Ha).

This is a new Stone Mining Project having lease area of 0.607 Ha. The Committee noted that this project falls under 'B2' Category. In the meeting held on 17th & 18th June 2013 PP was asked to submit certain information which PP has submitted vide his letter 17th July 2013. PP has also submitted letter No 407 dated 16th July 2013 from concerned DMO that there are no contiguous mining patches other than a plot of 2.02 Ha (5.0 acres) for which the PP i.e **M/s Nitesh Sarada** has applied for grant of renewal of mining lease and separate application for Environment Clearance Thus the total area of the mining patch works out to 2.627 Ha and is less than 5 Ha.

The PP has applied for lease and the same has been acknowledged by concerned DMO on 24.05.2012 vide his letter nos 298. PP informed that the proposed production capacity is 22nd / day. The details of mine capacity as provided in Mining Plan are

I.	Proved Reserve	:	152913t
II.	Blocked Proved Reserve	:	95960t
III.	Mineable Proved Reserve	:	56953t

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

1 st Year	:	6675t
2 nd Year	:	6045t
3 rd Year	:	5263t
4 th Year	:	4725t
5 th Year	:	5193t

Based on the information provided the Committee recommends that the proposal of M/s Nitesh Sarda Stone Crusher and Mines at Village Giyarappa, Tehsil Khunti, Dist – Khunti, Jharkhand (Area 0.607 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 without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
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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 shall be obtained.
6. 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.
7. A final mine closure Plan along with corpus fund shall be submitted to concerned authority / MOEF well in advance of closure of Mine.
8. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
9. 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.
10. 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.
11. 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.
12. 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

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

13. 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.
14. Greenbelt shall be developed all along the mine lease area and haul roads. Fast growing and local species will be planted. Work has to be taken up before this year monsoon.
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24. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
25. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
26. Provision shall be made for the housing of 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.



27. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
28. A Final Mine Closure Plan 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.
29. The road leading to quarry should be properly maintained with regular watering to arrest fugitive emission.
30. 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.
31. 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.
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 do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space.
6. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
7. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained. The Project proponent shall install fixed type water sprinklers to cover all dusty places in the premises to impart water spraying intermittently and during loading, unloading of raw materials/products and wastes.
8. 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.
9. 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.
10. 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

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periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

11. Dispensary facilities for First Aid shall be provided at site.
12. 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.
13. 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 .
14. The Regional Office of Jharkhand State Pollution Control Board, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
15. 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 Regional. 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.
16. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

- I. 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.
- II. The Environmental Clearance accorded shall be valid for a period of 5 years for the proposed project.
- III. 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.
- IV. 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.




4. **Borrow pits of M/s Madhucon Projects Limited which are located on both sides of Road alignment spread over Dist – Ranchi and East Singhbhum, Jharkhand (Total area 177.37 Ha for mining of 5.00 Million cu.m.of clay and soil).**

This proposal is for grant of EC for 253 Borrow pits of M/s Madhucon Projects Limited which are located on both sides of Road alignment spread over Dist – Ranchi and East Singhbhum, Jharkhand (Total area 177.34 Ha for mining of 5.00 Million cu.m.of clay and soil). During the Meeting held on 17th & 18th June 2013 the PP was asked to comply with the following:

- a) The PP were directed to provide co-ordinates of the Borrow Pits from which material is to be extracted along with other details like Borrow Pit area, mineable reserves, NOC from concerned Gram Panchayat / local body, etc as per following format so that recommendation can be made to SEIAA.

Sl. No	Location of Borrow Pit	Area of Borrow Pit in Ha	Co-ordinate of Borrow Pit	Reserve in Borrow Pit	Recommendation of Gram Panchayat / Local Body	Remarks
1.						
.....						
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- b) PP has to give an undertaking that he will follow the EC condition [Point vi of General Conditions of EC granted to NHAI for widening and improvement of existing 2 lane to 4/6 laning of Ranchi – Rargaon Section of NH 33 vide MOEF's letter dated 14th November 2012 (F. No. 10 -58 / 2009 – IA.III of IA – III Division) and M/s Madhucon have been appointed by NHAI to execute the Project.] which says that Borrow Pits and other scars created during Road Construction shall be properly leveled and treated.
- c) PP was asked to confirm the number of Borrow Pits.

M/s Madhucon Projects Limited have vide their letter no MPL/RNC/NH-33/2013/158 dated 15.07. 2013 have submitted clarifications against point a). Regarding point b) and point c) they have given an undertaking vide note no MPL/RNC/NH-33/2013/159 dated 15.07. 2013.

Based on the information provided and undertaking given by M/s Madhucon Projects Limited the Committee recommends that the proposal of 253 Borrow pits of M/s Madhucon Projects Limited which are located on both sides of Road alignment spread over Dist – Ranchi and East Singhbhum, Jharkhand (Total area 177.34 Ha for mining of 5.00 Million cu.m.of clay and soil) 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.

17. Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand.
18. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The soil / clay transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of soil / clay outside the mine lease area shall be carried out after the sunset.
19. Soil / clay handling area shall be provided with adequate dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
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. Conditions suggested by MOEF in its letter dated 14th November 2012 (F. No. 10 -58 / 2009 – IA.III of IA – III Division shall be adhered to.
25. A Final Mine Closure Plan duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
26. The road leading to Soil / clay quarry should be properly maintained with regular watering to arrest fugitive emission.
27. The proponent shall not carry out any mining activity in any borrow pit which is located in any eco-sensitive zone notified under E.P. Act 1986, without the approval of the competent authority.
28. 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.
29. 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 .




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 do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space.
6. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
7. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained. The Project proponent shall install fixed type water sprinklers to cover all dusty places in the premises to impart water spraying intermittently and during loading, unloading of raw materials/products and wastes.
8. 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.
9. Industrial waste water (workshop and waste water from the Soil / clay deposits) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
10. 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.
11. Dispensary facilities for First Aid shall be provided at site.
12. A separate environmental 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.
13. The funds earmarked for environmental protection measures and CSR activities 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 .
14. The Regional Office of Jharkhand State Pollution Control Board, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
15. 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 Regional. 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.
16. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the

And

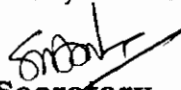
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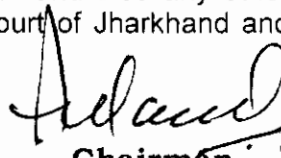
proposal. The clearance letter shall also be put on the website of the Company by the project proponent.

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

C. Other points

- I. 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.
- II. The Environmental Clearance accorded shall be valid for a period of 5 years for the proposed project.
- III. 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.
- IV. 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.


Secretary
SEAC


Chairman
SEAC