

**PART- A MINUTES OF THE 28<sup>th</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 27<sup>th</sup> to 30<sup>th</sup> APRIL, 2015**

The 28<sup>th</sup> meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 27<sup>th</sup> to 30<sup>th</sup> April, 2015 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

- |                                     |             |                        |
|-------------------------------------|-------------|------------------------|
| 1. Sh. A.K. Saxena                  | - Chairman  |                        |
| 2. Sh. S.B.S Chauhan                | - Member    |                        |
| 3. Er. S.K. Singh                   | - Member    |                        |
| 4. Dr. R.P. Singh Sangu             | - Member    |                        |
| 5. Prof. (Dr.) M.C. Mahata          | - Member    |                        |
| 6. Prof (Dr) Shatrunjay Kumar Singh | - Member    |                        |
| 7. Shri R.N. Kashyap                | - Secretary | <i>was not present</i> |

Various projects which were received by SEIAA after the previous SEAC meeting held from 24<sup>th</sup> to 27<sup>th</sup> March, 2015 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional informations / clarifications were also considered for examination / scrutiny where the Project proponents had submitted replies. Accordingly, the Project proponents were asked to make technical presentation for the appraisal of their project before the committee.

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

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

**1. Proposals related to Stone Mine (New Project)**

**I. Chacharya Stone and Morrum Deposit of M/S Maa Mundershawari Enterprises at Village- Chacharya, P.S- Ketar, Dist.- Garhwa, Jharkhand. (0.91 Ha)**

**Consultant- M/S Enviro Consultant, RQP- Shri Ajay Shankar**

This is a Stone Mining Project for having an area of 0.91 Ha [Plot No- 217] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt. due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt. due consideration of occupational health of persons engaged in mining. The committee felt that

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the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 12.00 Lakhs and a provision of Rs 0.80 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 89,087 t

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

	Stone	Morrum
1 <sup>st</sup> Year	: 8,937 t	3,150 t
2 <sup>nd</sup> Year	: 9,801 t	3,225 t
3 <sup>rd</sup> Year	: 10,551 t	2,700 t
4 <sup>th</sup> Year	: 11,343 t	2,983 t
5 <sup>th</sup> Year	: 9,957 t	Nil

The daily production as per Form 1 is 35 tonnes stone & 10 tonnes morrum.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for Chacharya Stone and Morrum Deposit of M/S Maa Mundershwari Enterprises at Village- Chacharya, P.S- Ketar, Dist.- Garhwa, Jharkhand. (0.91 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.**

**A. Specific Conditions**

1. That the proponent shall obtain approval of mining plan within 3 months from the approved persons / authority by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / National Green Tribunal / MOEF Guidelines applicable to Minor Minerals.
5. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.

 20/12/2015





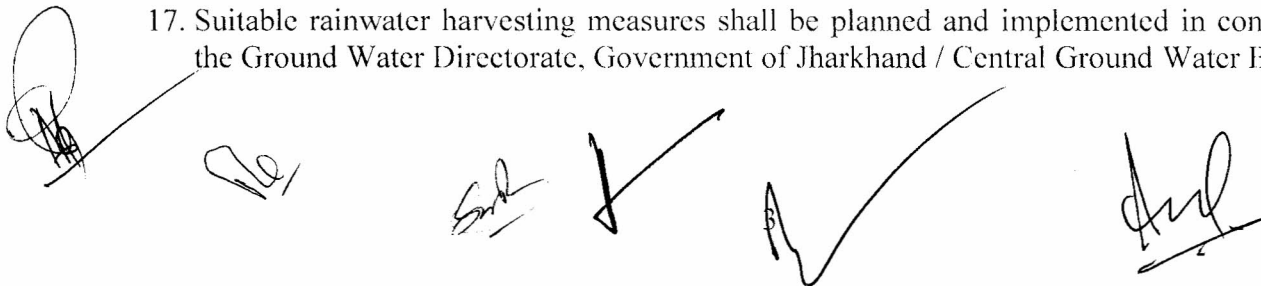
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6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central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

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

#### **B. General conditions**

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



7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO<sub>2</sub> ,NO<sub>x</sub> (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 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

**C. Other points**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.



3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### **Proposals related to Stone Mine (Renewal Project)**

## **II. M/s Singh Stone Works of Sri Tapan Kumar Singh at Village- Bundamako, Tehsil- Pathna, District – Sahibganj Jharkhand. (1.991 Ha)**

### **Consultant- M/S Crystal Consultants, Ranchi, RQP- Shri J.P. Bhattacharya**

This is a Stone Mining Project for having an area of 1.991 Ha [Plot No- 14, 15(P) & 16 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 06.01.2010 for a period of 05 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted. proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 19.00 Lakhs and a provision of Rs 5.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 10,75,410 t

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

1 <sup>st</sup> Year	:	89,910 t
2 <sup>nd</sup> Year	:	90,090 t
3 <sup>rd</sup> Year	:	90,000 t
4 <sup>th</sup> Year	:	90,090 t

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5<sup>th</sup> Year : 90,060 t

The daily production as per Form 1 is 300 tonnes.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for M/s Singh Stone Works of Sri Tapan Kumar Singh at Village- Bundamako, Tehsil- Pathna, District – Sahibganj Jharkhand. (1.991 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I**

**III. Roro Stone Mine of M/S Swastik Mineral Agency at Village- Roro, P.O. & Tehsil- Taljhari, Sahibganj, Jharkhand (4.86 Ha).**

**Consultant- M/S Crystal Consultants, Ranchi, RQP- Shri J.P. Bhattacharya**

This is a Stone Mining Project for having an area of 4.86 Ha [Plot No- 10, 11(P) & 18 (P)] . The committee noted that as per Form I it is a proposal for renewal of existing mining lease for which PP is seeking EC. The lease was valid w.e.f. 04.01.2012 for a period of 07 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 75.50 Lakhs and a provision of Rs 5.50 Lakhs will be kept for Environment management.

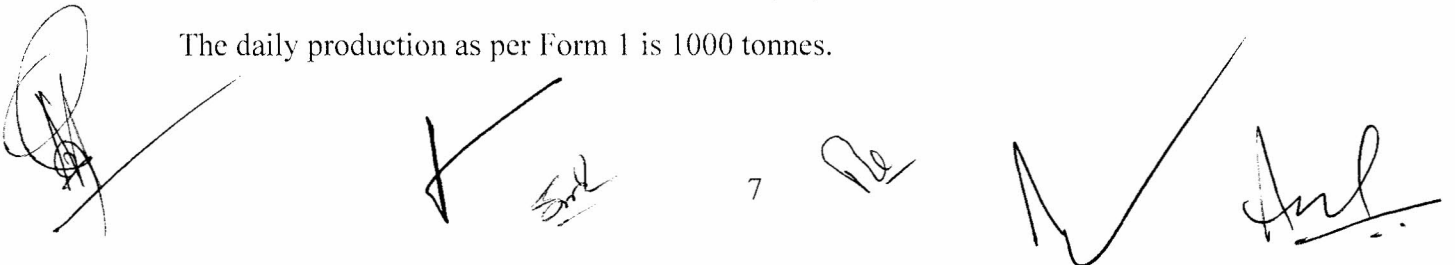
The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 31.35.621 t

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

1 <sup>st</sup> Year	:	3,00,141 t
2 <sup>nd</sup> Year	:	3,02,769 t
3 <sup>rd</sup> Year	:	3,00,270 t
4 <sup>th</sup> Year	:	3,01,641 t
5 <sup>th</sup> Year	:	3,01,164 t

The daily production as per Form 1 is 1000 tonnes.

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Based on the presentation made and information provided, the Committee recommends that the proposal for Stone Mine of M/S Jindal Stone Works at Village- Lohandabedo, Tehsil – Borio, District -Sahebganj, Jharkhand. (2.023 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I

**V. M/S Bhagwan Stone works of Shri Jagannath Bhagat at Village- Borna, P.O.- Bishanpur, Tehsil – Pathna, District – Sahebganj, Jharkhand. (2.42 Ha)**

**Consultant- M/S Crystal Consultants, Ranchi, RQP- Shri J.P. Bhattacharya**

This is a Stone Mining Project for having an area of 2.42 Ha [Plot No- 91, 107 to 109 & 112 to 117] . The committee noted that as per Form I it is a proposal for renewal of existing mining lease and enhanced production for which PP is seeking EC. The lease was valid w.e.f. 08.10.2007 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 19.00 Lakhs and a provision of Rs 3.50 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 5,36,475 t

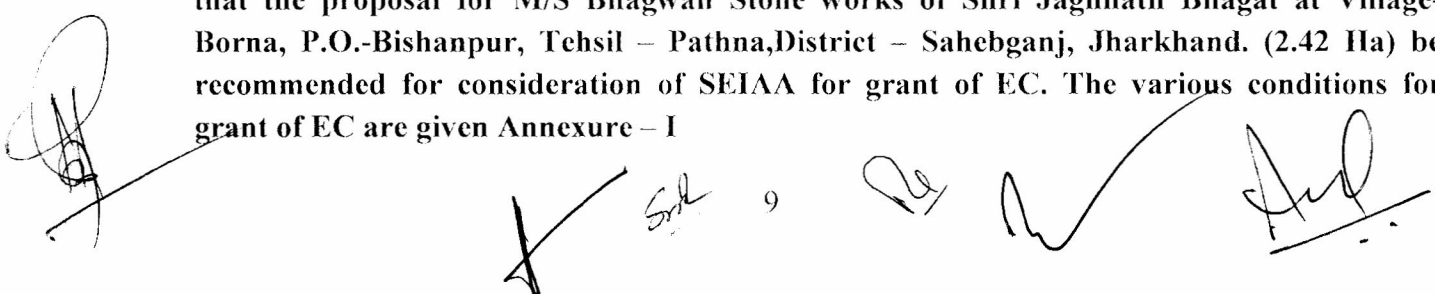
Year-wise Production as proposed under Mining Plan Report for three years is as follows

1 <sup>st</sup> Year	:	2,13,153 t
2 <sup>nd</sup> Year	:	2,12,811 t
3 <sup>rd</sup> Year	:	2,14,809 t

The daily production as per Form 1 is 700 tonnes.

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

Based on the presentation made and information provided, the Committee recommends that the proposal for M/S Bhagwan Stone works of Shri Jagannath Bhagat at Village- Borna, P.O.-Bishanpur, Tehsil – Pathna, District – Sahebganj, Jharkhand. (2.42 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – I

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**VI. Dumraon Stone Mine of Smt. Gita Mehta at Village- Dumraon, Tehsil- Ichak, Thana No.-9, District - Hazaribagh, Jharkhand (0.65 Ha)**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP, RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 0.65 Ha [Plot No- 8068 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease and enhanced production for which PP is seeking EC. The lease was valid w.e.f. 27.07.2002<sup>for a period of 10 years</sup>. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 65.00 Lakhs and a provision of Rs 1.15 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 32,079 t

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

1 <sup>st</sup> Year	:	4015 t
2 <sup>nd</sup> Year	:	4061 t
3 <sup>rd</sup> Year	:	4061 t
4 <sup>th</sup> Year	:	4050 t
5 <sup>th</sup> Year	:	4158 t

The daily production as per Form I is 14 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. DFO letter no.- 1593, dated- 25.11.2014 states that lease area comes under Hazaribagh Eco Sensitive Zone. PP during the presentation stated that the lease area does not fall within the Hazaribagh Wild Life Sanctuary. PP was asked to get confirmation regarding same from DFO. DFO certified through letter no.- 132, dated 18.04.2015 that applied area is out of forest land of Wild Life Sanctuary and distance of forest land of south direction of dumraon forest is 452 m. The informations were examined and found to be satisfactory.

**Based on the presentation made and information provided, the Committee recommends that the proposal for Dumraon Stone Mine of Smt. Gita Mehta at Village- Dumraon, Tehsil- Ichak, Thana No.-9, District - Hazaribagh, Jharkhand (0.65 Ha) be recommended**



for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – I

### **Annexure – I**

#### **A. Specific Conditions**

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



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

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

25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

**B. General conditions**

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

copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.

14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO<sub>2</sub> ,NO<sub>x</sub> (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 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

**C. Other points**

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of renewal of lease. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Proposals related to Stone Mine (Renewal Project & Approved Mine Plan)**

**VII. Maghgaon Gamharia Stone Mine of Shri Ajit Pradhan at Village- Maghgaon, Gamharia, P.S- Kharsawan, Dist.- Saraikela-Kharsawan, Jharkhand. (1.425 Ha)**

**Consultant- M/S Enviro Consultants, Ranchi, RQP- Shri Ajay Shankar**

This is a Stone Mining Project for having an area of 1.425 Ha [Plot No- 140 (P) & 438 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 15.04.2003 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 10.00 Lakhs and a provision of Rs 0.80 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 2,04,131 t

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

1 <sup>st</sup> Year	:	20,995 t
2 <sup>nd</sup> Year	:	20,990 t
3 <sup>rd</sup> Year	:	20,999 t
4 <sup>th</sup> Year	:	20,995 t
5 <sup>th</sup> Year	:	20,993 t

The daily production as per Form I is 70 tonnes.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for Maghgaon Gamharia Stone Mine of Shri Ajit Pradhan at Village- Maghgaon, Gamharia, P.S- Kharsawan, Dist.- Saraikela-Kharsawan, Jharkhand. (1.425 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

**VIII. Khesmi Alias Purnanagar Stone Mine of M/S Ram Prasad Saw at Village- Khesmi Alias Purnanagar, Tehsil-Markacho, Dist-Koderma Jharkhand (2.19 Ha)**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP,  
RQP- Shri J.P. Bhattacharya**

This is a Stone Mining Project for having an area of 2.19 Ha [Plot No- 2797 (P) & 2910 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 06.08.2002 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 35.00 Lakhs and a provision of Rs 2.00 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 12,32,280 t

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

1 <sup>st</sup> Year	:	80,000 t
2 <sup>nd</sup> Year	:	85,000 t
3 <sup>rd</sup> Year	:	90,000 t
4 <sup>th</sup> Year	:	90,000 t
5 <sup>th</sup> Year	:	90,000 t

The daily production as per Form I is 300 tonnes.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for Khesmi Alias Purnanagar Stone Mine of M/S Ram Prasad Saw at Village- Khesmi Alias Purnanagar, Tehsil-Markacho, Dist-Koderma Jharkhand (2.19 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

**IX. Khesmi Alias Purnanagar Stone Mine of M/S Ram Prasad Saw at Village- Khesmi Alias Purnanagar, Tehsil-Markacho, Dist-Koderma Jharkhand (0.81 Ha)**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP,  
RQP- Shri J.P. Bhattacharya**

This is a Stone Mining Project for having an area of 0.81 Ha [Plot No- 2797 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 17.08.2001 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 15.00 Lakhs and a provision of Rs 0.75 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 4,05,367 t

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

1 <sup>st</sup> Year	:	15,000 t
2 <sup>nd</sup> Year	:	15,000 t
3 <sup>rd</sup> Year	:	15,000 t
4 <sup>th</sup> Year	:	15,000 t
5 <sup>th</sup> Year	:	15,000 t

The daily production as per Form I is 50 tonnes.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for Khesmi Alias Purnanagar Stone Mine of M/S Ram Prasad Saw at Village- Khesmi Alias Purnanagar, Tehsil-Markacho, Dist-Koderma Jharkhand (0.81 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

**X. Balsiring Stone Mine of Shri Lekhraj Prajapati at Village- Balsiring, Thana – Dhurwa, District -Ranchi, Jharkhand. (0.70 Ha).**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP,  
RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 0.70 Ha [Plot No- 857 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 21.05.2004 for a period of 10 years.. Considering the fact that it is B2



Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 8.00 Lakhs and a provision of Rs 0.90 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 97,254 t

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

1 <sup>st</sup> Year	:	10,004 t
2 <sup>nd</sup> Year	:	10,076 t
3 <sup>rd</sup> Year	:	10,004 t
4 <sup>th</sup> Year	:	10,017 t
5 <sup>th</sup> Year	:	10,022 t

The daily production as per Form I is 34 tonnes.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for Balsiring Stone Mine of Shri Lekhraj Prajapati at Village- Balsiring, Thana – Dhurwa, District -Ranchi, Jharkhand. (0.70 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

**XI. Stone Mine of M/S G.S. Duggal & Brothers at Village-Kusmatand, District-Dhanbad, Jharkhand. (2.792 Ha)**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP,  
RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 2.792 Ha [Plot No- 556 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 02.12.2004 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed

exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 9.20 Lakhs and a provision of Rs 2.84 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 4,54,275 t

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

1 <sup>st</sup> Year	:	63,042 t
2 <sup>nd</sup> Year	:	63,010 t
3 <sup>rd</sup> Year	:	63,042 t
4 <sup>th</sup> Year	:	62,945 t
5 <sup>th</sup> Year	:	63,064 t

The daily production as per Mine Plan is 210 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory. *DFO in his certificate has indicated distance of plot from forest on 2000. The mining plan has been prepared considering distance on 2000.* Based on the presentation made and information provided, the Committee recommends that the proposal for Stone Mine of M/S G.S. Duggal & Brothers at Village-Kusmatand, District-Dhanbad, Jharkhand. (2.792 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II

## **XII. Stone Mine of Mr Anand Kumar Jain at Mouza- Kelahi, District – Jamtara, Jharkhand (0.485 Ha)**

**Consultant- M/S Green CIndia Consulting Pvt Ltd, NCR, Ghaziabad, UP,  
RQP- Shri P.K. Sen**

This is a Stone Mining Project for having an area of 0.485 Ha [Plot No- 5288 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 05.02.2004 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 9.04 Lakhs and a provision of Rs 2.50 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 69,147 t

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

1 <sup>st</sup> Year	:	7385 t
2 <sup>nd</sup> Year	:	7160 t
3 <sup>rd</sup> Year	:	7047 t
4 <sup>th</sup> Year	:	7074 t
5 <sup>th</sup> Year	:	7039 t

The daily production as per Form I is 24 tonnes.

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

**Based on the presentation made and information provided, the Committee recommends that the proposal for Stone Mine of Mr Anand Kumar Jain at Mouza- Kelahi, District – Jamtara, Jharkhand (0.485 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given at Annexure – II**

## **Annexure- II**

### **A. Specific Conditions**

1. The environmental clearance is subject to renewal of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / National Green Tribunal / MOEF Guidelines applicable to Minor Minerals.
4. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive

with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.

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

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

#### **B. General conditions**

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.



6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO<sub>2</sub> ,NO<sub>x</sub> (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 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

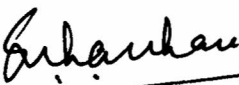
**C. Other points**

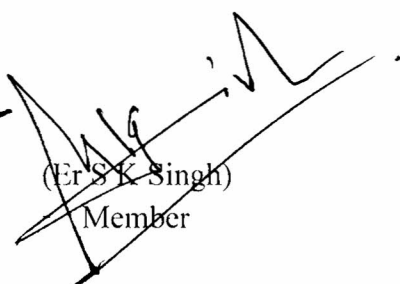
1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.





2. The Environmental Clearance accorded shall be valid for the period of renewal of lease. 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.

**The meeting concluded with thanks to all present.**

  
(S.B.S Chauhan)  
Member


  
(Er S K Singh)  
Member

  
(Dr. R.P. Singh Sangu)  
Member

  
38/04/2015  
(Prof. (Dr.) M.C. Mahata)  
Member

  
( Prof (Dr) Shatrunjay Kumar Singh)  
Member

X  
(R.N. Kashyap)  
Secretary

  
(A K Saxena)  
Chairman