

MINUTES OF THE 24th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 15th to 18th DECEMBER 2014

The 24th meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 15th to 18th December 2014 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

1. Sh. 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. Sh. R.N. Kashyap - Secretary

Various projects which were received by SEIAA after the previous SEAC meeting held from 17th to 20th November 2014 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional 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. Matters related to SEIAA

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

Matter was discussed in 12th meeting of SEAC held on 26th to 29th December 2013 and the project was recommended to SEIAA for their consideration for grant of EC. SEIAA wanted to get certain clarification / amendments and have referred the file to SEAC. The amendment to EIA Report has been forwarded by SEIAA vide letter no. 506, dated 26.09.2014.

Presentation was made by the Consultant and PP. Based on information provided and presentation made the Committee recommends that the proposal be considered by SEIAA for grant of EC. The various conditions for grant of EC are given **Annexure I**.

2. OSD Coke Private LTD.(Unit 1), Village Amjhore, P.O. Baliapur, District Dhanbad, Jharkhand.

Matter was discussed in 12th meeting of SEAC held on 26th to 29th December 2013 and the project was recommended to SEIAA for their consideration for grant of EC. SEIAA wanted to get certain clarification / amendments and have referred the file to SEAC. The amendment to EIA Report has been forwarded by SEIAA vide letter no. 506, dated 26.09.2014.

Presentation was made by the Consultant and PP. Based on information provided and presentation made the Committee recommends that the proposal be considered by SEIAA for grant of EC. The various conditions for grant of EC are given **Annexure II**.

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

Matter was discussed in 11th meeting of SEAC held on 20th to 23rd November 2013. SEAC has already forwarded its views to SEIAA for its consideration. SEIAA has taken a decision that Proponents are required to resubmit the EIA / EMP Reports.

and 

PP has not submitted the Amendment to EIA as such the matter cannot be reviewed. The case will be reviewed once the Amendment is received.

SEIAA may like to take a view on the Proposal.

4. Stone Quarry of M/s Bandana Stone Works, Vill- Lohando Mako, Tehsil – Lohando Mako, Dist.-Sahibganj, Jharkhand (3.496 Ha).

The mine is 140 m from Notified Forest Area. As per SEIAA guideline it has been stipulated that distance of mine should be 250 m from Protected / Reserved Forest boundary. During the 24th meeting of SEAC the consultant M/s Anacon Laboratories Pvt Ltd has informed that PP is getting the Mine Plans revised as per guidelines. The matter will be reviewed on receipt of revised Mine Plans.

5. Stone Boulder Mining of M/s Shaping Mines & Minerals Pvt. Ltd at Vill-Bhulkuli, P.O- Saraikela Kharsawan, Dist.-Saraikela, Jharkhand (1.68 Ha).

Regarding presence of water body within 500 m, the PP has submitted a revised certificate from Circle Officer vide letter no. 43 dated 26.02.2014. Considering the above the committee recommends the SEIAA considers grant of EC.

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

1. Anidih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Anidih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (22.55 Ha).

This is a Sand Mining Project for having an area of 22.55 Ha [Plot No-410/422 & 410]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 1,42,740 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

2. Gadadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Gadadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.78 Ha).

This is a Sand Mining Project for having an area of 14.78 Ha [Plot No-1376]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 87120 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held

during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

3. Erkia Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Erkia, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (19.12 Ha).

This is a Sand Mining Project for having an area of 19.12 Ha [Plot No-738, 738/754, 738/756, 738/757, 738/758, 738/759]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 99915 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

4. Salsud Balu Ghat on Radu River (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Salsud, Tehsil-Sonahatu, Dist.-Ranchi, Jharkhand (7.63 Ha).

This is a Sand Mining Project for having an area of 7.63 Ha [Plot No-1207,1344]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 62715 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

5. Gomyadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Gomyadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (9.06 Ha).

This is a Sand Mining Project for having an area of 9.06 Ha [Plot No-862 & 864]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 50910 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

6. Navadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Navadih, Tehsil-Khalari, Dist.- Ranchi, Jharkhand (5.47 Ha).

This is a Sand Mining Project for having an area of 5.47 Ha [Plot No-87]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 33660 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

7. Biradirih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Biradirih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (15.85 Ha).

This is a Sand Mining Project for having an area of 15.85 Ha [Plot No-109 & 697]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 75000 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

8. Dibadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Dibadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (14.03 Ha).

This is a Sand Mining Project for having an area of 14.03 Ha [Plot No-216 & 736]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 81315 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

9. Hethburadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Hethburadih, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (13.00 Ha).

This is a Sand Mining Project for having an area of 13.00 Ha [Plot No-531]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 1,21,695 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

10. Churgi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill-Churgi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (21.59 Ha).

This is a Sand Mining Project for having an area of 21.59 Ha [Plot No-1395,189]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 1,21,710 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

11. Somadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Somadih, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (17.26 Ha).

This is a Sand Mining Project for having an area of 17.26 Ha [Plot No-556]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 1,21,710 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

12. Edarmahatu Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Edarmahatu, Tehsil-Sonahatu, Dist.- Ranchi, Jharkhand (12.15 Ha).

This is a Sand Mining Project for having an area of 12.15 Ha [Plot No-452]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 68730 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

13. Kanchi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd, Vill- Kanchi, Tehsil-Bundu, Dist.- Ranchi, Jharkhand (24.53 Ha).

This is a Sand Mining Project for having an area of 24.53 Ha [Plot No-2177, 1589/2192, 1585, 1276/2199, 1276/2196]. The committee noted that as per Form I it is a proposal for new project.

The proposed annual production capacity as per Mine Plan has been indicated as 182490 cum per annum .

In the meeting held on 14th to 16th April 2014 SEAC had recommended issue of EC to SEIAA. In the view of NGT orders, the matter was referred back by SEIAA to SEAC. SEAC reviewed the project in light of MoEF's Notification dated 7th October 2014. [S.O. 2601 (E)]

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15 to 18 December 2014, the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study as per Annexure III.

7. In the 24th meeting of SEIAA held on 02/09/2014 mention has been made (part 7) that recommendation of SEAC do not seem to be consistent on the cases of similar nature.

SEAC wishes to state that it takes all points in to consideration and it is its endeavour to be consistent. Members of SEIAA may peruse the files of where all the issues involved have been taken care in respect of

- a. Kedro Quartzite Mine of M/s Bharat Mining Company.
- b. M/s Kandaber Fire Clay Mine of Sri Yogendra Prasad at Kandaber.
- c. Jyoti Pahari Open Cast Kynaite Project, M/s JSMDCLtd.

It may be seen that undertaking in respect of violation has been submitted by

- a. Kedro Quartzite Mine of M/s Bharat Mining Company.
- b. M/s Kandaber Fire Clay Mine of Sri Yogendra Prasad at Kandaber.

As such TOR's were recommended. However in case of M/s JSMDC they have not till date submitted an undertaking, as such TOR has not been recommended.

8. In the 24th meeting of SEIAA held on 02/09/2014, mention has been made (part 7) it has been stated that SEAC minutes are not signed by all the members. The statement is not correct. All the members invariably sign the minutes and copies of signed MOMs are available which can be perused. The matter has been clarified earlier also.

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

1. Proposals related to Stone Mine (New Project)

I. Damdami Stone Mine of M/s Maa Stone Works at Vill.- Damdami, P.S. & Block-Husainabad, Dist.- Palamu, Jharkhand (4.047 Ha)

This is a Stone Mining Project for having an area of 4.047 Ha [Plot No- 177 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 46.00 Lakhs and a provision of Rs 4.50 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 15,00,000 t

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

1 st Year	:	1,50,003 t
2 nd Year	:	1,50,013 t
3 rd Year	:	1,50,012 t
4 th Year	:	1,50,012 t
5 th Year	:	1,50,012 t

The daily production as per Form I is 500 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 Damdami Stone Mine of M/s Maa Stone Works at Vill.- Damdami, P.S. & Block- Husainabad, Dist.- Palamu, Jharkhand (4.047 Ha) be recommended for

consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - IV

II. Stone Mine of Mr. Arun Kumar Ladia at Village – Lakhanpur, Block- Bengabad, Dist.- Giridih, Jharkhand.(0.732 Ha)

This is a Stone Mining Project for having an area of 0.732 Ha [Plot No- 4 & 5 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 10.75 Lakhs and a provision of Rs 2.64 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 96,188 t

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

1 st Year	:	10,214 t
2 nd Year	:	10,263 t
3 rd Year	:	10,252 t
4 th Year	:	10,341 t
5 th Year	:	10,276 t

The daily production as per Form I is 35 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. Arun Kumar Ladia at Village – Lakhanpur, Block- Bengabad, Dist.- Giridih, Jharkhand.(0.732 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - IV

III. Stone Mine of Smt. Saroj Minj at Village- Karoundajor, Tehsil- Bharno, Dist.- Gumla , Jharkhand (3.64 Ha)

This is a Stone Mining Project for having an area of 3.64 Ha [Plot No- 1827 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case.

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

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 64.25 Lakhs and a provision of Rs 6.75 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 31,40,321 t

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

1 st Year	:	2,40,168 t
2 nd Year	:	2,40,052 t
3 rd Year	:	2,40,025 t
4 th Year	:	2,40,063 t
5 th Year	:	2,40,041 t

The daily production as per Form I is 800 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 Smt. Saroj Minj at Village- Karoundajor, Tehsil-Bharno, Dist.-Gumla , Jharkhand (3.64 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – IV

Proposals related to Stone Mine (Approved Mine Plan)

IV. Gadwa Stone Deposit of Shri Ram Niwas Yadav at Village- Gadwa, Thana- Taljhari, Dist.- Sahibganj Jharkhand (3.67 Ha).

This is a Stone Mining Project for having an area of 3.67 Ha [Plot No- 48, 50, 51, 52 & 54 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

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

same, carrying out CSR activities for socio-economic development, development of green belt – due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 15.00 Lakhs and a provision of Rs 1.20 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 20,11,400 t

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

1 st Year	:	2,02,716 t
2 nd Year	:	2,02,500 t
3 rd Year	:	2,02,559 t
4 th Year	:	2,02,608 t
5 th Year	:	2,02,754 t

The daily production as per Form I is 687 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 Gadwa Stone Deposit of Shri Ram Niwas Yadav at Village- Gadwa, Thana- Taljhari, Dist.-Sahibganj Jharkhand (3.67 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given V.

V. Saharpur Stone Deposit of Shri Kaushal Kishore Singh & Shri Harinandan Choudhary at Village- Dudhani, P.S. -Dumka, District- Dumka, Jharkhand (1.137 Ha)

This is a Stone Mining Project for having an area of 1.137 Ha [Plot No- 18, 19 & 20 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 15.00 Lakhs and a provision of Rs 1.50 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 2,84,866 t

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

1 st Year	:	29,670 t
2 nd Year	:	29,611 t

3 rd Year	:	29,689 t
4 th Year	:	29,676 t
5 th Year	:	29,657 t

The daily production as per Form I is 100 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 Saharpur Stone Deposit of Shri Kaushal Kishore Singh & Shri Harinandan Choudhary at Village- Dudhani, P.S. -Dumka, District- Dumka, Jharkhand (1.137 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – V

2. Proposals related to Stone Mine (Renewal Projects)

VI. Stone Mine of M/s Janta Stone Works at Vill- Ledatand, P.S.- Topchachi, District Dhanbad, Jharkhand. (0.708 Ha)

This is a Stone Mining Project for having an area of 0.708 Ha [Plot No- 1709 to 1713] . 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. 04.06.2002 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 8.00 Lakhs and a provision of Rs 2.56 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	67,098 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	8022 t
2 nd Year	:	8027 t
3 rd Year	:	8084 t
4 th Year	:	8043 t
5 th Year	:	8051 t

The daily production as per Form I is 27 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 M/s Janta Stone Works at Vill- Ledatand, P.S.- Topchachi, District Dhanbad, Jharkhand. (0.708 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - VI

VII. Stone Mine of Mr. Santosh Kumar Munshi at Vill.- Gendanawadih, P.S.- Topchanchi, District- Dhanbad ,Jharkhand.(1.214 Ha)

This is a Stone Mining Project for having an area of 1.214 Ha [Plot No- 3110, 3097 (P) & 2849 (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. 28.09.2002 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 14.00 Lakhs and a provision of Rs 2.81 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 1,73,451 t

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

1 st Year	:	17,620 t
2 nd Year	:	17,890 t
3 rd Year	:	17,690 t
4 th Year	:	17,526 t
5 th Year	:	17,979 t

The daily production as per Form I is 60 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. Santosh Kumar Munshi at Vill.- Gendanawadih, P.S.- Topchanchi, District- Dhanbad, Jharkhand.(1.214 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - VI

VIII. M/s Okhargara Stone Mines of Mr. Sunil Kumar Sharma at Vill.- Okhargara, Tehsil-Meral, Dist.- Garhwa, Jharkhand (0.50 Ha)

This is a Stone Mining Project for having an area of 0.50 Ha [Plot No- 3618 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 21.11.2004 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 15.25 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 : 20,404 t

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

1 st Year	:	6010 t
2 nd Year	:	5986 t
3 rd Year	:	6080 t
4 th Year	:	6021 t
5 th Year	:	5932 t

The daily production as per Form I is 20.23 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 Okhargara Stone Mines of Mr. Sunil Kumar Sharma at Vill.- Okhargara, Tehsil- Meral, Dist.- Garhwa, Jharkhand (0.50 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – VI

IX. M/s New India Industries (Stone Mine) at Village – Dumariatand, Tehsil- Suriya, Dist.- Giridih Jharkhand (1.79 Ha).

This is a Stone Mining Project for having an area of 1.79 Ha [Plot No- 1198 (P) to 1200 (P)]. The committee noted that as per Form I it is a proposal for renewal of existing lease for which PP is seeking EC. The lease was valid w.e.f. 05.10.2011 to 04.10.2021 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee

felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 18.80 Lakhs and a provision of Rs 3.75 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 6,28,328 t

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

1 st Year	:	60,091 t
2 nd Year	:	60,086 t
3 rd Year	:	60,151 t
4 th Year	:	60,062 t
5 th Year	:	60,013 t

The daily production as per Form I is 200 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 New India Industries (Stone Mine) at Village – Dumariatand, Tehsil- Suriya, Dist.- Giridih Jharkhand (1.79 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – VI

X. Chorganwa Stone Mines of Shri Teklal Saw at Village- Chorganwa, P.S. -Mahuatand, District- Bokaro, Jharkhand (0.486 Ha.)

This is a Stone Mining Project for having an area of 0.46 Ha [Plot No- 511]. The committee noted that as per Form I it is a proposal for renewal of lease for which PP is seeking EC. The lease was valid w.e.f. 03.09.2004 to 02.09.2014 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

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

same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 8.50 Lakhs and a provision of Rs 0.85 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 43,762 t

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

1 st Year	:	4730 t
2 nd Year	:	4730 t
3 rd Year	:	4795 t
4 th Year	:	4757 t
5 th Year	:	4766 t

The daily production as per Form I is 16 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 Chorganwa Stone Mines of Shri Teklal Saw at Village- Chorganwa, P.S. -Mahuatand, District- Bokaro, Jharkhand (0.486 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – VI

3. Proposals related to Brick Earth

I. Brick Clay Mining of M/s SPM Bricks at Village Rakua, P.O-Sutri, P.S- Gola, Dist.- Ramgarh, Jharkhand(1.00 Ha).

This is a Brick Clay Mining Project for having an area of 1.00 Ha [Plot No- 1893, 1894, 1917, 1920 & 1921]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 42.00 Lakhs and a provision of Rs 1.59 Lakhs will be kept for Environment management.



PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s SPM Bricks at Village Rakua, P.O-Sutri, P.S- Gola, Dist.-Ramgarh, Jharkhand(1.00 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

II. Brick Clay Mining of M/s Janta Bricks Manufacturers at Village – Bauakala P.O - Bansuria, Dist.-Dhanbad, Jharkhand (0.509 Ha).

This is a Brick Clay Mining Project for having an area of 0.509 Ha [Plot No- 1845]. The committee noted that as per Form I it is a proposal for renewal of existing lease 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 36.50 Lakhs and a provision of Rs 0.93 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 2640 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Janta Bricks Manufacturers at Village – Bauakala P.O -Bansuria, Dist.-Dhanbad, Jharkhand (0.509 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

III. Brick Clay Mining of M/s JBC Bricks at Village- Hesagarha, P.O -Hesagarha, Dist.-Ramgarh, Jharkhand (0.73 Ha)

This is a Brick Clay Mining Project for having an area of 0.73 Ha [Plot No-276 to 278]. The committee noted that as per Form I it is a proposal for renewal of lease 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 44.00 Lakhs and a provision of Rs 1.06 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

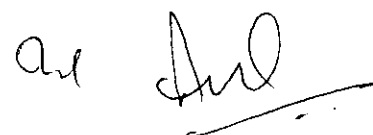
The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s JBC Bricks at Village- Hesagarha, P.O - Hesagarha, Dist.-Ramgarh, Jharkhand (0.73 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

IV. Brick Clay Mining of M/s Dinesh Kumar Bricks at Village Kaditola, P.O-Suganu, Dist.-Ranchi, Jharkhand (0.857 Ha)

This is a Brick Clay Mining Project for having an area of 0.857 Ha [Plot No- 2050 & 2053]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 43.70 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management.



PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 2632 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Dinesh Kumar Bricks at Village Kaditola, P.O-Suganu, Dist.-Ranchi, Jharkhand (0.857 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

V. Brick Clay Mining of M/s General Bricks Company at Village-Bolaitand, P.O & P.S- Rajganj, Dist.-Dhanbad, Jharkhand (0.496 Ha)

This is a Brick Clay Mining Project for having an area of 0.496 Ha [Plot No- 06] 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 38.00 Lakhs and a provision of Rs 1.04 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s General Bricks Company at Village-Bolaitand, P.O & P.S- Rajganj, Dist.-Dhanbad, Jharkhand (0.496 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

VI. Brick Clay Mining of M/s S.C.M Bricks at Village-Masmohna, P.O-Barkakana, Dist.- Ramgarh, Jharkhand (0.80 Ha)

This is a Brick Clay Mining Project for having an area of 0.80 Ha [Plot No-175]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 0.40 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s S.C.M Bricks at Village-Masmohna, P.O-Barkakana, Dist.-Ramgarh, Jharkhand (0.80 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

VII. Brick Clay Mining of M/s Shree Maa Rankini Bricks at Village – Chandrarekha, P.O-Mahulia, Dist.-East Singhbhum Jharkhand (1.71 Ha).

This is a Brick Clay Mining Project for having an area of 1.71 Ha [Plot No- 631 to 633]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 89.80 Lakhs and a provision of Rs 9.79 Lakhs will be kept for Environment management.



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

The proposed annual excavation capacity as per Form I has been indicated as 6840 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Shree Maa Rankini Bricks at Village – Chandrarekha, P.O-Mahulia, Dist.- East Singhbhum Jharkhand (1.71 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

VIII. Brick Clay Mining of M/s S.K.F Bricks at Village-Masmohna, P.O-Barkakana, Dist.- Ramgarh, Jharkhand (0.81 Ha.)

This is a Brick Clay Mining Project for having an area of 0.81 Ha [Plot No- 168]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 57.00 Lakhs and a provision of Rs 4.30 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s S.K.F Bricks at Village-Masmohna, P.O-Barkakana, Dist.-Ramgarh, Jharkhand (0.81 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

IX. Brick Clay Mining for M/s S.C.M Bricks at Village – Kashitand, P.O. – Kalyanpur, P.S.- Barwa adda, Dist.- Dhanbad, Jharkhand (1.01 Ha.)

This is a Brick Clay Mining Project for having an area of 1.01 Ha [Plot No-247, 249 to 251, 254, 256, 262 & 269]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 42.00 Lakhs and a provision of Rs 1.70 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s S.C.M Bricks at Village – Kashitand, P.O. – Kalyanpur, P.S.- Barwa adda, Dist.- Dhanbad, Jharkhand (1.01 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

X. Brick Clay Mining for M/s P.K.S Bricks (Shri Prem Kumar Singh) at Village –Doba , P.O.- Kapali, P.S.- Chandil, Dist.- Saraikela-Kharsawan, Jharkhand(1.72 Ha).

This is a Brick Clay Mining Project for having an area of 1.72 Ha [Plot No-561 to 565 & 601]. The committee noted that as per Form I it is a proposal for renewal of lease 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 94.44 Lakhs and a provision of Rs 1.87 Lakhs will be kept for Environment management.



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

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s P.K.S Bricks (Shri Prem Kumar Singh) at Village –Doba , P.O.- Kapali, P.S.- Chandil, Dist.- Saraikela-Kharsawan, Jharkhand (1.72 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XI. Brick Clay Mining of M/s Shyamal Baran Mandal Bricks at Village – Putlupung, P.O- Chakri, P.S- Kowali, Dist.-East Singhbhum, Jharkhand (0.860 Ha).

This is a Brick Clay Mining Project for having an area of 0.860 Ha [Plot No- 974, 976, 977, 981 to 983, 987, 988 & 990]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 39.00 Lakhs and a provision of Rs 1.43 Lakhs will be kept for Environment management.

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

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Shyamal Baran Mandal Bricks at Village – Putlupung, P.O-Chakri, P.S- Kowali, Dist.-East Singhbhum, Jharkhand (0.860 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XII. Brick Clay Mining of M/s Shivcharan Industries at Village – Dumarkunda, P.O- Chirkunda, Dist.-Dhanbad, Jharkhand (1.00 Ha).

This is a Brick Clay Mining Project for having an area of 1.00 Ha [Plot No-3562, 3586 (P), 3587 (P), 3588 to 3590 & 3596]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 11.00 Lakhs and a provision of Rs 1.00 Lakhs will be kept for Environment management.

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

The proposed annual excavation capacity as per Form I has been indicated as 2112 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Shivcharan Industries at Village – Dumarkunda, P.O-Chirkunda, Dist.-Dhanbad, Jharkhand (1.00 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XIII. Brick Clay Mining of M/s NBM Bricks at Golmara, P.O-Muradih, P.S- Barwaadda, Dist.-Dhanbad, Jharkhand (0.598 Ha)

This is a Brick Clay Mining Project for having an area of 0.598 Ha [Plot No- 150 (P) & 151]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 39.00 Lakhs and a provision of Rs 1.03 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with

regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s NBM Bricks at Golmara, P.O-Muradih, P.S-Barwaadda, Dist.-Dhanbad, Jharkhand (0.598 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XIV. Brick Clay Mining for M/s Ashok Bricks (Shri Ashok Kumar) at Village – Damkada Barwa, P.O.- Kalyanpur, P.S.- Barwa adda, Dist.- Dhanbad, Jharkhand.(1.01 Ha)

This is a Brick Clay Mining Project for having an area of 1.01 Ha [Plot No- 2042, 2044, 2045, 2199, 2210 & 2211]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 42.00 Lakhs and a provision of Rs 1.70 Lakhs will be kept for Environment management.

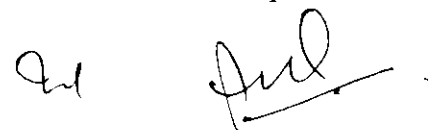
PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Ashok Bricks (Shri Ashok Kumar) at Village – Damkada Barwa, P.O.- Kalyanpur, P.S.- Barwa adda, Dist.- Dhanbad, Jharkhand.(1.01 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XV. Brick Clay Mining of M/s BBM Bricks at Village - Chota Pichhari, P.O-Kalyanpur, Dist.- Dhanbad, Jharkhand (0.481 Ha).

This is a Brick Clay Mining Project for having an area of 0.481 Ha [Plot No- 780]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 42.30 Lakhs and a provision of Rs 3.70 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1071 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s BBM Bricks at Village - Chota Pichhari, P.O-Kalyanpur, Dist.-Dhanbad, Jharkhand (0.481 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XVI. Brick Clay Mining for M/s Jain Clay Works at Village – Govindpur, P.O.- Bahragora, Dist.- East Singhbhum, Jharkhand (1.97 Ha)

This is a Brick Clay Mining Project for having an area of 1.97 Ha [Plot No- 331, 263, 328, 282, 329, 264, 325, 327, 226 & 223]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 45.00 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management.



PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Jain Clay Works at Village – Govindpur, P.O.- Bahragora, Dist.- East Singhbhum, Jharkhand (1.97 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XVII. Brick Clay Mining for M/s Hind Bricks (Shri Mohit Agrawal) at Sonagada, P.O.- Musabani, Dist.- East Singhbhum, Jharkhand.(0.30 Ha)

This is a Brick Clay Mining Project for having an area of 0.30 Ha [Plot No- 1415]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 2.00 Lakhs will be kept for Environment management.

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

The proposed annual excavation capacity as per Form I has been indicated as 1214 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Hind Bricks (Shri Mohit Agrawal) at Sonagada, P.O.- Musabani, Dist.- East Singhbhum, Jharkhand.(0.30 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XVIII. Brick Clay Mining for M/s Atikur Rahman at Village - Bhatiya Basti, Adityapur, Saraikela- Kharsawan Jharkhand (0.93 Ha).

This is a Brick Clay Mining Project for having an area of 0.93 Ha [Plot No- 979, 988, 992 (P) & 997 (P)]. The committee noted that as per Form I it is a proposal for renewal of lease 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 45.00 Lakhs and a provision of Rs 1.23 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 2640 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Atikur Rahman at Village - Bhatiya Basti, Adityapur, Saraikela- Kharsawan Jharkhand (0.93 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XIX. Brick Clay Mining for M/s Maa bricks at Village- Chaha, P.O.- Jamira, P.S.- Rajrappa, District-Ramgarh, Jharkhand (0.404 Ha)

This is a Brick Clay Mining Project for having an area of 0.404 Ha [Plot No- 84 & 87]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 1.35 Lakhs will be kept for Environment management.



PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Maa bricks at Village- Chaha, P.O.- Jamira, P.S.- Rajrappa, District-Ramgarh, Jharkhand (0.404 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XX. Brick Clay Mining of M/s SPM Bricks at Village- Jainagar, P.O Murradih, Dist.-Dhanbad, Jharkhand (0.59 Ha)

This is a Brick Clay Mining Project for having an area of 0.59 Ha [Plot No-2722 & 2727]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 42.60 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1071 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s SPM Bricks at Village- Jainagar, P.O Murradih, Dist.-Dhanbad, Jharkhand (0.59 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XXI. Brick Clay Mining of M/s ABM Bricks at Village- Budhawashayar, P.O- Murradih, Dist.-Dhanbad, Jharkhand (0.404 Ha).

This is a Brick Clay Mining Project for having an area of 0.404 Ha [Plot No-242 & 252]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 38.00 Lakhs and a provision of Rs 0.97 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s ABM Bricks at Village- Budhawashayar, P.O- Murradih, Dist.-Dhanbad, Jharkhand (0.404 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XXII. Brick Clay Mining of M/s MBM Bricks at Village- Village - Jitpur, P.O - Nagarkiyari, P.S- Barwa Adda, Dist.-Dhanbad, Jharkhand (0.404 Ha)

This is a Brick Clay Mining Project for having an area of 0.404 Ha [Plot No- 1080, 1085, 1086 & 1091]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 37.00 Lakhs and a provision of Rs 1.03 Lakhs will be kept for Environment management.

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PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s MBM Bricks at Village- Village - Jitpur, P.O-Nagarkiyari, P.S- Barwa Adda, Dist.-Dhanbad, Jharkhand (0.404 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XXIII. Brick Clay Mining of M/s Steel Bricks at Village- Saraiya, P.O- Kundrukalan, Dist.- Ramgarh, Jharkhand. (0.808 Ha)

This is a Brick Clay Mining Project for having an area of 0.808 Ha [Plot No-354 & 375]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 1.52 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Steel Bricks at Village- Saraiya, P.O- Kundrukalan, Dist.-Ramgarh, Jharkhand. (0.808 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

XXIV. Brick Clay Mining of M/s Jagdamba Bricks Manufacturers at Village-Udaypur, P.O- Kalyanpur, P.S-Barwaadda, Dist.-Dhanbad, Jharkhand (0.43 Ha).

This is a Brick Clay Mining Project for having an area of 0.43 Ha [Plot No-1160 to 1162 & 1205]. 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 in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 38.00 Lakhs and a provision of Rs 1.02 Lakhs will be kept for Environment management.

PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 vide item 32.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Jagdamba Bricks Manufacturers at Village-Udaypur, P.O-Kalyanpur, P.S-Barwaadda, Dist.-Dhanbad, Jharkhand (0.43 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure VII.

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

I. Chaptura on Bansloi River Balu Ghat of M/s Maredian Realtors Pvt. Ltd at Vill - Chaptura, Tehsil- Maheshpur, Dist.-Pakur, Jharkhand (1.28 Ha).

This is a Sand Mining Project for having an area of 1.28 Ha [Plot No-288]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order, 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the

surroundings. The indicated project cost is Rs 1.11 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

The proposed annual production capacity as per Form I has been indicated as 6600 cum per annum .

Based on the presentation made and information provided, the Committee recommends that the proposal for Chaptura on Bansloi River Balu Ghat of M/s Maredian Realtors Pvt. Ltd at Vill - Chaptura, Tehsil- Maheshpur, Dist.-Pakur, Jharkhand (1.28 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

II. Jagadispur on Bansloi River Balu Ghat of M/s Maredian Realtors Pvt Ltd at Vill- Jagadispur, Tehsil- Maheshpur, Dist.-Pakur, Jharkhand (3.04 Ha).

This is a Sand Mining Project for having an area of 3.04 Ha [Plot No-539]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order, 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 2.11 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

The proposed annual production capacity as per Form I has been indicated as 20,000 cum per annum .

Based on the presentation made and information provided, the Committee recommends that the proposal for Jagadispur on Bansloi River Balu Ghat of M/s Maredian Realtors Pvt Ltd at Vill- Jagadispur, Tehsil- Maheshpur, Dist.-Pakur, Jharkhand (3.04 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

III. Ghanshyampur on Bansloi River Balu Ghat of M/s Maredian Realtors Pvt Ltd at Vill-Ghanshyampur, Tehsil- Maheshpur, Dist.- Pakur, Jharkhand (4.02 Ha)

This is a Sand Mining Project for having an area of 4.02 Ha [Plot No-456]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 3.61 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

The proposed annual production capacity as per Form I has been indicated as ~~34,900 (t/ann)~~ per annum .

Based on the presentation made and information provided, the Committee recommends that the proposal for Ghanshyampur on Bansloi River Balu Ghat of M/s Maredian Realtors Pvt Ltd at Vill-Ghanshyampur, Tehsil- Maheshpur, Dist.- Pakur, Jharkhand (4.02 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

IV. Babudaha on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt Ltd at Vill- Babudaha, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (4.55 Ha).

This is a Sand Mining Project for having an area of 4.55 Ha [Plot No-446]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently

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notification office order, 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 2.11 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

The proposed annual production capacity as per Form I has been indicated as 23,827 (twp) per annum .

Based on the presentation made and information provided, the Committee recommends that the proposal for Babudaha on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt Ltd at Vill- Babudaha, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (4.55 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

V. Dubrajpur on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt Ltd, Vill-Dubrajpur, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (1.27 Ha).

This is a Sand Mining Project for having an area of 1.27 Ha [Plot No-80]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order, 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development

of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 1.91 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

The proposed annual production capacity as per Form I has been indicated as 10,440 Cum per annum .

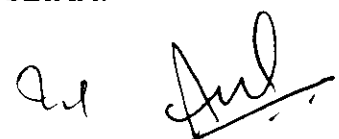
Based on the presentation made and information provided, the Committee recommends that the proposal for Dubrajpur on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt Ltd, Vill-Dubrajpur, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (1.27 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

VI. Patharchali on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt. Ltd at Vill-Patharchali, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (1.08 Ha).

This is a Sand Mining Project for having an area of 1.08 Ha [Plot No-1]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 2.34 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.



The proposed annual production capacity as per Form I has been indicated as 5120 tpa per annum .

Based on the presentation made and information provided, the Committee recommends that the proposal for Patharchali on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt. Ltd at Vill-Patharchali, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (1.08 Ha). be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

VII. Harishpur on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt Ltd at Vill-Harishpur, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (2.70 Ha).

This is a Sand Mining Project for having an area of 2.70 Ha [Plot No-407/831]. 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 Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order 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 are recommended by the Committee in the instant case.

The project was reviewed in light of S.O 2601 (E) dated 07th October, 2014 by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, 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 pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 3.51 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

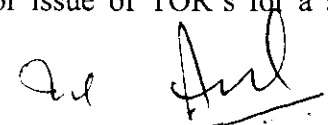
PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

The proposed annual production capacity as per Form I has been indicated as 26,000 tpa per annum .

Based on the presentation made and information provided, the Committee recommends that the proposal for Harishpur on Bansloi River Balu Ghat of M/s The Mills Store Company (Bombay) Pvt. Ltd at Vill-Harishpur, Tehsil-Maheshpur, Dist.-Pakur, Jharkhand (2.70 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given in Annexure VIII.

4. Screening & Scoping of Sponge Iron of M/s Narsimha Iron & Steel Pvt. Ltd., Village-Marhand, Tehsil-Hazaribagh, Dist.-Hazaribagh, Jharkhand.

This is a Sponge Iron Project. The Project Proponent informed that they have taken over the management from earlier owners who had approached MoEF for issue of TOR's for a steel



plant. The TOR's were issued by MoEF. Based on the TOR's, monitoring was carried out at site. PP due to various problems has decided to curtail the project investment and at present wishes to install only 2X90 tpd kilns for production of sponge iron. Accordingly PP is seeking fresh TOR's from SEAC/SEIAA, Jharkhand. PP requested the committee to permit him use earlier generated data. The committee had asked PP to submit, details of requirement of water, power and status of industries around the project site and information about when monitoring was carried out. PP has submitted the desired information.

During the presentation PP informed that he had obtained permission for drawl of ground water (880 m³/day) from CGWB. However for the revised configuration the water requirement has been projected as 165 m³ / day. Similarly the Power requirement has come down from 11 MW to 1.5 MW. Regarding status of industries it was observed that a number of industries have been closed over the past year. The committee also noted that PP has signed a MOM with Inland Power Limited (IPL) whereby IPL will buy entire quantity of char generated at PP's works. The committee went through the documents and the request made by PP. The committee agreed to permit use of earlier generated data, however the PP has to get additional monitoring done for one month (except rainy season). Based on the above TOR's were issued to PP.

PP made presentation against various points mentioned in TOR and Public Hearing. The committee was satisfied with the answer. The committee desired certain additional information which PP has submitted and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Screening & Scoping of Sponge Iron of M/s Narsimha Iron & Steel Pvt. Ltd., Village- Marhand, Tehsil- Hazaribagh, Dist.-Hazaribagh, Jharkhand be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IX.

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

1. Cluster Mines Patnibona Stone Mine along with Crusher (6.086 Ha), Patnibona Stone Mine (0.56 Ha) & Godai Tungi Stone Mine (2.218 Ha)

I. Patnibona Stone Mine along with Crusher of Shri Narsingh Lagdhir at Village – Patnibona, Thana- Taljhari, Dist.-Sahebganj, Jharkhand (6.086 Ha.)

This is a Stone Mining Project for having an area of 6.086 Ha [Plot No- 26 (P)] . The committee noted that as per Form I it is a proposal for renewal of existing lease.

II. Patni bona Stone Mine of M/s Harilal Ajoy & Comp. at Vill.- Patnibona, Thana- Taljhari, District- Sahebganj Jharkhand (0.567 Ha)

This is a Stone Mining Project for having an area of 0.567 Ha [Plot No- 20 & 21] . The committee noted that as per Form I it is a proposal for renewal of existing lease.

III. Godai Tungi Stone Mine of M/s Harilal Ajoy & Comp at Vill.- Godai Tungi, Thana- Taljhari, District- Sahebganj, Jharkhand.(2.218 Ha)

This is a Stone Mining Project for having an area of 2.218 Ha [Plot No- 89 to 92] . The committee noted that as per Form I it is a proposal for renewal of existing lease.

Salient Features of the cluster are as follows.

	Patnibona Stone Mine along with Crusher	Patni bona Stone Mine	Godai Tungi Stone Mine	Total
Area	6.086 Ha	0.567 Ha	2.218 Ha	8.871 Ha
Project Cost	50.00 Lakhs	25.00 Lakhs	55.00 Lakhs	1.30 Crores
Env. Budget	-	2.00 Lakhs	2.75 Lakhs	4.75 Lakhs
annual production	1,89,989 t	10,859 t	80,541 t	2,81,389 t

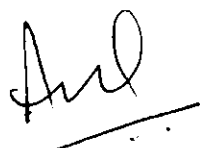
The total Area to the cluster is 6.086 Ha + 0.567 Ha + 2.218 Ha = 8.871 Ha

The project authorities along with their consultant M/s Grass Roots Research & Creation India (P) Ltd, Noida gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Terms of Reference for preparation of EIA / EMP report.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 17 to 20 November 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

The TORs prescribed for undertaking detailed EIA study are as follows:

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
8. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.

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9. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated.
10. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted.
11. Details of the land for OB dump outside the mine lease such as extent of land area, distance from mine lease, its land use, R&R issues, if any should be given.
12. High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area (core and buffer zone) should be furnished.
13. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any in the project area, or otherwise, based on land use classification (revenue record) as also in terms of the definition of forest as pronounced in the judgment of the Hon'ble Supreme Court of India in the matter of T.N. Godavarman Vs. Union of India. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
14. Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
15. Implementation of status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
16. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigative measures required should be worked out with cost implications and submitted.
17. The vegetation in the RF / PF area with necessary details should be given.
18. A study shall be got done to ascertain the impact of the mining project on wildlife of the area including on the elephant population and details furnished.
19. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the State Wildlife Department/Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished. In case, there is no such Eco-sensitive area within 10 km, the boundary of the nearest Eco-sensitive area with its distance shall be marked in a drawing and included in EIA / EMP Report.
20. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on primary field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for Implementing the same should be made as part of the project cost.
21. Impact, if any, of change of land use should be given.
22. R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the Jharkhand State and National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections, need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes



prepared accordingly integrating the sectoral programme of line departments of the State Government.

23. Collection of one season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected baseline AAQ data should form part of EIA and EMP report. The mineralogical composition of RSPM/SPM particularly for free silica should be given. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10 particularly for free silica should be given.
24. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
25. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
26. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
27. Details of water conservation measures proposed to be adopted in the project should be given.
28. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
30. Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.
31. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand.
32. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and below ground level. A schematic diagram may also be provided for the same.
33. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out). PP / it's Consultant has indicated that they will carryout backfilling with flyash. Documents substantiating use of flyash for backfilling alongwith environmental impacts if any are to be discussed in detail in the Report.
34. The reclamation plan, mine closure plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
35. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased



load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered.

36. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
37. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report.
38. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
39. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre placement medical examination and periodical medical examination schedules should be incorporated in the EMP.
40. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
41. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
42. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
43. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
44. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
45. Public hearing.

The following general points should be noted:

- a. Properly indexed, page numbered.
- b. Period/date of data collection should be clearly indicated. (non-monsoon)
- c. Authenticated English translation of all material in Regional languages should be provided.
- d. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- e. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
- f. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- g. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.11 (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- h. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports



prepared by them and data provided by other organization/Laboratories including their status of approvals etc.

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

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

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

The EIA report should also include

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

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

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report as per OM F No. J11013/41/2006-IA-II(I) part dated 22nd August 2014.

2. Fire Clay Mining Project of M/s Ved Prakash Verma, Vill-Chetar, P.O-Balumath, Dist.-Latehar, Jharkhand (47.20 Ha).

This is a Fire Clay Mine Project having a lease area of 47.20 Ha. The mining lease was exiting mine w.e.f 01.05.1990 for a period of 20 years. The lessee applied for renewal of lease on

07.12.2009 for a period of 20 years. PP had not obtained EC. PP has now applied for obtaining TOR's. As per Form I they have mentioned a proposed production figure of 30,990 tonnes of Fire Clay Mine per year. The expected life of mine has been indicated as 20 years. The mine lease area located at latitude 23° 49'29.9" to 23° 50'14.6" N and longitude 84° 54'11.6" to 84° 53'36.9" E.

The indicated project cost is Rs 70 Lakhs and a provision of Rs 4.60 Lakhs will be kept for Environment management. This is a case of violation due to increase in production after 1994.

The project authorities along with their consultant M/s Ascenso Management and Consulting Services Pvt. Ltd, Noida, Uttar Pradesh gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken along with the draft Terms of Reference for preparation of EIA / EMP report.

The above desired information have been submitted by PP.

Based on the information contained in the documents submitted report of visit to site and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 15th to 18th December 2014, the Committee suggests the following TORs for consideration of SEIAA for undertaking detailed EIA / EMP study. Also SEIAA is requested to write to the State Government to take credible action under EP Act for the above violation.

The TORs prescribed for undertaking detailed EIA study are as follows:

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
8. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
9. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated.

10. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted.
11. Details of the land for OB dump outside the mine lease such as extent of land area, distance from mine lease, its land use, R&R issues, if any should be given.
12. High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area (core and buffer zone) should be furnished.
13. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any in the project area, or otherwise, based on land use classification (revenue record) as also in terms of the definition of forest as pronounced in the judgment of the Hon'ble Supreme Court of India in the matter of T.N. Godavarman Vs. Union of India. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
14. Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
15. Implementation of status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
16. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigative measures required should be worked out with cost implications and submitted.
17. The vegetation in the RF / PF area with necessary details should be given.
18. A study shall be got done to ascertain the impact of the mining project on wildlife of the area including on the elephant population and details furnished.
19. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the State Wildlife Department/Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished. In case, there is no such Eco-sensitive area within 10 km, the boundary of the nearest Eco-sensitive area with its distance shall be marked in a drawing and included in EIA / EMP Report.
20. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on primary field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for Implementing the same should be made as part of the project cost.
21. Impact, if any, of change of land use should be given.
22. R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the Jharkhand State and National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections, need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Government.

23. Collection of one season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected baseline AAQ data should form part of EIA and EMP report. The mineralogical composition of RSPM/SPM particularly for free silica should be given. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10 particularly for free silica should be given.
24. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
25. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
26. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
27. Details of water conservation measures proposed to be adopted in the project should be given.
28. Impact of the project on the water quality both surface and groundwater should be assessed and necessary safeguard measures, if any required should be provided.
29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed hydro geological study should be undertaken and report furnished. Necessary permission from Central Ground Water Board / Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
30. Details of any stream, seasonal or otherwise, passing through lease area and modification / diversion proposed, if any and the impact of the same on the hydrology should be brought out.
31. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand.
32. Information on site elevation, working depth, groundwater table etc. should be provided both in AMSL and below ground level. A schematic diagram may also be provided for the same.
33. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated. Details of backfilling proposed, if any, should also be given. It may be clearly indicated that out of the total waste generated during the mine life, how much quantity would be backfilled and how much quantity would be disposed off in the form of external dump (number of dumps, their height, terraces etc. to be brought out).
34. The reclamation plan, mine closure plan, post mine land use and progressive greenbelt development plan shall be prepared in tabular form (prescribed format) and submitted.
35. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered.
36. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.

37. Conceptual post mining land use and Reclamation and Rehabilitation of mined out area (with plans and with adequate number of sections) should be given in the EIA report. This should be submitted alongwith Mine Plans duly approved by IBM.
38. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
39. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre placement medical examination and periodical medical examination schedules should be incorporated in the EMP.
40. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
41. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
42. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
43. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
44. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
45. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
46. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
47. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
48. Public hearing.

The following general points should be noted:

- a. Properly indexed, page numbered.
- b. Period/date of data collection should be clearly indicated. (non-monsoon)
- c. Authenticated English translation of all material in Regional languages should be provided.
- d. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- e. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
- f. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- g. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.



- h. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc.

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

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

The EIA report should also include

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

The TORs prescribed shall be valid for a period of two years for submission of the EIA/EMP Report as per OM F No. J11013/41/2006-IA-II(I) part dated 22nd August 2014.

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

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

1. Stone Mine of Mr. Raj Kumar Pathak at Vill.- Mednisar, Tehsil- Mednisar, District- Giridih , Jharkhand (0.8741 Ha).



This is a Stone Mining Project for having an area of 0.8741 Ha [Plot No- 1356 (P)] . The committee noted that as per Form I it is a proposal for existing of mining lease for which PP is seeking EC. The lease was valid w.e.f. 28.06.2002 for a period of 10 years.. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 20.00 Lakhs and a provision of Rs 2.61 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 3,54,376 t

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

1 st Year	:	44,820 t
2 nd Year	:	46,369 t
3 rd Year	:	51,367 t
4 th Year	:	58,793 t
5 th Year	:	60,211 t

The daily production as per Mine Plan is 218 tonnes.

PP has submitted certificates from Circle Officer, DFO & DMO. It was observed that the points are not meeting the SEIAA guidelines e.g. the distance from Habitation being approx 149 meter.

PP was asked to clarify.

- 2. Stone Quarry at Dhab Salonia of Shri Parmeshwar Gope at Village- Dhab Salonia, P.O- Dhab, Thana- Chauparan, Dist.- Hazaribagh, Jharkhand (0.55 Ha)**
- 3. Stone Quarry at Churchu of Shri Dilip Prasad at Village- Churchu, P.O- Ichak, Thana- Sadar, Dist.- Hazaribagh, Jharkhand (0.412 Ha)**

While considering the above proposals at Sl. No. 2 and Sl. No. 3 for Environmental Clearance, the approved Mining Plan of the area were also examined by the committee. It was observed that there were certain discrepancies in the mining plan like location (latitude and longitude) of mine, rate of production and in terms of proved or mineable reserves. It was felt that EC can not be considered in the absence of reliable baseline data.

In this context, RCOM, IBM and Director (Mines), DGM, Jharkhand were also consulted, who also agreed for the faulty mining plan. In view of this, the proposals were rejected by SEAC. SEIAA may like to communicate to PP to get the mining plans revised and resubmit the proposals.

4. Ramkrishna Forgings ltd at Village – Bholadih, Tehsil- kolebira, Dist.- Saraikela Kharsawan, Jharkhand.

The PP could not clarify certain environmental issues related to the project. It was decided that a site visit will be necessary to prescribe site related specific condition in ToR. It is suggested that Shri R.N. Kashyap and Shri S.K Singh will visit the site.

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

1. Kolhaiya Stone Mine of Shri Arjunn Prasad Gupta & Shri Arun Kumar Singh at Mouza- Kolhaiya, Block– Hariharganj, Dist.- Palamu, Jharkhand. (0.607 Ha)
2. Vindhwasni Stone Mine of Shri Mukesh Kumar Singh at Vill- Basdiha, Block & Thana- Chhatarpur, Dist.-Palamu, Jharkhand (0.951 Ha).
3. Bardag Stone Mine of Shri Praveen Kumar Agarwal at Mouza- Bardag, Thana & Block– Hariharganj, Dist.- Palamu, Jharkhand. (4.89 Ha).
4. M/s Bhalki Quartzite Stone Mines of Mr. Varun Kumar at Vill.- Bhalki, Tehsil- Dalbhumgarh, Dist.- East Singhbhum, Jharkhand (0.186 Ha)
5. Adar Stone Quarry of M/s Basudeo Mahto at Vill.- Adar, Tehsil- Padma, District- Hazaribagh, Jharkhand. (0.81 Ha)
6. M/s Nityanand Yadav Stone Mine at Vill.- Salpatra, Block- Fatehpur, District – Jamtara, Jharkhand. (1.639 Ha)
7. Stone Mine of Mr. Bamapada Auddy at Vill.- Saldaha, Block- Baghmara, District- Dhanbad, Jharkhand (0.4047 Ha)
8. Kathwan Granite Mine of M/s Ramesh Kuamr at Vill.- Kathwan, Thana-Poraiya, Dist.- Godda, Jharkhand (2.85 Ha)
9. Magnetite Iron Ore Beneficiation Plant of M/s Radhika Enterprises at Mouza- Hiramili, P.O.-Chandil, Tehsil- Chandil, District- Sariaikela- Kharsawan, Jharkhand.

F. The following is the list of PP's when matter deferred to next meeting due to non-receipt of the copies of Form I, PFR & Mining Plan by the member of SEAC

1. Santushti – Residential Project of M/s Pranami Estates Pvt Ltd at Town-Ranchi, Tehsil- Ranchi Sahar, Dist.-Ranchi, Jharkhand (6,154 Sq.m).
2. “Infinity Sapphire Square” Mall of M/s Pranami Estates Pvt Ltd at Town-Ranchi, Tehsil- Ranchi Sahar, Dist.-Ranchi, Jharkhand (5487.57 Sq.m).
3. M/s Kharkhar Stone Mines at Vill.– Kharkhar, Tehsil- Domchanch, Dist-Koderma, Jharkhand (0.61 Acres)
4. Srirampur Stone Mine of M/s Otan Das & Co.. at Village – Srirampur, Thana -Pakur, Dist.-Pakur, Jharkhand (1.619 Ha).
5. Dhutua Stone Mine of Shri Sanjay Kumar at Village – Dhutua, Tehsil-Ramgarh, Dist.- Ramgarh, Jharkhand (1.01 Ha.)
6. Ghujadih Stone Deposit of M/s Suryashakti Mines & Metals Pvt. Ltd. at Village- Ghujadih, Thana- Pachamba, Dist.-Giridih, Jharkhand (1.21 Ha)
7. Taratanr Stone Mine of Sri Devendra Prasad Mehta at Village- Taratanr, Thana- Koderma, Dist-Koderma, Jharkhand (0.61 Ha.)
8. Jonkmari Stone Mine at Village- Jonkmari, Tehsil-Sahibganj, District- Sahibganj, Jharkhand (4.452 Ha.)
9. Khesmi Alias Purnanagar Stone Mine of Sri Ram Prasad Saw at Village- Khesmi Alias Purnanagar, Tehsil-Markacho, Dist-Koderma Jharkhand (2.19 Ha.)
10. Khesmi Alias Purnanagar Stone Mine of Sri Ram Prasad Saw at Vill.-Khesmi Alias Purnanagar, Tehsil-Markacho, Dist-Koderma, Jharkhand(0.80 Ha)
11. Kashinathpur Stone Mine of Sri Atanu Sinha at Village- Kashinathpur, Tehsil- Maheshpur, Dist-Pakur, Jharkhand (2.18 Ha.)



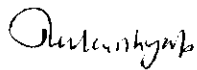
12. Pahardih Stone Mine of Sri Dilip Kumar Thakur at Village- Pahardih, Tehsil- Mohanpur, Dist-Deoghar, Jharkhand (2.02 Ha).
13. Stone Mine of M/s Jai Maa Tara Minerals at Village – Belatand, Tehsil- Dumri, Dist.- Giridih Jharkhand (2.02 Ha)

G. The following is the list of PP's who have requested for deferment of case in next meeting.

1. Stone Mine of Md. Moin Ansari at Village – Barwadih, Block- Topchanchi, Dist.- Dhanbad, Jharkhand (0.405 Ha).
2. Motijharna Stone Mine of M/s Mayur Machine Pvt. Ltd.at Village – Moti Jharna, P.S.- Taljhari, Dist.- Sahebganj, Jharkhand, Jharkhand(2.853 Ha)
3. M/s Hindustan Industries & Mining Corporation (Stone Mining) at Village – Patanibona, P.S.- Taljhari, Dist.- Sahibganj, Jharkhand(15.58 Ha)
4. Dumerbera / Poradih Stone Quarry & Crushing Project of M/s. East Coast Mining Pvt. Limited at Villages Dumerbera & Poradih, Block Potka, Dist – East Singhbhum, Jharkhand (Area 1.57 Ha).
5. Paharpur Stone Mine of Shri Pankaj Kumar at Village- Paharpur, Thana-Sarath, Dist.- Deoghar, Jharkhand (2.17 Ha.)
6. Dumraon Stone Deposit of Shri Rajesh Kumar Mehta at Village Dumraon, Thana- Ichak, Dist.- Hazaribagh, Jharkhand (1.01 Ha.)
7. Brick Clay Mining for M/s Sanjay Bricks Product at Vill.- Kharsati, P.O./ P.S- Ghatsila, Dist- East Singhbhum, Jharkhand (0.98 Ha)

The next meeting shall be held from 12th to 15th January 2015

The meeting concluded with thanks to all present.



(R.N. Kashyap)
Secretary



(A K Saxena)
Chairman

A. Special Conditions

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

sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

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

B. General conditions

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



5. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
6. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
7. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
8. Dispensary facilities for First Aid shall be provided at site.
9. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
10. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi .
11. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
12. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
13. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM, RSPM,SO₂ ,NOx (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
14. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
15. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
16. All statutory clearances shall be obtained before start of plant operations.

C. Other points

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

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Annexure III

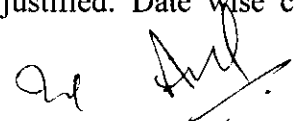
The TORs prescribed for undertaking detailed EIA study are as follows:

1. A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be included in the EIA Report.
2. All documents including approved mine plan, EIA and public hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management and mining technology and should be in the name of the lessee.
3. All corner coordinates of the mine lease area superimposed on High Resolution Imagery / toposheet should be provided.
4. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
5. Does the Environment Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
6. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
7. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
8. The terms and conditions imposed, if any, by the Competent Authority in the State Government while granting mining lease should be built into the mine plan as well as the EIA report. It may inter-alia include; area of working, mode of working, working shift, transportation of mineral etc.
9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc should be for the life of the mine / lease period.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated.
11. Land use plan of the mine lease area should be prepared to encompass Pre-operational, operational and post operational phases and submitted.
12. Details of the land for OB dump outside the mine lease such as extent of land area, distance from mine lease, its land use, R&R issues, if any should be given.
13. High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area (core and buffer zone) should be furnished.
14. Points made in Supreme Court order dated 27-02-2012 are to be considered while preparing EIA/EMP Report also Guidelines of SEIAA, Jharkhand and MoEF circulars / guidelines issued from time to time are to be given due consideration while preparing EIA/EMP Report.
15. Data of Flora / Fauna in the region where the Mining Lease Area is located is to be provided in the EIA/EMP Report. The same is to be duly authenticated.
16. Existence of Breeding ground of species like Hill Stream Fishes, Turtles, Mastacembelid Fish, Gastroopods, Bivalves etc. if any, in the vicinity and in the Mining area is to be prepared /

obtained and confirmed from DFO. In case if Breeding ground is not there, then a certificate of no occurring has to be obtained from DFO and incorporated in the EIA/EMP Report.

17. Mining plan has to be prepared keeping in view the applicable guidelines including distances from nearby structures. Sectional plan is to be shown.
18. Width of the river on which all these Ghats with authentic backup data / information.
19. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any in the project area, or otherwise, based on land use classification (revenue record) as also in terms of the definition of forest as pronounced in the judgment of the Hon'ble Supreme Court of India in the matter of T.N. Godavarman Vs. Union of India. In the event of any claim by the project proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
20. Status of forestry clearance for the broken up area and virgin forestland involved in the project including deposition of net present value (NPV) and compensatory afforestation (CA). A copy of the forestry clearance should also be furnished.
21. Implementation of status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
22. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly detailed mitigative measures required should be worked out with cost implications and submitted.
23. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from the State Wildlife Department/Chief Wildlife Warden under the Wildlife (Protection) Act, 1972 and copy furnished. In case, there is no such Eco-sensitive area within 10 km, the boundary of the nearest Eco-sensitive area with its distance shall be marked in a drawing and included in EIA / EMP Report.
24. A detailed biological study for the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on primary field survey clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
25. Impact, if any, of change of land use should be given.
26. R&R plan / compensation details for the project affected people should be furnished. While preparing the R&R plan, the Jharkhand State and National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs / STs and other weaker sections, need based sample survey, family-wise, should be undertaken to assess their requirement and action programmes prepared accordingly integrating the sectoral programme of line departments of the State Government.
27. Collection of ore season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected



baseline AAQ data should form part of EIA and EMP report. The mineralogical composition of RSPM/SPM particularly for free silica should be given. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10 particularly for free silica should be given.

28. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
29. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should be indicated.
30. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
31. Details of water conservation measures proposed to be adopted in the project should be given.
32. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground Water Board.
33. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. The quantity, volumes and methodology planned for removal and utilisation (preferably concurrently) of top soil should be indicated.
34. Impact on local transport infrastructure due to the project should be indicated. Projected increase in truck traffic as a result of the project in the present road network (including those outside the project area) should be worked out, indicating whether it is capable of handling the increased load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered.
35. Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
36. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
37. Occupational health impact of project should be anticipated and preventive measures initiated. Details in this regard should be provided. Details of pre placement medical examination and periodical medical examination schedules should be incorporated in the EMP.
38. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
39. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
40. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects.
41. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.



42. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
43. Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
44. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
45. Public hearing.

The following general points should be noted:

- I. Properly indexed, page numbered.
- II. Period/date of data collection should be clearly indicated. (non-monsoon)
- III. Authenticated English translation of all material in Regional languages should be provided.
- IV. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
- V. Site related monitoring shall be carried out for 3 months in one season (non monsoon).
- VI. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- VII. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- VIII. The consultants involved in the preparation of EIA / EMP report after accreditation with Quality Council of India (QCI) / National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA /EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc.

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

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of mining projects as prescribed by the Ministry shall also be filled and submitted.
- f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013

al *And*

/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.

- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH process again with the revised documentation.

The EIA report should also include

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

The prescribed TORs would be valid for a period of two years for submission of the EIA / EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) part dated 22.08.2014.

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

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A. Specific Conditions

1. That the proponent shall obtain approval of mining plan within 3 months from the committee constituted by the Deptt. of Mines & Geology, Govt. of Jharkhand from the date of grant of environmental clearance and the proponent shall be bound to comply the additional conditions framed by the Deptt. of Mines & Geology.
2. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
5. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / 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.

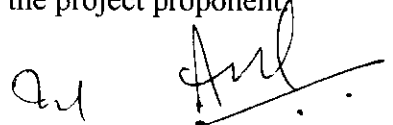
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13. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. 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

24 

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.



16. The environmental statement for each financial year ending 31st March in Form-V as mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along the status of compliance of EC conditions and shall also be submitted to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of grant of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Arul

Arul

A. Specific Conditions

1. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
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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.
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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.
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12. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.

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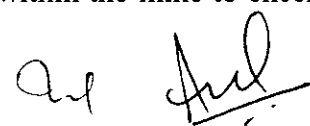
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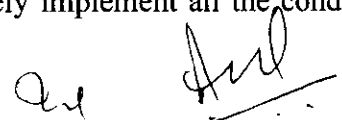
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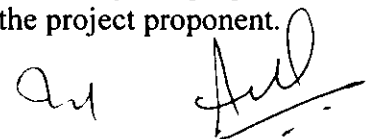


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22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for 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

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1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
7. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.

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16. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for the period of renewal of lease for the mine (generally 10 years). The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and 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.

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A. Specific Conditions

1. The environmental clearance is subject to grant / renewal of mining permit by the Department of Mines, Government of Jharkhand to PP Latest Minor Mineral Concession Rules of Govt. 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 / Brick Earth Mining.
1. 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.
4. The activity associated with borrowing / excavation of 'brick earth' and 'ordinary earth' for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.
5. The borrowing / excavation activity shall be restricted to a maximum depth of 2 m below general ground level at the site. However – excavation shall not intercept with ground water level at site.
6. The borrowing / excavation activity shall not alter the natural drainage pattern of the area.
7. The borrowing / excavated pit shall be restored by the project proponent for useful purpose (s).
8. Appropriate fencing all around the borrowed / excavated pit shall be made to prevent any mishap.
9. Measures shall be taken to prevent dust emission by covering of borrowed / excavated earth during transportation.
10. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing / excavation of earth.
11. Workers / labours shall be provided with facilities for drinking water and sanitation.
12. A considerable space from mine pit shall be left from the boundary of adjoining field, having, minimum width of 5M.
13. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.
14. 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.
15. 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.
16. 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.
17. 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.
 18. The project proponent should implement suitable conservation measures to augment ground water resources in the area as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
 19. 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.
 20. Suitable rainwater harvesting scheme shall be planned and implemented as per guidelines of Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
 21. 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.
 22. 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.
 23. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
 24. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
 25. Provision shall be made for the housing of 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.
 26. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
 27. A final mine closure scheme plan of mine pit shall be submitted to concerned DMO in advance of final mine closure for approval.
 28. The excavated earth – by such Brick mining pit owner – shall be supplied only to owners of manufacturing of bricks –having “Consent to Operate” under the provision of section 25 and 26 of The water (prevention and control of pollution) Act, 1974 and under section 21 of The Air (prevention and control of pollution) Act, 1981.
 29. All haul roads connection to mining pit head to concerned Brick kilns – shall have muram / Brick paved road to avoid fugitive emission during transportation activities. In addition to this there shall be tree plantation in both side along the haul road.
 30. Prime agricultural land shall not be used for earth mining – until and unless – permission of conversion of land has been obtained by component authority.

B. General conditions

1. No change in mining methodology 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 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. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
8. Dispensary facilities for First Aid shall be provided at site.
9. 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).
10. 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.
11. 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 its concerned Regional Office and to SEIAA.
12. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
13. 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.
14. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
15. All statutory clearances shall be obtained before start of mining operations.

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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 will be valid till the period of land lease and subject to renewal of mining permit which are generally granted for period of 6 month at one time. 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.

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A. Specific Conditions

1. The Environmental clearance is subject to grant of Mining Lease and will be co-terminus with the mining lease period. PP has to get the Mine Plan approved from the concerned authorities within 3 months from grant of EC.
2. The mining work will be open-cast and exclusively manual. No mechanical work or drilling / blasting should be involved at any stage.
3. It shall be ensured that there shall be no mining beyond 03 m or upto water level which ever is less in the issue of Sand Mining or Sand / Gravel Mining should be raised 15 meter away from the river side or mining should be restricted from the distance equal or more than 1/5 module of river width shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand from the river bed only.
4. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
5. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season. Due consideration will be given to points raised in Supreme Court judgement and SEIAA guidelines.
6. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
7. The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
8. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
9. Project falling within 1.0 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
10. Natural /customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
13. 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).

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14. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
15. 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.
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 / Central Ground Water Board.
17. 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.
18. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
19. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
20. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
21. 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.
22. 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.
23. 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. Any change in mining area Plot / Khata numbers, entailing capacity addition with change in process and or mining technology modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended), SEIAA guidelines and Supreme Court judgement on the subject.
2. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation, Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
3. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the 'clearance shall-be automatically deemed to have been cancelled.
4. Parking of vehicles should not be made on public places.
5. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
6. No wildlife habitat will be infringed.

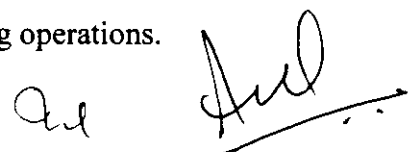
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7. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed / basin, where, mining is carried out.
8. It shall be ensured that mining operation will not in any way disturb the, velocity and flow pattern of the river water significantly.
9. It shall be ensured that there is no fauna dependant on the river bed or areas dose to mining for its nesting, primary survey of flora and fauna shall be carried out and data / report on the same, vetted by the competent authority shall be submitted to the RO, JSPCB and SEIAA within 03 months of grant of EC.
10. The proponent shall observe every 15 day for nesting of any turtle hill stream fishes in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat / nesting area is undisturbed.
11. Hydro- geological study shall be carried out by reputed organization / institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, JSPCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
12. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, JSPCB and SEIAA and this activity should be completed before the start of sand mining.
13. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects / tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
14. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO / Horticulture Officer.
15. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
16. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities, Maintenance of Village roads through which transportation of minerals is to be undertaken, shall be carried out by the project proponent regularly at his own expenses.
17. Measures for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geo textile matting or other suitable material.
18. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
19. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile / insect

like snake. Periodical and Annual medical check up of workers as per Mines Act and they should be covered under ESI as per rule.

20. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
21. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
22. 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.
23. 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.
24. 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.
25. Dispensary facilities for First Aid shall be provided at site.
26. 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.
27. 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.
28. 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.
29. 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.
30. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
31. 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.
32. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
33. 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. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



A. Special Conditions

1. Efforts shall be made to reduce RSPM (PM 10) levels in the ambient air and a time bound action plan shall be submitted. This shall cover the existing and proposed units.
2. Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
3. Electrostatic precipitator (ESP), dust catcher, bag filters etc. shall be provided to keep the emission levels within 50 mg / Nm³ and by installing energy efficient technology.
4. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 should be followed.
5. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414 (E) dated 30th May, 2008 and regularly Monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
6. Hot gases from Rotary kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solid and After Burning Chamber (ABC) to burn CO completely. The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack. The water consumption shall not exceed as per prescribed standards for the steel plants.
7. Total requirement of the water shall not exceed 165 m³ /day during operation i.e. during monsoon months. All the treated wastewater shall be recycled for dust suppression and green belt development. Domestic wastewater shall be treated in septic tank followed by soak pit. Zero effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
8. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources. Rain water harvesting as proposed in the Report will be implanted in two nearby villages. The scheme has to be got approved from Ground Water Directorate, Government of Jharkhand / Central Ground Water Authority / Board.
9. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
10. Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product. Efforts shall also be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash and washery rejects shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly monitored and records kept.

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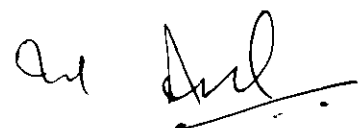
11. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the covered vehicles only and vehicles should not be overloaded. Vehicular emissions should be regularly monitored.
12. As proposed, green belt shall be developed in 33% of plant area within and around the project site to mitigate the impact of fugitive emissions as per the CPCB guidelines in consultation with local DFO.
13. The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the various Plants Units shall be implemented.
14. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the JSPCB within 3 months of issue of environment clearance letter.
15. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the JSPCB. Implementation of such program should be ensured accordingly in a time bound manner.
16. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. General conditions

1. The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State / Central Government Departments.
2. No change in process technology should be made without prior approval of the Statutory authorities, Jharkhand State Pollution Control Board, Ranchi during the EC period.
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 gaseous emissions from various process units shall conform to the load / mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
5. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM 10, SO₂ and NO_x are anticipated in consultation with JSPCB. Data on ambient air quality and stack emission shall be regularly submitted to SEIAA / JSPCB once in six months.
6. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.
7. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nithtttime).

And 

8. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
9. The Project proponent shall maintain register for production and dispatch and submit return to Jharkhand State Pollution Control Board, Ranchi.
10. The Project proponent shall not cut trees / carry out tree felling in plant area without the permission of competent authority.
11. 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.
12. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
13. 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.
14. Dispensary facilities for First Aid shall be provided at site.
15. 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.
16. 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 .
17. 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.
18. 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.
19. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
20. 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.
21. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.



22. All statutory clearances shall be obtained before start of plant operations.

C. Other points

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

