

MINUTES OF THE 23rd MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 17th to 20th NOVEMBER 2014

The 23rd meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 17th to 20th November 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. Dr. Mahendra Mahto - Secretary

Various projects which were received by SEIAA after the previous SEAC meeting held from 15th to 18th October 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 referred by SEIAA.

SEIAA vide its letter no 527, dated 14.11.2014 forwarded the 05 files for review and reappraisal. The above five files were reviewed. Of the five cases three PP's have complied with the requirements and have furnished the documents. The three cases are as follows:

1. Brick Clay Mining for M/s Bihar Bricks Product at Vill.- Kharasti, P.O. Karuduba, Dist.-East Singhbhum, Jharkhand (1.234 Ha).
2. Brick Clay Mining for M/s Priya Bricks at Vill.-Kashida, P.O.- Ghatsila, Dist.- East Singhbhum, Jharkhand (2.01 Ha).
3. Stone Boulder Mining for M/s Gupta Minerals at Vill.- Haridih, Thana- Ghatsila, Dist.- East Singhbhum, Jharkhand (0.64 Ha).

Since PP's have complied with the requirements and as such the same are recommended for consideration of SEIAA for grant of EC.

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

1. Proposals related to Stone Mine (New Project)

- I. **Dugdugiya Stone Deposit of Smt. Anju Devi at Vill.- Dugdugiya, Talulka- Gutjora, District- Khunti, Jharkhand (2.347 Ha)**

This is a Stone Mining Project for having an area of 2.347 Ha [Plot No- 1245 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant

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

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 12.10 Lakhs and a provision of Rs 2.10 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 4,16,280 t

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

1 st Year	:	Nil
2 nd Year	:	31,860 t
3 rd Year	:	31,860 t
4 th Year	:	31,860 t
5 th Year	:	31,860 t

The daily average production based on 300 working days as per is 106 tonnes.

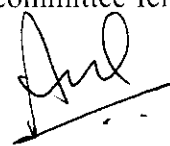
PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Dugdugiya Stone Deposit of Smt. Anju Devi at Vill.- Dugdugiya, Talulka-Gutjora, District- Khunti, Jharkhand (2.347 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

II. Karhadih Stone Mine of M/s Munna Kumar Singh at Vill.- Karhadih, Tehsil- Karhadih, District- Giridih, Jharkhand. (0.63 Ha).

This is a Stone Mining Project for having an area of 0.63 Ha [Plot No- 519 (P), 1982 (P), 330(P) & 1981]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

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



the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 26.00 Lakhs and a provision of Rs 0.20 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 22,680 t

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

1 st Year	:	14,553 t
2 nd Year	:	24,170 t
3 rd Year	:	18,684 t
4 th Year	:	15,930 t
5 th Year	:	28,161 t

The daily production as per Form I is 68 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 Karhadih Stone Mine of M/s Munna Kumar Singh at Vill.- Karhadih, Tehsil- Karhadih, District- Giridih, Jharkhand (0.63 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

III. Kandwakola Stone Mine of M/s A.B. Stone Works at Vill- Kendwa Kola, Tehsil- Devri, District- Giridih, Jharkhand. (0.81 Ha)

This is a Stone Mining Project for having an area of 0.81 Ha [Plot No- 155 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 26.00 Lakhs and a provision of Rs 1.70 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 1,85,860 t

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

1 st Year	:	10,692 t
2 nd Year	:	8708 t
3 rd Year	:	13,138 t

4 th Year	:	13,073 t
5 th Year	:	10,141 t

The daily production as per Form I is 37 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 Kandwakola Stone Mine of M/s A.B. Stone Works at Vill- Kendwa Kola, Tehsil- Devri, District- Giridih, Jharkhand. (0.81 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

IV. Kharkhar Stone Mine of Shri Amitabh Kumar at Vill- Kharkhar, Teshil-Markacho, District-Koderma, Jharkhand.(2.56 Ha)

This is a Stone Mining Project for having an area of 2.56 Ha [Plot No- 817, 818, 820, 824, 826 to 831, 832 (P), 833 to 846, 848, 849 (P), 850, 858 & 891 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 18.00 Lakhs and a provision of Rs 1.00 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	7,04,782 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	1,15,336 t
2 nd Year	:	30,880 t
3 rd Year	:	77,478 t
4 th Year	:	15,889 t
5 th Year	:	38,349 t

The daily production as per Form I is 185 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 Kharkhar Stone Mine of Shri Amitabh Kumar at Vill- Kharkhar,

Teshil- Markacho, District-Koderma, Jharkhand.(2.56 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

V. Domchanch Stone Mine of M/s Gopal Kumar at Village- Domchanch, Teshil -Markacho, District- Koderma, Jharkhand (2.72 Ha)

This is a Stone Mining Project for having an area of 2.72 Ha [Plot No- 5688 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required. nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 22.00 Lakhs and a provision of Rs 1.80 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 7,43,441 t

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

1 st Year	:	1,33,045 t
2 nd Year	:	67,376 t
3 rd Year	:	1,48,002 t
4 th Year	:	80,991 t
5 th Year	:	62,787 t

The daily production as per Form I is 325 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 Domchanch Stone Mine of M/s Gopal Kumar at Village- Domchanch, Teshil -Markacho, District- Koderma, Jharkhand (2.72 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

VI. Nawadih Stone Mine of M/s Maa Ambe mines at Vill.- Nawadih, Tehsil- Jainagar , District- Koderma , Jharkhand (2.02 Ha).

This is a Stone Mining Project for having an area of 2.02 Ha [Plot No- 708 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering



the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 35.00 Lakhs and a provision of Rs 0.60 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 4,40,090 t

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

1 st Year	:	64,641.65 t
2 nd Year	:	54,218.80 t
3 rd Year	:	55,048.51 t
4 th Year	:	53,573.62 t
5 th Year	:	60,187.62 t

The daily production as per Form I is 193 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 Nawadih Stone Mine of M/s Maa Ambe mines at Vill.- Nawadih, Tehsil- Jainagar, District- Koderma, Jharkhand (2.02 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

VII. Rajguru Stone Mines of Shri Rakesh Kumar Singh at Village- Rajguru, Tehsil- Hunterganj, District- Chatra, Jharkhand (2.37 Ha)

This is a Stone Mining Project for having an area of 2.37 Ha [Plot No- 907, 908, 912, 865 & 866] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view

of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 20.55 Lakhs and a provision of Rs 0.70 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 1.08,397 t

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

1 st Year	:	60,750 t
2 nd Year	:	59,535 t
3 rd Year	:	57,105 t
4 th Year	:	53,460 t
5 th Year	:	58,725 t

The daily production as per Form I is 193 tonnes.

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

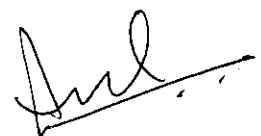
Based on the presentation made and information provided the Committee recommends that the proposal for Rajguru Stone Mines of Shri Rakesh Kumar Singh at Village-Rajguru, Tehsil- Hunterganj, District- Chatra, Jharkhand (2.37 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

VIII. Dudhiya Stone Deposit with Crusher of Shri Ankush Grover at Vill -Dudhiya, Tehsil-Baliapur, District- Dhanbad, Jharkhand (0.77 Ha)

This is a Stone Mining Project for having an area of 0.77 Ha [Plot No- 101 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 11.00 Lakhs and a provision of Rs 0.80 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are



Mineable Proved Reserve : 53,060 t

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

1 st Year	:	6350 t
2 nd Year	:	6327 t
3 rd Year	:	5470 t
4 th Year	:	5962 t
5 th Year	:	5689 t

The daily production as per Form I is 22 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 Dudhiya Stone Deposit with Crusher of Shri Ankush Grover at Vill - Dudhiya, Tehsil- Baliapur, District- Dhanbad, Jharkhand (0.77 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

IX. M/s Stone Quarry at Patardih of Shri Bhupal Singh & Azad Singh at Vill.- Patardih, Thana- Hirodih, District- Giridih, Jharkhand.(2.12 Ha)

This is a Stone Mining Project for having an area of 2.12 Ha [Plot No- 28 & 29] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 19.50 Lakhs and a provision of Rs 0.80 Lakhs will be kept for Environment management.

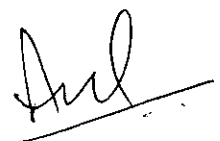
The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 6,17,123 t

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

1 st Year	:	63,798 t
2 nd Year	:	63,288 t
3 rd Year	:	63,566 t
4 th Year	:	63,577 t
5 th Year	:	63,450 t

The daily production as per Form I is 215 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 Stone Quarry at Patardih of Shri Bhupal Singh & Azad Singh at Vill.- Patardih, Thana- Hirodih, District- Giridih, Jharkhand.(2.12 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

X. Stone Mining of M/s Manish Kumar Lal at Vill.- Dumerdih (Armai), Tehsil- Gumla, District- Gumla, Jharkhand. (2.430 Ha)

This is a Stone Mining Project for having an area of 2.430 Ha [Plot No- 1864 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 177.9 Lakhs and a provision of Rs 8.70 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 9,80,000 t

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

1 st Year	:	72,000 t
2 nd Year	:	74,000 t
3 rd Year	:	75,000 t
4 th Year	:	75,000 t
5 th Year	:	75,000 t

The daily average production based on 300 working days as per is 250 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 Mining of M/s Manish Kumar Lal at Vill.- Dumerdih (Armai), Tehsil- Gumla, District- Gumla, Jharkhand. (2.430 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XI. Tendudih Stone Deposit of Shri Vinay Kumar Singh at Vill.- Tendudih, Tehsil- Chatarpur, Thana No - 388, District- Palamu, Jharkhand (1.41 Ha.)

This is a Stone Mining Project for having an area of 1.41 Ha [Plot No- 677 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required. nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt. due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 65.00 Lakhs and a provision of Rs 1.60 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 1.43,024 t

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

1 st Year	:	14,348 t
2 nd Year	:	14,556 t
3 rd Year	:	14,553 t
4 th Year	:	15,139 t
5 th Year	:	14,904 t


The daily production as per Form I is 49 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 Tendudih Stone Deposit of Shri Vinay Kumar Singh at Vill.- Tendudih, Tehsil- Chatarpur, Thana No - 388, District- Palamu, Jharkhand (1.41 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XII. Markacho Stone Deposit of M/s Mata Ganga Pathar Udyog at Village & P.S.- Markacho, District- Koderma, Jharkhand (3.2375 Ha.)

This is a Stone Mining Project for having an area of 3.2375 Ha [Plot No- 11563 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required. nor any formal EIA/EMP is to be prepared in the instant



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

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 50.00 Lakhs and a provision of Rs 1.85 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 16,55,734 t

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

1 st Year	:	1,60,388 t
2 nd Year	:	1,60,807 t
3 rd Year	:	1,59,046 t
4 th Year	:	1,59,999 t
5 th Year	:	1,60,364 t

The daily production as per Form I is 534 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 Markacho Stone Deposit of M/s Mata Ganga Pathar Udyog at Village & P.S.- Markacho, District- Koderma, Jharkhand (3.2375 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XIII. Dundu Stone & Morum Deposit of Shri Ashok Prasad at Village- Dundu, Thana- Manika, District- Latehar, Jharkhand (2.096 Ha)

This is a Stone Mining Project for having an area of 2.096 Ha [Plot No- 1566 & 1569] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

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

the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 1.75 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

	Stone	Morum
Mineable Proved Reserve :	6,55,959 t	21,330

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

	Stone	Morum
1 st Year :	34,798 t	1365
2 nd Year :	34,995 t	8919
3 rd Year :	34,187 t	Nil
4 th Year :	34,943 t	Nil
5 th Year :	34,147 t	Nil

The daily production as per Form I is 117 tonnes (Stone) & 30 tonnes (Morrum) .

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

Based on the presentation made and information provided the Committee recommends that the proposal for Dundu Stone & Morum Deposit of Shri Ashok Prasad at Village-Dundu, Thana- Manika, District- Latehar, Jharkhand (2.096 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XIV. Murkum Stone Deposit of Sri Varun Mundhra at Vill Murkum, Thana- Saraikela, District- Saraikela-Kharsawan, Jharkhand (3.40 Ha)

This is a Stone Mining Project for having an area of 3.40 Ha [Plot No- 1588 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 1.75 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve :	12.23.254 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	1,30,650 t
2 nd Year	:	1,31,981 t
3 rd Year	:	1,31,139 t
4 th Year	:	1,31,209 t
5 th Year	:	1,32,562 t

The daily production as per Form I is 438 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 Murkum Stone Deposit of Sri Varun Mundhra at Vill Murkum, Thana- Saraikela, District- Saraikela-Kharsawan, Jharkhand (3.40Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XV. Hutar Stone Mine of Shri Mangu Horo at Vill.-Hutar (Toyatoli), Tehsil- Khunti, District- Khunti, Jharkhand. (0.809 Ha)

This is a Stone Mining Project for having an area of 0.809 Ha [Plot No- 214 (P)] for production of stone bricks. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 14.00 Lakhs and a provision of Rs 2.55 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	98,015 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	9385 t
2 nd Year	:	9589 t
3 rd Year	:	9346 t
4 th Year	:	9397 t
5 th Year	:	9453 t

The daily production as per Form I is 32 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 Hutar Stone Mine of Shri Mangu Horo at Vill.-Hutar (Toyatoli), Tehsil- Khunti, District- Khunti, Jharkhand. (0.809 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XVI. Stone Mine of M/s Kuldip Kumar & Co. at Vill.- Salukchapra, Block- Nirsa, District- Dhanbad Jharkhand (3.095 Ha).

This is a Stone Mining Project for having an area of 3.095 Ha [Plot No- 2761, 2762 & 3031 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The Committee noted that the distance of Forest from Plot no 3031 (P) is 225 m. While preparing mine plan a minimum distance of 250 m has to be kept from Forest Boundary. 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 13.60 Lakhs and a provision of Rs 3.59 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 8,49,253 t

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

1 st Year	:	1,51,708 t
2 nd Year	:	1,48,111 t
3 rd Year	:	1,72,427 t
4 th Year	:	1,75,019 t
5 th Year	:	1,62,761 t

The daily production as per Form I is 583 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 Kuldip Kumar & Co. at Vill.- Salukchapra, Block- Nirsa, District- Dhanbad Jharkhand (3.095 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I



XVII. Stone Mine of M/s Jai Maa Gauri Stone Works at Vill.- Lataki, Tehsil-Jamua, Dist.- Giridih, Jharkhand (1.173 Ha)

This is a Stone Mining Project for having an area of 1.173 Ha [Plot No- 5830 (P)] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 30.00 Lakhs and a provision of Rs 2.79 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 2,13,211 t

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

1 st Year	:	23,312 t
2 nd Year	:	23,404 t
3 rd Year	:	23,436 t
4 th Year	:	23,447 t
5 th Year	:	23,458 t

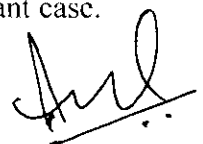
The daily production as per Form I is 78 tonnes.

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 Jai Maa Gauri Stone Works at Vill.- Lataki, Tehsil-Jamua, Dist.- Giridih, Jharkhand (1.173 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

XVIII. Kanglatar Stone Deposit of Shri Charu Chand Kisku at Vill.- Village- Kangalatanr, Thana- Chandil, District- Saraikela- Kharsawan, Jharkhand (2.428 Ha).

This is a Stone Mining Project for having an area of 2.428 Ha [Plot No- 167 & 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 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 35.00 Lakhs and a provision of Rs 2.33 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 5,22,207 t

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

1 st Year	:	53,442 t
2 nd Year	:	53,012 t
3 rd Year	:	53,865 t
4 th Year	:	53,890 t
5 th Year	:	53,700 t

The daily production as per Mine Plan is 180 tonnes.

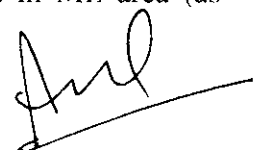
PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Kanglatar Stone Deposit of Shri Charu Chand Kisku at Vill.- Village-Kangalatanr, Thana- Chandil, District- Saraikela- Kharsawan, Jharkhand (2.428 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - I

Annexure- I

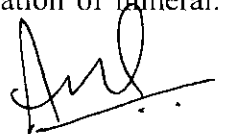
A. Specific Conditions

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



The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.

19. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of IIEEMM, 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 is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

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

Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter:

5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

XIX. Bandag Stone Deposit of Shri Binod Kumar at Vill.- Banadag, P.S.- Angara, District- Ranchi, Jharkhand (1.25 Ha)

This is a Stone Mining Project for having an area of 1.25 Ha [Plot No- 640 & 642] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 25.00 Lakhs and a provision of Rs 1.65 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 1.96.574 t

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

1 st Year	:	20,007 t
2 nd Year	:	20,104 t
3 rd Year	:	20,355 t
4 th Year	:	20,253 t
5 th Year	:	20,299 t

The daily production as per Form I is 67 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 Bandag Stone Deposit of Shri Binod Kumar at Vill.- Banadag, P.S.- Angara, District- Ranchi, Jharkhand (1.25 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below

A. Specific Conditions



1. The environmental clearance is subject to grant of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
3. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
4. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project (in case any fauna occurs / is found in the Project area). No damage is to be done to fauna if found in MI. area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
5. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
6. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
7. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
8. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
9. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
10. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
11. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
12. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
13. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured



that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

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

B. General conditions

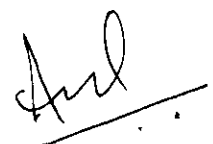
1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.



5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of 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 is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

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



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

2. Proposals related to Stone Mine (Renewal Projects)

XX. Stone Quarry at Tilabani of Shri Debdatta Maity at Vill.- Tilabani, P.S.- Chakuliya, Dist.- East Singhbhum, Jharkhand (1.198 Ha)

This is a Stone Mining Project for having an area of 1.198 Ha [Plot No- 1246] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 08.05.2009 for a period of 05 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 8.48 Lakhs and a provision of Rs 0.40 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve : 1,59,229 t (1 cum = 2.3 t)

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

1 st Year	:	10,488 t
2 nd Year	:	12,760 t
3 rd Year	:	11,187 t



4 th Year	:	12,760 t
5 th Year	:	13,110 t

The daily production as per Form I is 58.65 tonnes. (25.5 cum)

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 Quarry at Tilabani of Shri Debdatta Maity at Vill.- Tilabani, P.S.- Chakuliya, Dist.- East Singhbhum, Jharkhand (1.198 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – II

XXI. M/s Nawadih Stone Mines of Shri Mahendra Prasad Verma at Village- Nawadih, Tehsil-Koderma, District- Koderma, Jharkhand (1.327 Ha)

This is a Stone Mining Project for having an area of 1.327 Ha [Plot No- 1342, 1422 to 1424, 1427 to 1431, 1434, 1435, 1528 to 1541] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.c.f. 25.11.2003 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same. carrying out CSR activities for socio-economic development. development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 15.25 Lakhs and a provision of Rs 1.00 Lakhs will be kept for Environment management.

The details of mine capacity as per Approved Mining Plan are

Mineable Proved Reserve	:	1,23,530 t
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Year-wise Production as per Approved Mining Plan Report for five years is as follows

1 st Year	:	13,730 t
2 nd Year	:	13,581 t
3 rd Year	:	13,438 t
4 th Year	:	13,686 t
5 th Year	:	13,646 t

The daily production as per Form I is 46 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 Nawadih Stone Mines of Shri Mahendra Prasad Verma at Village- Nawadih, Tehsil- Koderma, District- Koderma, Jharkhand (1.327 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – II

Annexure II

A. Specific Conditions

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

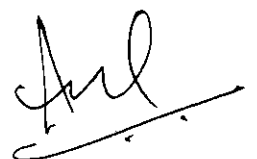


12. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease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

B. General conditions



1. No change in mining technology and scope of working should be made without prior approval of the Statutory authorities / Department of Mines, Government of Jharkhand / Jharkhand State Pollution Control Board, Ranchi during the EC period.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
4. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
5. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
6. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of IEMM, 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 is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along the status of compliance of EC conditions and shall also be sent to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.


C. Other points

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

XXII. Khaprajola Stone Mines of Shri Shyam Madhyan at Vill.- Khaprajola, Tehsil- Pakur, District- Pakur, Jharkhand. (3.32 Ha)

This is a Stone Mining Project for having an area of 3.32 Ha [Plot No- 622 to 629 & 631 to 637]. The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 28.08.2009 to 21.05.2014. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will not have any major impact on the surroundings. The indicated project cost is Rs 35.00 Lakhs and a provision of Rs 0.30 Lakhs will be kept for Environment management.



The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 7,30,324 t

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

1 st Year	:	29,165 t
2 nd Year	:	26,897 t
3 rd Year	:	29,970 t
4 th Year	:	35,751 t
5 th Year	:	36,439 t

The daily production as per Form I is 120 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 Khaprajola Stone Mines of Shri Shyam Madhyan at Vill.- Khaprajola, Tehsil- Pakur, District- Pakur, Jharkhand. (3.32 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III

XXIII. Sorha Stone Mines of Mr. Shashi Bhusan & Jai Singh Khalkho at Vill.- Sorha, Tehsil- Ranchi, District- Ranchi, Jharkhand (1.012 Ha)

This is a Stone Mining Project for having an area of 1.012 Ha [Plot No- 167 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 02.07.2002 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

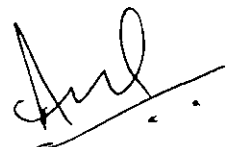
The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 7.90 Lakhs and a provision of Rs 0.50 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 2,89,575 t

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

1 st Year	:	31,212 t
2 nd Year	:	31,347 t
3 rd Year	:	31,301 t



4 th Year	:	31,234 t
5 th Year	:	31,269 t

The daily production as per Form I is 105 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 Sorha Stone Mines of Mr. Shashi Bhusan & Jai Singh Khalkho at Vill.- Sorha, Tehsil- Ranchi, District- Ranchi, Jharkhand (1.012 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III

XXIV. Quartzite Quarry at Futkadih of Shri Jitendra Kumar Jain at Vill.- Futkadih, P.S- Peterwar, Dist.- Bokaro, Jharkhand. (0.255 Ha)

This is a Stone Mining Project for having an area of 0.255 Ha [Plot No- 19] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 29.01.2003 for a period of 09 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 4.25 Lakhs and a provision of Rs 0.60 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve	:	9485 t
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Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	1436 t
2 nd Year	:	1428 t
3 rd Year	:	1409 t
4 th Year	:	1415 t
5 th Year	:	1426 t

The daily production as per Form I is 4.82 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 Quartzite Quarry at Futkadih of Shri Jitendra Kumar Jain at Vill.- Futkadih, P.S- Peterwar, Dist.- Bokaro, Jharkhand. (0.255 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III

XXV. Quartzite (Stone) Mining Project of M/s Janak Raj Goyal at Vill.- Patahesal, Thana- Kharsawan, District- Saraikela- Kharsawan Jharkhand (1.2 Ha)

This is a Stone Mining Project for having an area of 1.2 Ha [Plot No- 686 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 08.07.2010 to 03.06.2014.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 119.78 Lakhs and a provision of Rs 63.50 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 2,69,500 t

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

1 st Year	:	25,381 t
2 nd Year	:	29,280 t
3 rd Year	:	30,232 t
4 th Year	:	30,018 t
5 th Year	:	30,000 t

The daily production as per Mine Plan 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 Quartzite (Stone) Mining Project of M/s Janak Raj Goyal at Vill.- Patahesal, Thana- Kharsawan, District- Saraikela- Kharsawan Jharkhand (1.2 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – III

XXVI. Tajpur Stone Mine of Shri Nakeeb Khan at Vill.- Tajpur, Thana- Chauparan, District- Hazaribagh, Jharkhand.(0.56 Ha)



This is a Stone Mining Project for having an area of 0.56 Ha [Plot No- 50 (P) & 53 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 12.01.2002 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 14.00 Lakhs and a provision of Rs 1.10 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 35,181 t

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

1 st Year	:	3950 t
2 nd Year	:	3974 t
3 rd Year	:	3991 t
4 th Year	:	4147 t
5 th Year	:	4180 t

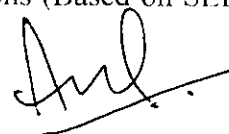
The daily production as per Form I is 14 tonnes.

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 Tajpur Stone Mine of Shri Nakeeb Khan at Vill.- Tajpur, Thana- Chauparan, District-Hazaribagh, Jharkhand (0.56 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III

XXVII. Birbir Stone & Morrur Mine of Sri Junad Anwar at Village Murkum, Thana- Saraikela, District- Saraikela- Kharsawan, Jharkhand (0.75 Ha.)

This is a Stone Mining Project for having an area of 0.75 Ha [Plot No- 198 (reyati land), 199 (GM land) & 200 (GM land)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.e.f. 16.12.2004 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA



guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 15.00 Lakhs and a provision of Rs 0.90 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

	Stone	Morrum
Mineable Proved Reserve :	1,67,063 t	21,852 t

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

	Stone	Morrum
1 st Year :	17,056 t	8287 t
2 nd Year :	17,202 t	5233 t
3 rd Year :	17,107 t	4064 t
4 th Year :	17,002 t	Nil
5 th Year :	17,226 t	Nil

The daily production as per Form I is 57 tonnes (Stone) & 28 tonnes (Morrum).

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

Based on the presentation made and information provided the Committee recommends that the proposal for Birbir Stone & Morrum Mine of Sri Junad Anwar at Village Murkum, Thana- Saraikela, District- Saraikela- Kharsawan, Jharkhand (0.75 Ha.) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III

XXVIII. Adar Stone Quarry of M/s Bharat Stone Works at Vill.- Adar, Tehsil- Padma, District-Hazaribagh, Jharkhand. (0.40 Ha)

This is a Stone Mining Project for having an area of 0.40 Ha [Plot No- 945 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid w.c.f. 15.03.2011 for a period of 10 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic



development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 7.00 Lakhs and a provision of Rs 2.95 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 83.600 t

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

1 st Year	:	3243 t
2 nd Year	:	3548 t
3 rd Year	:	3488 t
4 th Year	:	3456 t
5 th Year	:	3505 t

The daily production as per Form I is 12 tonnes.

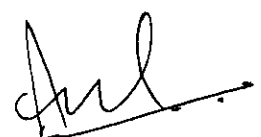
PP has submitted certificates from Circle Officer, DFO & DMO. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Adar Stone Quarry of M/s Bharat Stone Works at Vill.- Adar, Tehsil-Padma, District-Hazaribagh, Jharkhand. (0.40 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure - III

XXIX. Bunda Bedo Baraghati Stone Quarry of M/s Bikash Stone works at Vill.- Bunda Bedo Badaghati, Tehsil- Pathna, Dist.- Shahibganj, Jharkhand (2.83 Ha)

This is a Stone Mining Project for having an area of 2.83 Ha [Plot No- 355 (P) to 360 (P)] . The committee noted that as per Form I it is a proposal for renewal of mining lease for which PP is seeking EC. The lease was valid upto 13.03.2005. PP has applied for renewal of mining lease. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan. Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 17.05 Lakhs and a provision of Rs 7.00 Lakhs will be kept for Environment management.



The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 17,29,950 t

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

1 st Year	:	1,80,000 t
2 nd Year	:	2,10,000 t
3 rd Year	:	2,40,000 t
4 th Year	:	2,40,000 t
5 th Year	:	2,40,000 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 Bunda Bedo Baraghati Stone Quarry of M/s Bikash Stone works at Vill.- Bunda Bedo Badaghati, Tehsil- Pathna, Dist.- Shahibganj, Jharkhand (2.83 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure – III

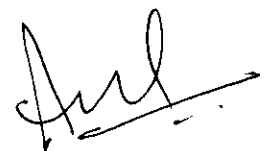
Annexure III

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 renewal of mining lease by the Department of Mines, Government of Jharkhand to PP and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
3. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance. Minimum distance shall be maintained from Reserved / Protected Forest as stipulated in SEIAA Guidelines.
4. Environmental clearance is subject to final order of the Hon`ble Supreme Court of India / 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 MI. area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.
6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan. The Mining Plan has to be got approved by concerned authorities as per SEIAA guidelines. Safety measures shall be adopted in line with DGMS Guidelines.
7. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.



8. The project proponent shall ensure that no natural watercourse and / or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating / passing through the mine lease area during the course of mining operation.
9. The top soil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.
10. There shall be no external dump(s). Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
11. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, sub-grade and mineral dump(s) to prevent run off of water and flow of sediments directly into the agricultural fields, and other water bodies. The water so collected should be utilized for watering the mine area, haul roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.
12. Dimension of the retaining wall at the toe of the OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
13. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease area or it is not possible to plant trees due to nature of land then PP will do necessary afforestation at other places / land.
14. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and transfer points. Extensive water sprinkling shall be carried out on haul roads which should be made pucca with suitable water drainage arrangements. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
15. The project proponent should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
16. The project proponent shall if required, obtain necessary prior permission/NOC of the competent authorities for drawl of requisite quantity of water required for the project.
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board.
18. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.
19. No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
20. Drills shall either be operated with the dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.



23. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
24. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
25. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
26. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.
27. The project proponent shall obtain Consent to establish and Consent to Operate from the Jharkhand State Pollution Control Board, Ranchi and effectively implement all the conditions stipulated therein

B. General conditions

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



12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently ,shall also be put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.
17. All statutory clearances shall be obtained before start of mining operations.

C. Other points

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

XXX. Chotta Mirkhi Stone Mines of M/s S.S. Raisers Pvt. Ltd at Village- Chotta Mirkhi, Tehsil-Devipur, District- Deoghar, Jharkhand (2.834 Ha)

This is a Stone Mining Project for having an area of 2.834 Ha [Plot No- 12 (P)] . The committee noted that as per Form I it is a proposal for modernization (mechanisation) project for which PP

is seeking EC. The lease was valid w.e.f. 01.10.2011 to 29.03.2015.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 20.50 Lakhs and a provision of Rs 3.44 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 5,28,215 t

Year-wise Production as proposed under Mining Plan Report for one year is as follows

1st year: 2,05,182 t

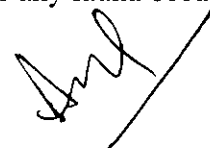
The daily average production based on 300 working days as per Form I is 684 tonnes.

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 Chotta Mirkhi Stone Mines of M/s S.S. Raisers Pvt. Ltd at Village-Chotta Mirkhi, Tehsil- Devipur, District- Deoghar, Jharkhand (2.834 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given below.

A. Specific Conditions

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



/ is found in the Project area). No damage is to be done to fauna if found in ML area (as mentioned in various schedules). In case found they should be given protection, collected alive with the help of the expert and transferred them or handing over them to the concerned authorities. Conservation Plan, if applicable has to be adhered to.

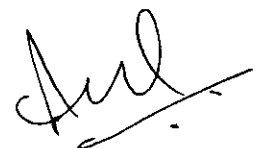
6. The mining operations shall be restricted to above ground water table and it should not intersect the groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches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



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

B. General conditions

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



8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
9. Dispensary facilities for First Aid shall be provided at site.
10. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover) or at least Rs 1 per ton whichever is higher.
12. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
13. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
14. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,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 public domain.
15. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
16. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be put on the website of the company along the status of compliance of E:C 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 till the period of renewal of lease for the mine upto 29.03.2015. 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.

XXXI. Tirildih Stone Mine of M/s Kiran Const & Infra Pvt Ltd at Vill.- Tirildih,Thana- Ghatsila, Dist.- East Singhbhum, Jharkhand. (4.27 Ha)

This is a Stone Mining Project for having an area of 4.27 Ha [Plot No- 1226 (P)] . The committee noted that as per Form I it is a proposal for expansion project for which PP is seeking EC. The lease was valid w.e.f. 29.02.2012 to 28.02.2017 for a period of 05 years.. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed with respect to proposed Mining Plan, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the mine, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining haul roads and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 55.00 Lakhs and a provision of Rs 2.70 Lakhs will be kept for Environment management.

The details of mine capacity as provided in Mining Plan are

Mineable Proved Reserve : 32,97,605 t

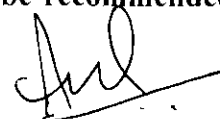
Year-wise Production as proposed under Mining Plan Report for five years is as follows

1 st Year	:	3,29,441 t
2 nd Year	:	3,29,063 t
3 rd Year	:	3,30,116 t
4 th Year	:	3,29,786 t
5 th Year	:	3,30,194 t

The daily production as per Form I is 1099 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 Tirildih Stone Mine of M/s Kiran Const & Infra Pvt Ltd at Vill.- Tirildih,Thana- Ghatsila, Dist.- East Singhbhum, Jharkhand. (4.27 Ha) be recommended



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

A. Specific Conditions

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

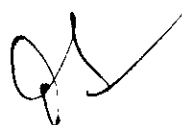


13. Greenbelt shall be developed all along the mine lease area and haul roads. The Project proponent shall do tree plantation in at least 33% of the space, preferably along the periphery and in vacant space. Fast growing and local species will be planted. In case land is not available within the lease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

B. General conditions



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



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

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid till the period of renewal of lease for the mine upto 28.02.2017. 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.

3. Proposals related to Bauxite & Graphite, Quartz & Felspar Mine

I. Betla Graphite, Quartz & Felspar Mine of M/s Parijat Mining Industries (India) Pvt. Ltd. at Village- Betla, Dist.- Latchar, Jharkhand (7.216 Ha)

This is a mining project having a lease area of 7.216 Ha. The lease was sanctioned on 29th September 1995 for a period of 20 years for an area of 7.216 Ha. The Committee also noted that the PP had applied to MoEF on 01.12.2012. In the Executive Summary submitted along with the new application they have shown a production figure of 40,266 tonnes per year. As per Executive Summary the total mineral resources are 1.0 Mt (Graphite 3,14,920 tonnes, Quartz 3,45,474 tonnes & Felspar 3,41,317 tonnes) and mineable reserves are 0.959 Mt (Graphite 2,95,530 tonnes, Quartz 3,33,924 tonnes & Felspar 3,29,227 tonnes). The production rate is 87,900 tonnes per year (Graphite 32,556 tonnes per year, Quartz 27,672 tonnes per year & Felspar 27,672 tonnes per year). The expected life of mine has been indicated as 08 years based on 295 working days per year. This project falls under B1 category. The MoEF, GoI, New Delhi forwarded the application to SEIAA, Jharkhand for its consideration for issuance of TORs. The mine lease area located between 84° 22'6.27" E to 84° 22'20.77" E and 23° 56'17.82" N to 23° 56'27.66" N.

The PP alongwith his Consultant M / s Grass Roots Research and Creation India (P), Ltd, New Delhi made a presentation for grant of EC based on approved mine plans, Environmental Management Plans were also submitted by PP. The EC will be valid till 31st March 2020 subject to approval of Mining Lease.



Based on the presentation made and information provided the Committee recommends that the proposal for Betla Graphite, Quartz & Felspar Mine of M/s Parijat Mining Industries (India) Pvt. Ltd. at Village- Betla, Dist.- Latehar, Jharkhand (7.216 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IV

II. Chirodih Bauxite Mine of Sri Madan Mohan Prasad Singh at Village-Chirodih, Taluka-Bishunpur, Dist.- Gumla, Jharkhand. (31.417 Ha)

This is a Bauxite Mining Project having a lease area of 31.417 Ha which includes 9.51Ha of Forest Land. In Form I PP has stated that he has applied for Diversion of Forest. The lease was sanctioned on 24th March 1984 for a period of 20 years for an area of 31.4158 Ha They have applied for extension of Mining Lease for a further period of 20 years on 17th March 2003. As per renewal application they had proposed to mine 20,000 tonnes of Bauxite in the First year (2002-03) and raise the production to 25,000 tonnes from 2nd year(2003-04). The Committee also noted that the PP had applied to MOEF on 19.5.2009 based on production figure of 13,000 tonnes per annum and TORs were issued. However the PP had on 20.7.2012 again applied to MOEF for issue of TOR. In the Executive Summary submitted along with the new application they have shown a production figure of 66,067 tonnes per year. As per Executive Summary the total Geological reserves are 2.033 Mt and mineable reserves are 1.32 Mt. The life of mine has been indicated as 17 years based on 297 working days per year. This project falls under 'B1' Category MOEF, GoI, New Delhi forwarded the application to SEIAA, Jharkhand for its consideration for issuance of TORs. The mine is located between 84°17'27" to 84°17'46" E and 23°18'1" to 23°18'35"N.

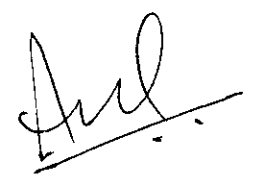
The PP alongwith his Consultant M / s Grass Roots Research and Creation India (P). Ltd. New Delhi made a presentation for grant of EC.

EC will be valid for the period of life of mine i.e. 20 years subject to renewal of Mining Lease.

Based on the presentation made and information provided the Committee recommends that the proposal for Chirodih Bauxite Mine of Sri Madan Mohan Prasad Singh at Village-Chirodih, Taluka-Bishunpur, Dist.- Gumla, Jharkhand. (31.417 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IV

III. Narma Bauxite Mine of Sri Madan Mohan Prasad Singh at Village-Narma, Taluka-Bishunpur, Dist.- Gumla, Jharkhand (21.00 Ha)

This is a Bauxite Mining Project having a lease area of 21.00 Ha which includes 8.49 Ha of Forest Land. In Form I PP has stated that he has applied for surrender of 8.49 ha of Forest Land. The lease was sanction on 25th October 1986 and executed on 26th March 1990 for a period of 20 years for an area of 21.00 Ha. You have applied for extension of Mining Lease on 7th March 2009. As per Form I you have mentioned a production figure of 41,500 tonnes of Bauxite per year. As per executive summary, the total mineral resources 7,77,793 tonnes and mineable reserve are 6,23,936 tonnes. The expected life of mine has been indicated as 12 years based on current reserves and 295 working days. This project falls under B1 category. The MoEF forwarded the application to SEIAA, Jharkhand for its consideration for issuance of TORs. The mine lease area located between 84° 16'32.99" E to 84° 16'9.8" E and 23° 23'30.45" N to 23° 23'53.66" N. The indicated project cost is Rs 2 Crores.



The PP alongwith his Consultant M / s Grass Roots Research and Creation India (P), Ltd, New Delhi made a presentation for grant of EC.

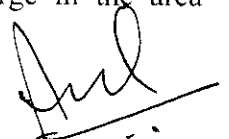
EC will be valid for the period of life of mine i.e. 12 years subject to renewal of Mining Lease.

Based on the presentation made and information provided the Committee recommends that the proposal for Narma Bauxite Mine of Sri Madan Mohan Prasad Singh at Village-Narma, Taluka-Bishunpur, Dist.- Gumla, Jharkhand (21.00 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure IV

Annexure IV

A. Specific Conditions

1. The Environmental Clearance is subject to renewal of mining lease as per rule 24A of mineral concession Rule 1960 and all other Statutory Conditions as imposed by various agencies / District Authorities are complied with.
2. All the conditions stipulated by the State Pollution Control Board in their NOC shall be effectively implemented.
3. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, as may be applicable to this project. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
4. Necessary permission from the Forest Department for transportation of mineral through the forest road shall be revalidated before restarting mining operation.
5. The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below the ground water table, prior approval of the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board shall be obtained. Benches height and slope shall be maintained as per approved Mining Plan.
6. The project proponent shall ensure that no natural watercourse shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the first order and the second order streams, if any emanating/passing through the mine lease area during the course of mining operation.
7. Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.
8. The entire waste generated shall be backfilled and there shall be no external over burden dump left at the end of the mine life. The entire backfilled area shall be reclaimed by plantation. The back filling should be carried out in such a manner that it is restored to the normal ground level. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office on six monthly basis.
9. Catch drains and siltation ponds of appropriate size should be constructed for the working pit, temporary OB dumps, if any and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
10. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and temporary dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area



adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.

11. Dimension of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rain fall data.
12. Plantation shall be raised in the 7.5m wide green belt in the safety zone around the mining lease by planting the native species around ML area, backfilled and reclaimed area, around water body, roads etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
13. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
14. The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board/ Authority.
15. Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year i.e. January, April-May, August, November and the data thus collected may be sent regularly to Jharkhand State Pollution Control Board, Ranchi and its nearest Regional Office / Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority.
16. The project authorities should obtain prior approval of the competent authority for drawl of water required for the project.
17. Suitable rainwater harvesting measures shall be planned and implemented in consultation with the Ground Water Directorate, Government of Jharkhand / Central Ground Water Board / Authority.
18. Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.
19. Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.
20. Drills shall either be operated with dust extractors or equipped with water injection system.
21. Effective safeguard measures should be taken to control fugitive emissions so as to ensure that RSPM (PM10 and PM 2.5) levels are within prescribed limits.
22. Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained.
23. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, septic tanks, safe drinking water, medical health care, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
24. Proper safety measures as per statutory requirement are to be implemented around the mined out Pit prior to closure of site.
25. A final mine closure Plan along with corpus fund duly approved by Competent Authority shall be submitted to the Jharkhand State Pollution Control Board, Ranchi and to concerned DMO in advance of final mine closure for approval.

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26. Consent to operate should be obtained from JSPCB before starting production from the mine.

B. General conditions

1. No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
2. No change in the calendar plan including excavation, quantum of mineral bauxite and waste should be made.
3. The Project proponent shall maintain register for production and dispatch and submit return to the Board.
4. The Project proponent shall not cut trees / carry out tree felling in leased out area without the permission of competent authority.
5. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for SPM / RSPM (PM10 and PM 2.5) levels, SO₂ & NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
6. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
7. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
8. Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from workshop.
9. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
10. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Dispensary facilities for First Aid shall be provided at site.
11. A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior Executive, who will report directly to the Head of the organization.
12. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
13. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) by furnishing the requisite data / information / monitoring reports.
14. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.



15. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely; SPM RSPM, SO₂, NO_x (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
16. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent. JSPCB should display a copy of the clearance letter at the Regional Office, District Industry Centre and DC's, Circle Officer's Office for 30 days. The project authorities should also advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Jharkhand State Pollution Control Board.
17. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the concerned Regional Office of JSPCB by e-mail.
18. All statutory clearances shall be obtained before start of mining operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
3. The Environmental Clearance accorded shall be valid for the period of renewal of lease (generally 20 years) / life of mine or for 30 years whichever is less. The PP shall not increase production rate and alter lease area during the validity of Environmental Clearance.
4. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
5. The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
6. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

4. Proposals related to Brick Earth

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I. Brick Clay Mining for M/s Raj Sonu Bricks at Vill.-Swargachira, Taluka -Dhalbhumgarh, District- East Singhbhum, Jharkhand (0.87 Ha)

This is a Brick Clay Mining Project for having an area of 0.87 Ha [Plot No-231]. The committee noted that as per Form I it is a proposal for renewal 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 34.20 Lakhs and a provision of Rs 2.05 Lakhs will be kept for Environment management.

*Certificates from
DMO, Dto &
others*

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. 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 Raj Sonu Bricks at Vill.-Swargachira, Taluka Dhalbhumgarh , District- East Singhbhum, Jharkhand (0.87 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

II. Brick Clay Mining for M/s S.I.R Bricks at Village- Urlung, Tehsil- Ghutua, District- Ramgarh, Jharkhand.(0.98 Ha)

This is a Brick Clay Mining Project for having an area of 0.98 Ha [Plot No- 145]. 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 2.45 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.I.R Bricks at Village- Urlung, Tehsil- Ghutua, District- Ramgarh, Jharkhand.(0.98 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

III. Brick Clay Mining for M/s Jyoti Bricks at Vill.- Kaitha, Tehsil- Kaitha, District- Ramgarh, Jharkhand (0.40 Ha).

This is a Brick Clay Mining Project for having an area of 0.40 Ha [Plot No- 55]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EEMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed 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 36.00 Lakhs and a provision of Rs 2.22 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 Jyoti Bricks at Vill.- Kaitha, Tehsil- Kaitha, District- Ramgarh, Jharkhand (0.40 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

IV. Brick Clay Mining for M/s Stone Bricks at Vill.- Sasang, Tehsil- Kaima, District- Latchar, Jharkhand (0.98Ha)

This is a Brick Clay Mining Project for having an area of 0.98 Ha [Plot No-116 & 119]. 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 Lakhs and a provision of Rs 2.45 Lakhs will be kept for Environment management.

certificates & distance?

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.

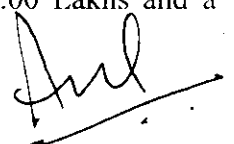
The proposed annual excavation capacity as per Form I has been indicated as 1584 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Stone Bricks at Vill.- Sasang, Tehsil- Kaima, District- Latchar, Jharkhand (0.98Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

V. Brick Clay Mining for M/s Dev Bricks at Village - Kaitha, Tehsil- Kaitha, District- Ramgarh, Jharkhand(0.79 Ha)

This is a Brick Clay Mining Project for having an area of 0.79 Ha [Plot No- 416]. 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 41.00 Lakhs and a provision of Rs 2.64 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 Dev Bricks at Village - Kaitha, Tehsil-Kaitha, District- Ramgarh, Jharkhand(0.79 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

VI. Brick Clay Mining for M/s Sadhu Bricks(Shri Vinod Kumar Sharma) at Vill.- Barkakana, District- Ramgarh , Jharkhand (1.01 Ha)

This is a Brick Clay Mining Project for having an area of 1.01 Ha [Plot No- 305 (P), 380 (P) & 381 (P)]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed 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 47.65 Lakhs and a provision of Rs 4.73 Lakhs will be kept for Environment management.

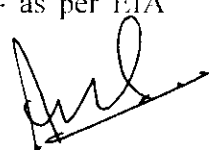
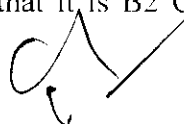
PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014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

The proposed annual excavation capacity as per Form I has been indicated as 2370 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Sadhu Bricks(Shri Vinod Kumar Sharma) at Vill.- Barkakana, District- Ramgarh , Jharkhand (1.01 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

VII. Brick Clay Mining for M/s Toto Bricks at Vill.- Kanchanpur, P.O.- Saraidih, District- Latehar, Jharkhand (2.01 Ha)

This is a Brick Clay Mining Project for having an area of 2.01 Ha [Plot No-196, 200 to 204, 206 (P), 207 & 208]. 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 102.19 Lakhs and a provision of Rs 10.08 Lakhs will be kept for Environment management.

*certificates
of distance*

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.

The proposed annual excavation capacity as per Form I has been indicated as 8040 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Toto Bricks at Vill.- Kanchanpur, P.O.- Saraidih, District- Latchar, Jharkhand (2.01 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

VIII. Brick Clay Mining for M/s Aarti Bricks (Sri Ravindra Nath Tripathy at Vill.- Semariyatand, P.O.- Latchar, District- Latchar, Jharkhand.(1.01 Ha)

This is a Brick Clay Mining Project for having an area of 1.01 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 73.35 Lakhs and a provision of Rs 9.17 Lakhs will be kept for Environment management.

*certificates
of distance*



PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.

The proposed annual excavation capacity as per Form I has been indicated as 4040 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Aarti Bricks (Sri Ravindra Nath Tripathy at Vill.- Semariyatand, P.O.- Latchar, District- Latchar, Jharkhand.(1.01 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

IX. Brick Clay Mining for M/s C.M.B Bricks at Vill.- Mouza - Kaitha, P.O.- Kaitha, P.S. & District- Ramgarh, Jharkhand (0.99 Ha)

This is a Brick Clay Mining Project for having an area of 0.99 Ha [Plot No- 68]. The committee noted that as per Form I it is a proposal for new project for which PP is seeking EC. Considering the fact that it is B2 Category of Project - as per EIA Notification dated 14.09.2006 the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EEMP is to be prepared in the instant case. These prescribed exemptions (Based on SEIAA guidelines and decision taken vide MOEF Notification dated 14.09.2006) are recommended by the Committee in the instant case.

The project was reviewed 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 1.80 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 3960 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s C.M.B Bricks at Vill.- Mouza - Kaitha, P.O.- Kaitha, P.S. & District- Ramgarh, Jharkhand (0.99 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

X. Brick Clay Mining for M/s Bhartiya Bricks at Vill Bend, P.O.- Chakuliya, District- East Singhbhum, Jharkhand.(1.93 Ha)

This is a Brick Clay Mining Project for having an area of 1.93 Ha [Plot No-1675 to 1679 & 1713 to 1716]. 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 80.00 Lakhs and a provision of Rs 4.00 Lakhs will be kept for Environment management.

*certificates
of distance*

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.

The proposed annual excavation capacity as per Form I has been indicated as 6000 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Bhartiya Bricks at Vill Bend, P.O.- Chakuliya, District- East Singhbhum, Jharkhand.(1.93 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XI. Brick Clay Mining for M/s King Bricks (Shri Sanjay Kumar) at Vill.-, Murgaghutu, P.O.- Narwa, District- East Singhbhum, Jharkhand. (0.916Ha)

This is a Brick Clay Mining Project for having an area of 0.916 Ha [Plot No-233,234 & 978]. The committee noted that as per Form I it is a proposal for renewal 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 44.64 Lakhs and a provision of Rs 1.15 Lakhs will be kept for Environment management.

*certificates
of distance*

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.



The proposed annual excavation capacity as per Form I has been indicated as 1832 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s King Bricks (Shri Sanjay Kumar) at Vill.- Murgaghutu, P.O.- Narwa, District- East Singhbhum, Jharkhand (0.916Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XII. Brick Clay Mining of M/s Baba Bricks at Vill.- Masmohana, P.O.- Barkakana, District- Ramgarh Jharkhand (0.85 Ha.)

This is a Brick Clay Mining Project for having an area of 0.85 Ha [Plot No- 177 & 178]. 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 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 Baba Bricks at Vill.- Masmohana, P.O.- Barkakana, District- Ramgarh, Jharkhand (0.85 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XIII. Brick Clay Mining for M/s Jai Shree Gaur Hari Bricks at Vill.- Ubchuria, P.O.- Poddardih, District- Dhanbad , Jharkhand. (1.00 Ha)

This is a Brick Clay Mining Project for having an area of 1.00 Ha [Plot No-3684,3686, 3689, 3690 & 3691]. 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. I-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 3.50 Lakhs will be kept for Environment management.

*Certificates
of distance*

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. 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 for M/s Jai Shree Gaur Hari Bricks at Vill.-Ubchuria, P.O.- Poddardih, District- 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 V.

XIV. Brick Clay Mining for M/s Maa Bricks (Shri Binod Kumar Singh) at Vill.-Dayabans Pahar, P.O.-Brahmandiha, District-Dhanbad, Jharkhand (0.404 Ha)

This is a Brick Clay Mining Project for having an area of 0.404 Ha [Plot No- 761]. 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. I-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 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 for M/s Maa Bricks (Shri Binod Kumar Singh) at Vill.-Dayabans Pahar, P.O.-Brahmandiha, District-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 V.

XV. Brick Clay Mining for M/s N.L.T Bricks (Shri Nand Lal Tiwary) at Vill -Sidhabad, P.O.-Brahmandiha, District-Dhanbad, Jharkhand (0.67 Ha).

This is a Brick Clay Mining Project for having an area of 0.67 Ha [Plot No- 41]. 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 1.55 Lakhs will be kept for Environment management.

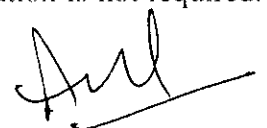
PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014 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 N.L.T Bricks (Shri Nand Lal Tiwary) at Vill -Sidhabad, P.O.- Brahmandiha, District-Dhanbad, Jharkhand (0.67 Ha). be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XVI. Brick Clay Mining for M/s Kalyanpur Bricks Manufactures at Vill.-Dayabans Pahar, P.O.-Brahmandiha, District- Dhanbad (1.00 Ha)

This is a Brick Clay Mining Project for having an area of 1.00 Ha [Plot No- 61 to 68, 76 & 77]. 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 58.00 Lakhs and a provision of Rs 1.19 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 1585 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Kalyanpur Bricks Manufactures at Vill.-Dayabans Pahar, P.O.-Brahandiha, District- Dhanbad (1.00 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XVII. Brick Clay Mining for M/s Ganpati Bricks Industries at Vill. & P.O.-Kalyanpur, District-Dhanbad, Jharkhand (0.514 Ha)

This is a Brick Clay Mining Project for having an area of 0.514 Ha [Plot No- 943 & 944]. 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 1.42 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 Ganpati Bricks Industries at Vill. & P.O.- Kalyanpur, District- Dhanbad, Jharkhand (0.514 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XVIII. Brick Clay Mining for M/s ATM Bricks at Mouza- Chhota Pichari, P.O.- Kalyanpur, P.S.- Govindpur, District- Dhanbad, Jharkhand (0.56 Ha)

This is a Brick Clay Mining Project for having an area of 0.56 Ha [Plot No- 53 & 54]. 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. I-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 2.10 Lakhs will be kept for Environment management.

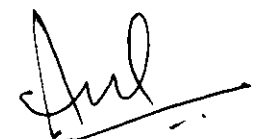
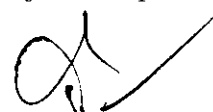
PP has submitted certificates for the information as required under SEIAA guidelines. The same were examined and found to be satisfactory. In few cases, (in this case also) affidavits with regard to distance from forest have been accepted based on decision taken by SEIAA in its 22nd Meeting held on 04/08/2014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

The proposed annual excavation capacity as per Form I has been indicated as 2500 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s ATM Bricks at Mouza- Chhota Pichari, P.O.- Kalyanpur, P.S.-Govindpur, District-Dhanbad, Jharkhand (0.56 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XIX. Brick Clay Mining for M/s Maa Vaishno Devi Bricks (Shri Ranjeet Kumar Upadhayay) at Village- Brahmandiha, P.S.- Topchanchi, District- Dhanbad, Jharkhand. (0.404Ha)

This is a Brick Clay Mining Project for having an area of 0.404 Ha [Plot No- 1279 & 1317]. 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 36 Lakhs and a provision of Rs 1.09 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 Vaishno Devi Bricks (Shri Ranjeet Kumar Upadhayay) at Village- Brahmandiha, P.S.- Topchanchi, District- Dhanbad, Jharkhand. (0.404Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XX. Brick Clay Mining for M/s AKS Bricks (Shri Ajay Kishor Sahay) at Vill- Udaypur, P.O.- Kalyanpur District- Dhanbad, Jharkhand (0.842Ha)

This is a Brick Clay Mining Project for having an area of 0.842 Ha [Plot No- 345, 350, 352, 353, 358, 360, 404 & 414]. 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 1.70 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 AKS Bricks (Shri Ajay Kishor Sahay) at Vill- Udaypur, P.O.- Kalyanpur District- Dhanbad, Jharkhand (0.842Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XXI. Brick Clay Mining for M/s J.B.B Bricks at Mouza- Sinjo, P.O.- Manika, District- Latehar, Jharkhand (0.861 Ha).

This is a Brick Clay Mining Project for having an area of 0.861 Ha [Plot No-1007]. 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 73.35 Lakhs and a provision of Rs 6.67 Lakhs will be kept for Environment management.

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.

The proposed annual excavation capacity as per Form I has been indicated as 1584 m³. *certificates of distance*

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s J.B.B Bricks at Mouza- Sinjo, P.O.- Manika, District- Latehar, Jharkhand (0.861 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XXII. Brick Clay Mining for M/s Jamshedpur Bricks at Vill.- Barajuri, P.O.- Ghatsila, District- East Singhbhum, Jharkhand. (0.72 Ha)

This is a Brick Clay Mining Project for having an area of 0.72 Ha [Plot No-1776 & 1777]. The committee noted that as per Form I it is a proposal for renewal 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 36 Lakhs and a provision of Rs 1.80 Lakhs will be kept for Environment management.

*Certificates
of distance*

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory.

The proposed annual excavation capacity as per Form I has been indicated as 2880 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Jamshedpur Bricks at Vill.- Barajuri, P.O.- Ghatsila, District- East Singhbhum, Jharkhand. (0.72 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XXIII. Brick Clay Mining for M/s Durga Kali Bricks at Vill.- Kaitha Ramgarh, Dist- Ramgarh, Jharkhand (1.00 Ha)

This is a Brick Clay Mining Project for having an area of 1.00 Ha [Plot No- 1713]. 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 1.19 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 4000 m³.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining for M/s Durga Kali Bricks at Vill.- Kaitha Ramgarh, 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 V.

XXIV. Brick Clay Mining for M/s Sanjay Bricks at Vill.-Barajuri, P.O.- Ghatsila, Dist- East Singhbhum, Jharkhand. (1.0 Ha)

This is a Brick Clay Mining Project for having an area of 1.0 Ha [Plot No-1531, 1535 to 1538 & 1541]. The committee noted that as per Form I it is a proposal for renewal 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.

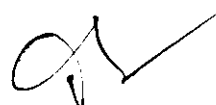
The project was reviewed in light of Office Memorandum No. L-11011/47/2011-IA.II(M), dated- 24th June, 2013 issued by MoEF and SEIAA guidelines with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic 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 71 Lakhs and a provision of Rs 4.5 Lakhs will be kept for Environment management.

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. The informations were examined and found to be satisfactory. *certificates & distance*
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 Sanjay Bricks at Vill.-Barajuri, P.O.- Ghatsila, Dist- East Singhbhum, Jharkhand (1.0 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

XXV. Brick Clay Mining of M/s S.B.I Bricks at Vill Govindadih, P.O.- Kalyanpur, P.S.- Rajganj, District- Dhanbad, Jharkhand (0.929 Ha)

This is a Brick Clay Mining Project for having an area of 0.929 Ha [Plot No-235 & 238]. 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 1.70 Lakhs will be kept for Environment management.

PP has submitted all information. PP has submitted certificates information as required under SEIAA guidelines. 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 S.B.I Bricks at Vill Govindadih, P.O.- Kalyanpur, P.S.- Rajganj, District- Dhanbad, Jharkhand (0.931 Ha) be recommended for consideration of SEIAA for grant of EC. The various conditions for grant of EC are given Annexure V.

Annexure V

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 MI. 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).



*Certificate
of distance*

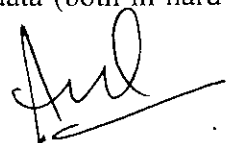
8. Appropriate fencing all around the borrowed / excavated pit shall be made to prevent any mishap.
9. Measures shall be taken to prevent dust emission by covering of borrowed / excavated earth during transportation.
10. Safeguards shall be adopted against health risks on account of breeding of vectors 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.

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.

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

1. Iron Ore Beneficiation Washing / Processing of M/s Shree Balaji Industrial Engineering Limited at Vill.- Basti Road, P.O- Barajamda, Dist.- West Singhbhum, Jharkhand.

M/s Shree Balaji Industrial Engineering Limited at present operates Sponge Iron Plant having 4x100 TPD Now they wish to add some more units as detailed below at Vill.- Basti Road, P.O- Barajamda, Dist.- West Singhbhum, Jharkhand. No extra land is required for the proposed expansion. (Existing: 12.84 Acres and Additional area: Nil). The latitude and longitude of the project site is 22° 10' 08" N and 85°25'44" E respectively. No Forest land is involved. No



national park/wild life sanctuary/ecologically sensitive area located within 10 km radius of the project site. The cost of the project is Rs. 480.00 Lakhs.

The status of existing and proposed expansion units are as given below:-

Existing Units :-

S. No.	Plant details	Capacity (TPD)
1.	Sponge Iron	4x100 TPD *

* Operational since 2005

Proposed Units

S. No.	Plant details	Capacity
1.	Iron Ore Beneficiation – cum – Washing	96000 TPA
2.	Induction Furnace Unit	1x6 T (For MS Ingot-19,800 TPA)

The project authorities along with their consultant M/s Visiontek Consultancy Services Pvt. Ltd., Bhubneswar 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 Executive summary of the project.
- 2 Photographs of the existing and proposed plant area.
- 3 A certified report of the status of compliance of the conditions stipulated in the environmental clearance and Consent to Operate for the existing units of the project from JSPCB.
- 4 Recent monitoring report which shall include data on AAQ, stack emission data, water quality, solid waste etc. shall be submitted.
- 5 Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, compliance to the notice(s).
- 6 A site location map on Indian map of 1:10, 00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 7 Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the

10Km radius area from proposed site. The same should be used for land used/land-cover mapping of the area.

- 8 Location of national parks / wildlife sanctuary / reserve forests within 10 km. radius should specifically be mentioned. A map showing land use/land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site.
- 9 Details and classification of total land (identified and acquired) should be included. Necessary documents indicating acquisition of land should be included.
- 10 Coordinates of the plant site with topo sheet co-ordinates should also be included.
- 11 A list of industries within 10 km radius of the plant area.
- 12 Residential colony should be located in upwind direction.
- 13 Action plan for the green belt development plan in 33 % area should be included.
- 14 Ecological status (Terrestrial and Aquatic) is vital. Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species and various issues addressed and included.
- 15 At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing proceedings and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.
- 16 Total capital cost and recurring cost/annum for environmental pollution control measures should also be included.
- 17 Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.

Process Related:

- 18 A line diagram / flow sheet for the process including existing units and EMP shall be submitted.
- 19 Project site layout plan showing raw materials and other storage plans, bore well or water storage, aquifers (within 1 km.) green areas, water bodies and rivers/drainage passing through the project site should be included.
- 20 List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant".
- 21 Mass balance for the raw material and products should be included.
- 22 Studies for slurry, sludge material and solid waste generated should also be included, if the raw materials used has trace elements and a management plan. Manufacturing process details for all the process units should be included.
- 23 Possibility of installation of WIIRB will be explored and details included.
- 24 Energy balance data for all the components should be incorporated.

Air Environment

- 25 Site-specific micro-meteorological data like temperature, relative humidity, hourly wind speed and direction, rainfall etc.



26 Ambient air quality at monitoring should be carried out adequately as per NAAQS 2009. Ambient air quality monitoring along with cumulative impact should be included for the day (24 hrs) for maximum GLC along with following:

- i. Emissions (g/second) with and without the air pollution control measures.
- ii. Meteorological inputs (wind speed, m/s), wind direction, ambient air temperature, cloud cover, relative humidity & mixing height using SODAR on hourly basis.
- iii. Model input options for terrain, plume rise, deposition etc.
- iv. Print-out of model input and output on hourly and daily average basis.
- v. A graph of daily averaged concentration (MGLC scenario) with downwind distance at every 500 m interval covering the exact location of GLC.
- vi. Details of air pollution control methods used with percentage efficiency that are used for emission rate estimation with respect to each pollutant.
- vii. Applicable air quality standards as per LULC covered in the study area and % contribution of the proposed plant to the applicable Air quality standard. In case of expansion project, the contribution should be inclusive of both existing and expanded capacity.
- viii. No. I-VII are to be repeated for fugitive emissions and any other source type relevant and used for industry.
- ix. Graphs of monthly average daily concentration with down-wind distance.
- x. Specify when and where the ambient air quality standards are exceeded either due to the proposed plant alone or when the plant contribution is added to the background air quality.

27 Fugitive dust protection or dust reduction technology for workers within 30 m of the plant active areas.

28 Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.

29 Air pollution control measures during charging of raw materials and during operation of the furnace shall be detailed.

30 Air Quality Impact Prediction based on CPCB/MoEF approved model(s) shall be presented.

31 Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.

32 An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008.

Water Environment

33 Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.

34 If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.

35 Ground water analysis at 8 locations with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.

36 'Permission' for the drawl of water should be obtained from concerned authorities. Water balance data must be provided.



- 37 Action plan for rainwater harvesting measures should be prepared and the same should be got duly approved from Ground Water Directorate, Government of Jharkhand .
- 38 Surface water quality at 8 locations must be ascertained.
- 39 If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1:10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.
- 40 Pre-treatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.

Solid Waste Management

- 1 Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly char/slag/tailings from all the sources should also be included.
- 2 Identification and details of land to be used for all type of char/slag/tailings disposal in the secured land fill as per CPCB guidelines should be included.
- 3 End use of solid waste/slag and its composition should be covered.
- 4 Toxicity should be assessed following standard leaching procedures particularly the Toxicity Characteristic Leachate Procedure (TCLP) test for the slag.

Safety and Health

- 41 Risk/Disaster Management needs to be provided.
- 42 Occupational Health:
 - a) Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
 - b) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analysed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
 - c) Annual report of health status of workers with special reference to Occupational Health and Safety.
 - d) Plan and fund allocation to ensure the occupational health & safety of all contract and sub-contract workers.
- 43 Corporate Environment Policy
 - I. 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.
 - II. 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.
 - III. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.



- IV. Does the company have 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.

44 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.

It was decided that 'TORs' prescribed by the State level Environment Impact Assessment Authority (SEIAA) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation should be provided. The final EIA report shall be submitted to the SEIAA for obtaining environmental clearance.

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. LPG Bottling Plant of M/s Hindustan Petroleum Corporation Limited at Adityapur Industrial Area, Large Sector, Vill- Gamharia, P.O- Gamharia, Dist.-East Singhbhum, Jharkhand.

The case is pertaining to storage and bottling of LPG hence is listed as SN 6 (b) of EIA Notification 2006 and is required to obtain prior EC under the provisions of EIA Notification. The additional storage capacity is proposed as 3 x 200 MT. The proposed project is an expansion of existing LPG storage from 100 mt (2x50 MT) by adding 3x200 MT and increasing the bottling capacity from 15600 TPA to 28000 TPA. LPG shall be brought in Bulk LPG Tanker. The plant is proposed at Adityapur Industrial Area, Large Sector, Vill- Gamharia, P.O- Gamharia, Dist.-East Singhbhum, Jharkhand which is located at a distance of 0.84 Km from Birajpur Railway Station. Sonari Airport is at a distance of 10.45 Km. It was informed that the additional units are to be installed in the existing area of 25.00 acres. PP along with consultant presented the salient feature of the projects and the location, which reveals that the industry



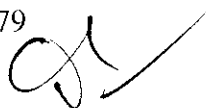
operation involves unloading of LPG coming through road tankers into bullets / mounted storage, filling of LPG into cylinders and distribution of the same through packed trucks. No additional water is required, which shall be obtained from existing ground water sources. After deliberations committee has approved the TOR to carry out EIA / EMP with inclusion of following points.

The project authorities along with their consultant M/s SV Enviro Labs & Consultants, Visakhapatnam 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. Executive summary of the project.
2. Project description and the project benefits. Process details along with the proposed allied facilities and design details of all the tanks with animated model. Layout plan with the provision of truck parking area earmarking of area for parking of Lorries at a remote location to avoid congestion. Details of the storage and technical specification with the safety aspects & standards.
3. 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.
4. 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.
5. 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.
6. 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.
7. Details of the Environment Management cell having qualified persons with proper background.
8. The study area will comprise of 10 km zone around the project.
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 project area should be prepared to encompass Pre-operational and operational phases and submitted.
11. High Resolution Satellite Imagery of the proposed area clearly showing the land use and other ecological features of the study area should be furnished.
12. 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,

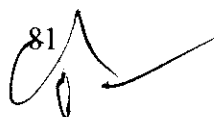


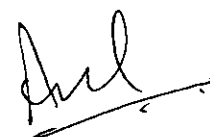
the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13. 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.
14. 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.
15. 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.
16. The vegetation in the RF / PF area with necessary details should be given.
17. A study shall be got done to ascertain the impact of the project on wildlife of the area.
18. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves (existing as well as proposed), if any, within 10 km of the project should be clearly indicated 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.
19. A detailed biological study for the study area shall be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on 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.
20. Impact, if any, of change of land use should be given.
21. Proposal for safety buffer zone around the proposed site with map.
22. List of Industries within 10km radius of the project.
23. 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.
24. Collection of one season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna. Site-specific meteorological data should also be collected. The location of the monitoring stations should be justified. Date wise collected baseline AAQ data should form part of EIA and EMP report. The mineralogical composition of RSPM / SPM particularly for free silica should be given. There should be at least one monitoring station within 500 m of the project in the pre-dominant downwind direction. The mineralogical composition of PM10 particularly for free silica should be given.
25. Collection of one complete season (non-monsoon) primary base line data (along-with dates of monitoring) on environmental quality such as air (PM₁₀, PM_{2.5}, SO_x & NO_x), noise, water (surface and ground water), soil, climatology & meteorology. Background levels of hydrocarbons (methane & non-methane HC) and VOCs should also be collected.



26. The monitoring should be conducted as per Central Pollution Control Board's guidelines and parameters for water testing for both ground water as per relevant guidelines.
27. Surface water ground water, soil, noise and ambient air quality be monitored at least at eight stations /locations around the proposed site. At least one monitoring station in the upwind / downstream / non-impact non polluting area as a control station.
28. Air quality modelling 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 LPG. The details of the model used and input parameters used for modelling 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. 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.
33. 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.
34. 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.
35. Details of rainwater harvesting in the project should be provided. The same should be got approved from Ground Water Directorate Government of Jharkhand / Central Ground Water Board / Authority.
36. Quantity of solid waste generation to be estimated and details for its disposal and management should be provided. Plan for disposal of Oily and Hazardous waste should be included and quantities indicated.
37. Mode of transport of LPG to and from the plant, risk analysis during transportation and safety measures thereby. 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.
38. Details of the infrastructure facilities to be provided for the workers should be included in the EIA report.
39. Phase-wise plan of greenbelt development, plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given.
40. Occupational health impact of project should be anticipated and preventive measures initiated. Details of proposed Occupational Health Surveillance program for the employees and other labour should be provided. Details of pre placement medical examination and periodical medical examination schedules should be incorporated in the EMP.

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41. Public health implication of the project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocation.
42. Measures of socio economic significance and influence to the local community proposed to be provided by project proponent should be indicated. As far as possible, quantitative dimensions may be given with time frame for implementation.
43. Detailed environmental management plan to mitigate the environmental impacts which, should inter-alia also include the impact due to change of land use, due to loss of agricultural land and grazing land, if any, occupational health impacts besides other impacts of the projects. The EMP shall also include
 - o Details and frequency of the Mock Drills.
 - o Details of Instillation of peizometric holes to monitor the ground water quality after commissioning of Plant.
 - o Detailed solid waste generation, collection, segregation its recycling and reuse, treatment and disposal.
 - o Assessment of impact on air, water, soil, solid/hazardous waste and noise levels.
 - o Plan for fire fighting facility as per OISD117 norms
 - o Details of proposed preventive measures for leakages and accident.
 - o Details of Vapour Recovery System.
44. Risk Assessment & Disaster Management Plan
 - i. Identification of hazards
 - ii. Consequence Analysis
 - iii. Preventive measures
 - iv. Risk assessment should also include leakages during storage handling transportation and proposed measures for risk reduction
 - v. Fire and explosion hazard.
45. Risk Assessment should also include follow up/compliance to safety & hazardous material management facilities possibility of fire and explosion accident, Risk assessment for accidents at site and its impact on adjoining area risk, mitigation measures disaster management plan on site & offsite emergency plan.
46. A separate chapter on Onsite and off site emergency plan as approved by the Health & Safety department along with Rapid risk analyses report of the plant is to be conducted and included in the EIA / EMP Report.
47. 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.
48. Details of litigation pending against the project, if any, with direction / order passed by any Court of Law against the project should be given.
49. The EIA-EMP report covering the impacts and management plan for the project specific activities on the environment of the region and the environmental quality- all water, noise, land, biotic community through collection of data and Information, generation of data on impacts for a rated capacity.
50. 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.
51. Detailed EMP to mitigate the adverse impacts due to project along-with item wise cost of its implementation (capital and recurring.)

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

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

3. Stone Boulder Mine of M/s Trustline Mining & Minerals at Vill.- Kadajamuda, P.O. - Noamundi, District- West Singhbhum, Jharkhand.(18.93 Ha)

This is a Stone Mining Project for having an area of 18.93 Ha [Plot No- 76, 77, 92, 108, 434, 436, 440, 446, 449, 459 & 670] . The committee noted that as per Form I it is a proposal for new project for which PP is seeking TOR. The proposed annual production capacity as per Pre Feasibility Report has been indicated as 16,06,314 tonne per annum (average). The indicated project cost is Rs. 5.00 Crores.

PP has submitted certificates from Circle Officer and DFO.

The project authorities along with their consultant M/s ENV DAS India Pvt. Ltd., Lucknow 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, environmental management plans 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 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 / Central Ground Water Board / Authority.
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:-

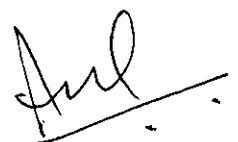
- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period 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.II. process) will entail conducting the PH process again with the revised documentation.

The EIA report should also include

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

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

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.



4. Cluster Mines Datebera Stone Deposit (2.02 Ha) & (3.03 Ha)

I. Cluster Mines Datebera Stone Deposit of M/s Veer Birsa Minerals at Vill- Datebera, P.S.- Ghatsilla, District- East Singhbhum, Jharkhand (3.03 Ha) + (2.02 Ha) = 5.05 Ha.

There are two Stone Mining Projects ^{one} having an area of 3.03 Ha and another land area of 2.02 Ha total 5.05 Ha. Both the mines fall under Khata No. 125. The committee noted that as per Form I it is a proposal for new project.

Salient features of cluster are

	Datebera (3.03 Ha)	Datebera (2.02 Ha)	Total
Area	3.03 Ha	2.02 Ha	5.05 Ha
Project Cost	74.00 Lakhs	70.00 Lakhs	144.00 Lakhs
Env. Budget	2.5 Lakhs	2.2 Lakhs	4.7 Lakhs
Average annual production	1,95,229 t	1,48,834 t	3,44,063 t

PP has submitted certificates from Circle Officer, DFO & DMO.

The project authorities along with their consultant M/s Ascenso Management and Consulting Services Pvt. 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, environmental management 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. Mine Plan should be prepared learning a minimum distance of 250 m from the forest boundary.
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 (both flora & fauna) 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 and indicated separately. The budget for Elephant conservation if applicable be kept appropriately and indicated.
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 / Central Ground Water Board / Authority.



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 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)



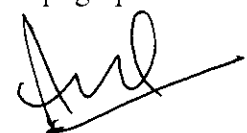
- c. Authenticated English translation of all material in Regional languages should be provided.
 - d. The letter/application for environmental clearance should quote the SEIAA, Jharkhand file No. and also attach a copy of the letter.
 - e. Site related monitoring shall be carried out for 3 months in 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.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.
46. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.

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

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

The EIA report should also include

1. surface plan of the area indicating Contours of main topographic features, drainage and mining area,

2. geological maps and sections and
3. sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

The prescribed TORs would be valid for a period of two years for submission of the EIA / EMP reports, as per the O.M. No. J-11013/41/2000-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.

5. Cluster Mines Juri Pahari Stone Mine (2.83 Ha) & Sonaposh and Datbera Stone Mine (7.40 Ha)

I. Juri Pahari Stone Mine of M/s Global Resources company at Vill.- Juri Pahari, P.S.- Ghatsilla, Dist.- East Singhbhum, Jharkhand(2.83 Ha).

This is a Stone Mining Project for having an area of 2.83 Ha [Plot No- 01] . The committee noted that as per Form I it is a proposal for existing project.

II. Sonaposh and Datbera Stone Mine of M/s Global Resources company at Vill.-Sonaposh and Datbera, P.S.- Ghatsilla, Dist.- East Singhbhum, Jharkhand.(7.40 Ha)

This is a Stone Mining Project for having an area of 7.40 Ha [Plot No- 01,09.22 & 484] . The committee noted that as per Form I it is a proposal for existing project.


Salient Features of the clusters are as follows.

	Juri Pahari	Sonaposh and Datbera	Total
Area	2.83 Ha	7.40 Ha	10.23 Ha
Project Cost	35.00 Lakhs	70.00 Lakhs	105.00 Lakhs
Env. Budget	2.5 Lakhs	-	2.5 Lakhs
annual production	3,00,000 t	3,00,000 t	6,00,000 t

The total Area to the cluster is 2.83 Ha + 7.40 Ha = 10.23 Ha

The project authorities along with their consultant M/s Ascenso Management and Consulting Services Pvt. 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.

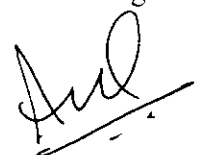
The TORs prescribed for undertaking detailed EIA study are as follows:

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.
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.

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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 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.



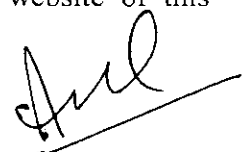
43. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
44. Details of litigation pending against the project, if any, with direction / 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 PII 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 22.8.2014.

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

Details of project will be covered in detailed MOM.

The PP was asked to submit following additional information:-

1. Details of Scheme Rain Water Harvesting.
2. Details of Flora Fauna duly certified.
3. Wild Life Conservation Plan

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

2. Chorganwa Stone Mines at Village- Chorganwa, P.S. -Mahuatand, District- Bokaro, Jharkhand(0.486 Ha.)

Details of project will be covered in detailed MOM.

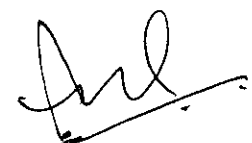
The PP submitted certificate from CO, DFO and DMO but the following additional information is also required to be submitted :-

1. Details of CSR activities and Plantation carried out alongwith Photographs.
2. Green Belt developed in Mine area / other area.
3. Details of Flora / Fauna in and around the project site along with conservation scheme.
4. Undertaking from the Board / Management that there will not be any violation in future.

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

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

Details of project will be covered in detailed MOM.



The PP submitted certificate from CO and DMO but PP was also asked to submit certificate from DFO.

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

4. Kolhaiya Stone Mine of Shri Arjunn Prasad Gupta & Shri Arun Kumar Singh at Mouza- Kolhaiya, Block- Hariharganj, Dist.- Palamu, Jharkhand. (0.607 Ha)

Details of project will be covered in detailed MOM.

The PP submitted certificate from CO and DMO but PP was also asked to submit certificate from DFO & DMO regarding contiguous patch.

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

5. Bardag Stone Mine of Shri Praveen Kumar Agarwal at Mouza- Bardag, Thana & Block- Hariharganj, Dist.- Palamu, Jharkhand. (4.89 Ha).

Details of project will be covered in detailed MOM.

The PP submitted certificate from CO but the following additional information is also required to be submitted :-

1. Certificate from DFO.
2. Certificate from DMO regarding contiguous patch.
3. Green Belt developed in Mine area / other area.

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

6. Adar Stone Quarry of M/s Basudeo Mahto at Vill.- Adar, Tehsil- Padma, District- Hazaribagh, Jharkhand. (0.81 Ha)

Details of project will be covered in detailed MOM.

The PP submitted certificate from CO and DMO. PP was asked to certificate from DFO regarding the distance from the forest land required. Clarification for Wild Life Sanctuary 1 KM also required.

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

7. Proposal related to Stone Mine (same information)

1. Stone Mine of Mr. Raj Kumar Pathak at Vill.- Mednisar, Tehsil- Mednisar, District- Giridih , Jharkhand (0.8741 Ha).
2. Stone Mine of Mr. Santosh Kumar Munshi at Vill.- Gendanawadih, P.S.- Topchanchi, District- Dhanbad ,Jharkhand.(1.214 Ha)
3. Stone Mine of Mr. Bamapada Auddy at Vill.- Saldaha, Block- Baghmara, District- Dhanbad, Jharkhand (0.4047 Ha)
4. M/s Nityanand Yadav Stone Mine at Vill.- Salpatra, Block- Fatehpur, District – Jamtara, Jharkhand. (1.639 Ha)
5. Stone Mine of M/s Janta Stone Works at Vill- Ledatand, P.S.- Topchachi, District Dhanbad, Jharkhand. (0.708 Ha)

Details of project will be covered in detailed MOM.

The PP submitted certificate from CO, DFO and DMO but the following additional information is also required to be submitted :-

1. Detail of Rain Water Harvesting.
2. Details of CSR activities and Plantation carried out alongwith Photographs.



3. Green Belt developed in Mine area / other area.
4. Details of Flora / Fauna in and around the project site along with conservation scheme.

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

7. Rajhara Opencast Project of M/s CCL at Vill- Rajhara & Pandwa, Tehsil- Pandawa & Bistrampur, District- Palamu, Jharkhand (149.38Ha)

Details of project will be covered in detailed MOM.

The PP was asked to submit following additional information:-

1. Revised Form-I & Pre Feasibility Report
2. Location of forest patches in the Buffer Zone to be provided from DFO.
3. All statutory clearances and application made to statutory body like JSPCB, DGMS, Mines Department etc.
4. The study area should depict the features within 5 KM & 10 KM zone.
5. Details of Socio Economic Plan.
6. Minimum 02 Environmental Air Monitoring Stations in Core zone & 6 in Buffer Zone to be fixed.

This is an very old mine which was operated as underground mine. In order to assess the site condition and to specify site related ToR's a site visit is proposed. It is suggested that Shri SBS Chauhan, Shri RPS Sangu and Dr. M.C. Mahata will visit the site.

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

8. Magnetite Iron Ore Beneficiation Plant of M/s Radhika Enterprises at Mouza- Hiramili, P.O.-Chandil, Tehsil- Chandil, District- Sariakele-Kharsawan, Jharkhand.

Details of project will be covered in detailed MOM.

The PP was asked to submit following additional information:-

1. Revised Form-I
2. Environmental Sensitive Form needs to be revised.
3. Input material analysis & proposed storage disposal.
4. Expected characteristics of Raw effluent and final outlet effluent and details of effluent disposal site.


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

9. Expansion of Coke Oven Plant of M/s Amit Coke Industries at Vill- Gahira, Block- Govindpur, District- Dhanbad, Jharkhand.

The PP could not clarify certain environmental issuing related to the coke ovens. It was decided that a site visit will be necessary to prescribed site related specific condition in ToR. It is suggested that Shri SBS Chauhan 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. M/s Okhargara Stone Mines of Mr. Sunil Kumar Sharma at Vill.- Okhargara, Tehsil- Meral, Dist.- Garhwa, Jharkhand (0.50 Ha)
2. M/s Bhalki Quartzite Stone Mines of Mr. Varun Kumar at Vill.- Bhalki, Tehsil- Dalbhumgarh, Dist.- East Singhbhum, Jharkhand (0.186 Ha)
3. Vindhwasni Stone Mine of Shri Mukesh Kumar Singh
4. Dumerbera-Poradih Stone Mine of M/s East Coast Mining Pvt Ltd.



5. Kathwan Granite Mine of M/s Ramesh Kumar

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

1. Brick Clay Mining for M/s Sanjay Bricks Product at Vill.- Kharsati, P.O.+P.S- Ghatsila, Dist-East Singhbhum, Jharkhand (0.98 Ha)
2. Stone Mine at Dhab Salonia at Vill.- Dhab Salonia, P.O.- Dhab, Thana - Chuaparan, District- Haziribagh , Jharkhand (1.24 Acre)
3. Stone Quarry at Churchu at Vill.- Churchu, P.O.- Ichak, Thana- Sadar, District- Hazaribagh, Jharkhand.(1.02 Acre.)

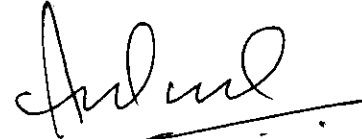
The next meeting shall be held from 15th to 17th December 2014

The meeting concluded with thanks to all present.



(Mahendra Mahto)

Secretary



(A K Saxena)

Chairman