

PART- B MINUTES OF THE 33rd MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 10th to 15th SEPTEMBER, 2015

The 33rd meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 10th to 15th September, 2015 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C, Ashok Nagar, Ranchi. The following members were present:

1. Sh. A.K. Saxena - Chairman
2. Sh. S.B.S Chauhan - Member
3. Er. S.K. Singh - Member
4. Dr. R.P. Singh Sangu - Member
5. Prof. (Dr.) M.C. Mahata - Member
6. Dr. Shatrunjay Kumar Singh - Member (Partly attended from 10th to 14th)
7. Shri S.K. Suman - Secretary

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

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

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

1. Proposals related to Sand Mine

I. Nuadih & Hardala Sand Mine Project of M/S The Adibasi Welfare Society at Village- Nuadih & Hardala, Thana- Saraikela, Dist.- Saraikela-Kharsawan, Jharkhand (20.56 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 20.56 Ha [Plot No.- 528 (P), 529 & 1002 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 2510, dated- 25.07.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining



road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 2.30 Crores and a provision of Rs 5.82 Lakh has been indicated for Environment management.

The proposal is for mine lease having two blocks. The area of Nuadih- 18.26 Ha & Hardala- 2.30 Ha and the distance between the two blocks as informed during presentation is 400 m. Individual approved mine plans for all two blocks have been submitted.

The proposed estimated reserve is (Nuadih – 4,66,460 cum & Haradala – 53,244 cum) and total annual production capacity as per Form I has been indicated as 5,09,055 cum per annum (Nuadih- 4,66,460 cum per annum & Haradala- 42, 595 cum per annum).

PP has submitted certificates from DMO & DFO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Nuadih & Hardala Sand Mine Project of M/S The Adibasi Welfare Society at Village- Nuadih & Hardala, Thana- Saraikela, Dist.- Saraikela-Kharsawan, Jharkhand (20.56 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

II. Nawadih Sand Mining Project of Sri Adhiklal Yadav at Village- Nawadih, Thana- Sarwan, Dist.- Deoghar, Jharkhand (1.01 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 1.01 Ha [Khata No.- 16, Plot No.- 1 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1067, dated- 26.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 35.00 Lakhs and a provision of Rs 2.22 Lakh has been indicated for Environment management.

The proposed estimated reserve is 27,440 cum and annual production capacity as per Form I has been indicated as 21,952 cum per annum.

PP has submitted certificates from DMO & DFO. PP has submitted Affidavit that there is no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Nawadih Sand Mining Project of Sri Adhiklal Yadav at Village- Nawadih, Thana- Sarwan, Dist.- Deoghar, Jharkhand (1.01 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

III. Rauta Sand Mining Project of M/S Shan Technobilt Pvt. Ltd of Shri Jitendra Singh at Village- Rauta, Panchayat- Sweta, P.O.- Sweta, Mandu, Dist. Ramgarh, Jharkhand (1.42 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 1.42 Ha [Khata No.- 2, Plot No.- 403 & 337]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 852, dated- 11.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 40.00 Lakhs and a provision of Rs 0.80 Lakh has been indicated for Environment management.

The proposed estimated reserve is 44,019 cum and annual production capacity as per Form I has been indicated as 35,215 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavits that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Rauta Sand Mining Project of M/S Shan Technobilt Pvt. Ltd of Shri Jitendra



Singh at Village- Rauta, Panchayat- Sweta, P.O.- Sweta, Mandu, Dist. Ramgarh, Jharkhand (1.42 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

IV. Birdhawar & Kolhua Sand Mining Project on Koel River of Shri Upendra Singh at Village- Birdhawar & Kolhua, Thana- Mohammadganj, Dist.- Palamu, Jharkhand (Birdhawar- 2.02 Ha +Kolhua- 0.809 Ha = 2.829 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area (covering both blocks) of 2.829 Ha [Plot No.- 1]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 394, dated- 26.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 60.00 Lakhs and a provision of Rs 4.81 Lakh has been indicated for Environment management.

The proposal is for mine lease having two blocks. The area of Birdhawar- 2.02 Ha & Kolhua- 0.809 Ha and the distance between the two blocks as informed during presentation is 250 m. Individual approved mine plans for all two blocks have been submitted.

The proposed estimated reserve is (Birdhawar – 56,318 cum & Kolhua – 22,798 cum) and total annual production capacity as per Form I has been indicated as 63,292 cum per annum (Birdhawar- 45,054 cum per annum & Kolhua- 18, 238 cum per annum).

PP has submitted certificates from DMO. PP has submitted Affidavits that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Birdhawar & Kolhua Sand Mining Project on Koel River of Shri Upendra Singh at Village- Birdhawar & Kolhua, Thana- Mohammadganj, Dist.- Palamu, Jharkhand (Birdhawar- 2.02 Ha + 0.809 = 2.829 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

V. Govindpur Sand Mining Project of Shri Manoj Kumar at Village- Govindpur, Thana- Karra, Dist.- Khunti, Jharkhand (9.35 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 9.35 Ha [Khata No.- 198, Block-A Plot No.- 100, Block-B Plot No.- 334]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 313, dated- 17.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 1.40 Crore and a provision of Rs 4.31 Lakh has been indicated for Environment management.

The proposed estimated reserve is 1,39,878 cum (Block-A- 93,528 cum & Block- B- 46,350 cum) and annual production capacity as per Form I has been indicated as 1,11,902 cum per annum.

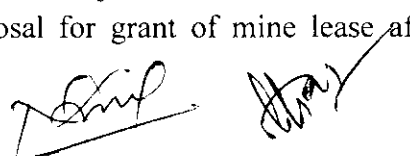
PP has submitted certificates from DMO. PP has submitted Affidavits that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Govindpur Sand Mining Project of Shri Manoj Kumar at Village- Govindpur, Thana- Karra, Dist.- Khunti, Jharkhand (9.35 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

VI. Dhabkhurd & Bijnibar Sand Mining Project of Sri Upendra Singh at Village- Dhabkhurd & Bijnibar, Thana- Hariharganj, Dist.- Palamu, Jharkhand (0.809 Ha+0.404 Ha = 1.213 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 1.213 Ha [Dhabkhurd Khata No.- 11, Plot No.- 130, Bijnibar Khata No.- 23, Plot No.- 1]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 396, dated-



26.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 30.00 Lakhs and a provision of Rs 1.12 Lakh has been indicated for Environment management.

The proposal is for mine lease having two blocks. The area of Dhabkhurd- 0.809 Ha & Bijnibar- 0.404 Ha and the distance between the two blocks as informed during presentation is 1.23 km. Individual approved mine plans for all two blocks have been submitted.

The proposed estimated reserve is (Dhabkhurd – 19,950 cum & Bijnibar – 8526 cum) and total annual production capacity as per Form I has been indicated as 24,486 cum per annum (Dhabkhurd- 15,960 cum per annum & Bijnibar- 8526 cum per annum).

PP has submitted certificates from DMO. PP has submitted Affidavits that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Dhabkhurd & Bijnibar Sand Mining Project of Sri Upendra Singh at Village- Dhabkhurd & Bijnibar, Thana- Hariharganj, Dist.- Palamu, Jharkhand (0.809 Ha+0.404 Ha = 1.213 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

VII. Korakel Sand Mining Project of M/s Unith Kumar Kashyap at Village- Korakel & Gurmi, Panchyat- Korakel, Thana- Murhu, Dist.- Ranchi, Jharkhand (12.06 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 12.06 Ha [Plot No.- 1840]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 312, dated- 17.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be

prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 2.10 Crore and a provision of Rs 4.57 Lakh has been indicated for Environment management.

The proposed estimated reserve is 1,81,244 cum and annual production capacity as per Form I has been indicated as 1,44,995 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

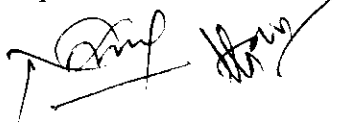
Based on the presentation made and information provided the Committee decided that the proposal for Korakel Sand Mining Project of M/s Unith Kumar Kashyap at Village- Korakel & Gurmi, Panchyat- Korakel, Thana- Murhu, Dist.- Ranchi, Jharkhand (12.06 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

VIII. Kudri Sand Mining Project on Chhata River of Sri Unith Kumar Kashyap at Village- Kudri, Thana- Torpa, Anchal- Balkuli, Dist.- Khunti, Jharkhand (1.21 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 1.21 Ha [Plot No.- 1611 & 790 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 502, dated- 06.08.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 Lakh and a provision of Rs 3.05 Lakh has been indicated for Environment management.

The proposed estimated reserve is 27,812 cum and annual production capacity as per Form I has been indicated as 25,766 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Kudri Sand Mining Project on Chhata River of Sri Unith Kumar Kashyap at Village- Kudri, Thana- Torpa, Anchal- Balkuli, Dist.- Khunti, Jharkhand (1.21 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

IX. Mahuatola Sand Mining Project of Sri Praveen Kumar at Mouza- Tokisud, Thana- Patratu, Dist.- Ramgarh, Jharkhand (4.45 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 4.45 Ha [Khata No.- 64, Plot No.- 159]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1090, dated- 25.07.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 60.00 Lakh and a provision of Rs 4.45 Lakh has been indicated for Environment management.

The proposed estimated reserve is 1,32,675 cum and annual production capacity as per Form I has been indicated as 1,06,140 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Mahuatola Sand Mining Project of Sri Praveen Kumar at Mouza- Tokisud, Thana- Patratu, Dist.- Ramgarh, Jharkhand (4.45 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

X. Dewrikala Sand Mining Project of Shri Upendra Singh at Village- Dewrikala, Thana- Hussainabad, Dist.- Palamu, Jharkhand (2.02 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen

This is a Sand Mining Project for having an area of 2.02 Ha [Khata No.- 79, Plot No.- 622 (P)]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 395, dated- 26.06.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 50.00 Lakh and a provision of Rs 1.35 Lakh has been indicated for Environment management.

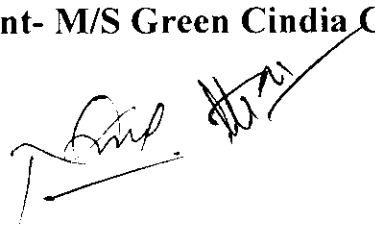
The proposed estimated reserve is 58,403 cum and annual production capacity as per Form I has been indicated as 46,722 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Dewrikala Sand Mining Project of Shri Upendra Singh at Village- Dewrikala, Thana- Hussainabad, Dist.- Palamu, Jharkhand (2.02 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

XI. Amma Sand Mining Project of Sri Manoj Kumar at Village- Amma, P.O.- Amma Pakhna, Thana- Torpa, Dist.- Khunti, Jharkhand (11.98 Ha).

Consultant- M/S Green Cindia Consulting Pvt Ltd, Ghaziabad, RQP- Sri P.K. Sen



This is a Sand Mining Project for having an area of 11.98 Ha [Plot No.- 1250 & 3403]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 501, dated- 06.08.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 1.60 Crore and a provision of Rs 7.35 Lakh has been indicated for Environment management.

The proposed estimated reserve is 2,75,745 cum and annual production capacity as per Form I has been indicated as 1,81,045 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Amma Sand Mining Project of Sri Manoj Kumar at Village- Amma, P.O.- Amma Pakhna, Thana- Torpa, Dist.- Khunti, Jharkhand (11.98 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

XII. Chhapar Balu Ghat over Devnad River of Sri Brahamdev Prasad at Village- Chhapar, Anchal- Burmu, Dist.- Ranchi, Jharkhand (4.17 Ha).

Consultant- M/S ASQUARE, Ranchi, RQP- Sri Chinmoy Dey

This is a Sand Mining Project for having an area of 4.17 Ha [Plot No.- 1087, 1 & 1257]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1161, dated- 14.07.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 with respect to proposed Mining Scheme, Environmental protection measures proposed to be adopted, proposal for carrying out

CSR activities for socio-economic development, development of green belt, due consideration of occupational health, etc. In view of the size of the pit, production rate and the mineral mined and the assurance given by PP that he will give due consideration to environment by maintaining road from pit to kiln and water sprinkling on same, carrying out CSR activities for socio-economic development, development of green belt, due consideration of occupational health of persons engaged in mining. The committee felt that the operation of the mine will have not have any major impact on the surroundings. The indicated project cost is Rs 2.17 Crores (revised) and a provision of Rs 11.00 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 1,23,480 cum and annual production capacity as per Form I has been indicated as 515 cum per day and as per mine plan is 1,23,480 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Chhapar Balu Ghat over Devnad River of Sri Brahamdev Prasad at Village- Chhapar, Anchal- Burmu, Dist.- Ranchi, Jharkhand (4.17 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

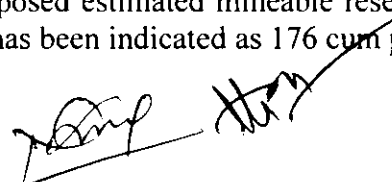
XIII. Lundri Balu Ghat over Jaleshwar River of Sri Rakesh Kumar Gupta at Village- Lundri, Anchal- Chanho, Dist.- Ranchi, Jharkhand (1.41 Ha).

Consultant- M/S ASQUARE, Ranchi, RQP- Sri Chinmoy Dey

This is a Sand Mining Project for having an area of 1.41 Ha [Plot No.- 3244]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1161, dated- 14.07.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 40.97 Lakhs (revised) and a provision of Rs 4.00 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 42,450 cum and annual production capacity as per Form I has been indicated as 176 cum per day and as per mine plan is 42,450 cum per annum.



PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Lundri Balu Ghat over Jaleshwar River of Sri Rakesh Kumar Gupta at Village- Lundri, Anchal- Chanho, Dist.- Ranchi, Jharkhand (1.41 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

XIV. Barhe Balu Ghat over Koel River of Sri Rakesh Kumar Gupta at Village- Barhe, Anchal- Chanho, Dist.- Ranchi, Jharkhand (1.61 Ha).

Consultant- M/S ASQUARE, Ranchi, RQP- Sri Chinmoy Dey

This is a Sand Mining Project for having an area of 1.61 Ha [Plot No.- 1373]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1161, dated- 14.07.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 40.97 Lakhs (revised) and a provision of Rs 3.65 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 48,375 cum and annual production capacity as per Form I has been indicated as 68 cum per day and as per mine plan is 48,375 cum per annum.

PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Barhe Balu Ghat over Koel River of Sri Rakesh Kumar Gupta at Village- Barhe, Anchal- Chanho, Dist.- Ranchi, Jharkhand (1.61 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

XV. Bejang Balu Ghat over Koel River of Sri Rakesh Kumar Gupta at Village- Bejang, Anchal, Chanho, Dist.- Ranchi, Jharkhand (1.45 Ha).

Consultant- M/S ASQUARE, Ranchi, RQP- Sri Chinmoy Dey

This is a Sand Mining Project for having an area of 1.45 Ha [Plot No.- 961]. The committee noted that as per Form I it is a proposal for grant of mine lease after auction vide DMO's allotment letter no.- 1165, dated- 14.07.2015 for which PP is seeking EC. Considering the fact that it is B2 Category Project - as per EIA Notification dated 14.09.2006 and subsequently notification office order the environmental impact assessment as well as Public Consultation is not required. The committee felt that TOR is not required, nor any formal EIA/EMP is to be prepared in the instant case. These prescribed exemptions are recommended by the Committee in the instant case.

The project was reviewed in light of OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 by MoEF and SEIAA guidelines dated 07.05.2013 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 45.75 Lakhs (revised) and a provision of Rs 4.00 Lakh (revised) has been indicated for Environment management.

The proposed estimated mineable reserve is 43,470 cum and annual production capacity as per Form I has been indicated as 249 cum per day and as per mine plan is 43,470 cum per annum.

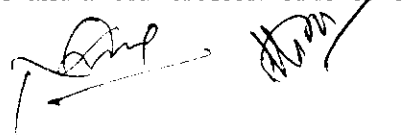
PP has submitted certificates from DMO. PP has submitted Affidavit that there is no forest within 250 m and no intake well, breeding point and bridge within 500 of mine lease. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee decided that the proposal for Bejang Balu Ghat over Koel River of Sri Rakesh Kumar Gupta at Village-Bejang, Anchal, Chanho, Dist.- Ranchi, Jharkhand (1.45 Ha) be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given at Annexure I.

Annexure I

A. Specific Conditions

1. The Environmental clearance is subject to grant of Mining Lease and will be co-terminus with the mining lease period.
2. The mining work will be open-cast and exclusively manual. No mechanical work or drilling / blasting should be involved at any stage.
3. The mining is confined to extraction of sand from the river bed only. No mining is to be carried out in water stream. It shall be ensured that there shall be no mining beyond 03 m or upto water level which ever is less in the issue of Sand Mining or Sand / Gravel Mining should be raised 15 meter away from the river side or mining should be restricted from the distance equal or more than 1/5 module of river width shall be left on both the banks of precise area to control and avoid erosion of river bank.

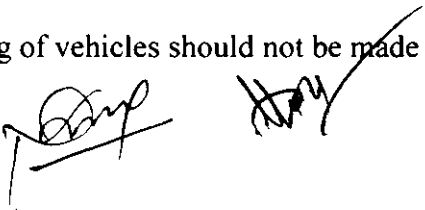


4. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed. Also PP shall ensure that stipulations mentioned in MoEF OM No.- J-13012/12/2013-IA-II(I), dated- 24th December, 2013 and SEIAA, Jharkhand guideline dated 07.05.2013 are adhered to.
5. For the green belt development in the mining area / transport road sides / other land area saplings available in the forest nursery / private nursery should also be considered for the mentioned purpose instead of the Trees / Plants mentioned in the PFR / Presentation copies of the proposed mine.
6. No sand mining activities will be carried out in upstream or downstream within 500 m of railways, road, bridge, water intake, wires & notified aquarium or breeding places.
7. Project Proponent shall appoint a Monitoring Committee to monitor the replenishment study, traffic management, levels of production, River Bank erosion and maintenance of Road etc and shall submit report to SEIAA, JSPCB and DMO after every monsoon i.e. by end of November (30th) of that year. Also after receding of flood / water (after monsoon) a study has to be conducted in mining lease area and list of flora & fauna is to be prepared and submit report to SEIAA, JSPCB and DMO.
8. 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).
9. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna.
10. The project proponent shall prepare the plan of mining in conformity with the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season. Due consideration will be given to points raised in Supreme Court judgement and SEIAA guidelines.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent will provide protective respiratory devices to workers working in dusty areas and they shall also be provided with adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
13. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management rules.
14. Project falling with in 1.0 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.

15. Natural /customary paths used by villagers should not be obstructed at any time by the activities proposed under the project. Transportation of sand is to be carried out with consent of Villagers and Trucks are to be covered with Tarpaulin.
16. Local flora may be planted in the Core Zone of the Mining Lease area.
17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
18. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India / MOEF Guidelines applicable to Minor Minerals.
19. PP shall maintain minimum distance from Reserved / Protected Forests as stipulated in applicable guidelines.
20. 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.
21. 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.
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. 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

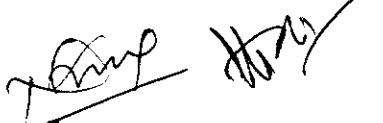
B. General conditions

1. Any change in mining area Plot / Khata numbers, entailing capacity addition with change in process and or mining technology modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended), SEIAA guidelines and Supreme Court judgement on the subject.
2. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation, Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
3. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall-be automatically deemed to have been cancelled.
4. Parking of vehicles should not be made on public places.



5. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
6. No wildlife habitat will be infringed.
7. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed / basin, where, mining is carried out.
8. It shall be ensured that mining operation will not in any way disturb the, velocity and flow pattern of the river water significantly.
9. It shall be ensured that there is no fauna dependant on the river bed or areas dose to mining for its nesting, primary survey of flora and fauna shall be carried out and data / report on the same, vetted by the competent authority shall be submitted to the RO, JSPCB and SEIAA within 03 months of grant of EC.
10. The proponent shall observe every 15 day for nesting of any turtle hill stream fishes in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat / nesting area is undisturbed.
11. Hydro- geological study shall be carried out by reputed organization / institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the DMO, JSPCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
12. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the DMO, JSPCB and SEIAA and this activity should be completed before the start of sand mining.
13. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects / tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
14. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO / Horticulture Officer. At least 33 % equivalent to lease area is to be covered with local species of plant. Plantation is to be carried out along Village road and other roads, community places like schools, temples, religious places, panchayat bhawan, etc.
15. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
16. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities, Maintenance of Village roads through which transportation of minerals is to be undertaken, shall be carried out by the project proponent regularly at his own expenses.

17. Measures for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geo textile matting or other suitable material.
18. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
19. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile / insect like snake. Periodical and Annual medical check up of workers as per Mines Act and they should be covered under ESI as per rule.
20. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
21. The Project proponent shall maintain register for production and dispatch and submit return to the SEIAA / JSPCB / concerned authorities.
22. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
23. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
24. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
25. Dispensary facilities for First Aid shall be provided at site.
26. A separate environmental management / monitoring cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
27. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover).
28. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
29. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
30. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a



convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.

31. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the project proponent.
32. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along the status of compliance of EC conditions and shall also be submitted to the concerned Regional Office of JSPCB by e-mail.
33. All statutory clearances shall be obtained before start of mining operations.

C. Other points

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

2. "B+G+XIII storied Residential & Commercial Complex" of M/s SHRIRAM OZONE HOUSING DEVELOPMENT PRIVATE LIMITED at Mouza-Chandwe, Kanke Road, Tehsil-Kanke, Dist.-Ranchi, Jharkhand.

The project "B+G+XIII storied Building" is a Residential & Commercial Project by M/s Shriram Ozone Housing Development Private Limited, It is proposed on Khata No. 52, Plot No 463,464; & Khata No. 2, Plot No 319 in Mouza – Chandwe on Kanke Road, Town: Ranchi, Tehsil: Kanke, Distt: Ranchi, Jharkhand. The project cost including cost of land is 31.72 Crores.

It is located near Chandni Chowk on Kanke Road that connects Ranchi to Patratu.

The proposed development is a residential & commercial project with a range of Flats and Shops. The complex will have 117 Residential Flats and 20 Commercial Shops. The overall area of the project site is 1.98 Acres ~ 8016.79 Square Meters.

The site is located in a prominent area of Ranchi city, at Latitude: 23° 24' 34.59" N and Longitude: 85° 18' 55.36" E

The total plot area is 8016.79 Square Meters out of which 818.328 Square Meters of area is deducted for Road Widening by Ranchi Municipal Corporation. The effective (net) plot area of the project is 7197.72 Square Meters. Ground Coverage is 2386.781 Square Meters (33.16% of project area). The Total Built up Area is estimated to be **23697.095 Square Meters & Super built-up area 29853.618 Square Meters.**

Salient Features of the proposed project:

Land Area	8016.79 Square Meters
Gifted Area	818.328 Square Meters
Project Area (Net)	7197.72 Square Meters
Total Water Requirement	88.00 KLD (One Time)
Fresh Water Requirement	75.00 KLD (regular make-up)
Waste Water Generated	61 KLD (Available Treated Water: 55 KLD out of that 42 KLD will be reused during non-monsoon period and 13 KLD during monsoon period. And 13 KLD and 42 KLD will be discharged to municipal drain during non-monsoon and monsoon period respectively)
Solid Waste	337.5 Kg per Day (193.5 Kg/day Biodegradable and 144 Kg/day Non-bio degradable. All solid waste will be disposed through municipal authority)
Total Proposed Ground Coverage	2386.781 sqm; (@ 33.16% of project area)
Internal road area	1376.924 sqm; (@ 19.13% of project area)
Green area	839.54 sqm; (@ 11.67 % of project area)
Paved area	1733.79 sqm; (@24.08 % of project area)
Others	860.685 sq; (@ 11.96 % of project area)
Proposed FAR	2.956
Built Up Area	Total Built up Area is estimated to be 23697.095 sqm & Super built-up area 29853.618 sqm .
Total Open space	4810.94 sqm (~ 66.84 % of the area)

Parking Area	Parking Area Provided 6744.32 sqm (including open parking)
Area of STP & sewerage	843.8 sqm Sewage @ 61 KLD
Maximum height of building	46.6m
No. of Units Residential/Shops	117/20
No. of Parking Spaces Provided	213 Nos.
Total Power Requirement	100 KVA during construction phase & 1051 KVA during operational phase
Backup Power	DG Set (2 Nos.x 525 KVA during operational phase)

Based on the presentation made and information provided the Committee decided that the proposal “B+G+XIII storied Residential & Commercial Complex” of M/s SHRIRAM OZONE HOUSING DEVELOPMENT PRIVATE LIMITED at Mouza-Chandwe, Kanke Road, Tehsil-Kanke, Dist.-Ranchi, Jharkhand be recommended for consideration of SEIAA subject to above mentioned observation for grant of EC. The various conditions for grant of EC are given below.

A. Specific Conditions

Facility of labourers during construction: -

- i. Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps. Water usage during construction should be optimised to avoid any wastage.
- ii. Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. In case of non availability of the sewer system, an onsite treatment system has to be provided.
- iii. Health and safety of the workers should be ensured during construction. Personnel protective equipment like helmets, earmuffs, earplugs etc. should be provided to the workers. For vibration control damped tools must be used.
- iv. Prior consent-to-Establish (NOC) for the proposed project must be obtained from JSPCB by the proponent from the competent authorities before starting work at site.

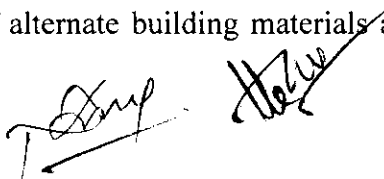
Steps to avoid disturbance during construction:-

- i. Topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site. Balance top soil should be disposed at in planned manner for use else where Adequate erosion and sediment control measures to be adopted before ensuing construction activities.
- ii. Prior permission should be obtained from the competent authority for demolition of the existing structure, if any. Waste recycling plans including top soil should be developed prior to beginning

- of demolition and construction activity. The plans should identify wastes to be generated and designate handling, recycling and disposal method to be followed.
- iii. Disposal of muck including excavated material during construction phase should not create any adverse effects in the neighborhood and the same shall be disposed of taking the necessary precautions for general safety and health aspects.
 - iv. Diesel generator sets used during construction phase should have acoustic enclosures and should conform to Environment Protection Rules prescribed for air and noise emission standards.
 - v. Vehicles / equipment deployed during construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. Adequate mitigative measures should be adopted to control dust emissions, noise and vibrations during construction activities. Vehicles and construction machineries should be properly maintained. Vehicles should conform to Pollution under control (PUC) norms. Necessary statutory clearances shall be taken.
 - vi. Ambient noise levels should conform to residential standards both during day and night. Only limited necessary construction should be done during nighttime. Fortnightly monitoring of ambient air quality (PM 10 and PM 2.5, SO₂ and NO₂) and CO equivalent noise levels should be ensured during construction phase.
 - vii. Construction spoils including bituminous material and other hazardous materials including oil from construction equipment must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water. If necessary, oil trap should be installed where there is deployment of heavy machineries.
 - viii. Regular supervision of the above and other measures should be in place all through the construction phase so as to avoid disturbance to the surroundings.
 - ix. Loading and unloading operations should not be carried out in open areas.
 - x. Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.
 - xi. Locally available materials with less transportation cost should be used preferably.
 - xii. Accumulation / stagnation of water should be avoided to ensure vector control.

Selection of materials for better energy efficiency:-

- i. Use of energy efficient construction materials should be ensured to achieve the desired thermal comfort.
- ii. Design layout should ensure adequate solar access and ventilation. Proper planning and window design for daylight integration should be considered.
- iii. Fly Ash is to be used for construction as per Notification No. S.O. 763(E) dated 14.09.1999 amended vide Notification No. S.O. 979(E) dated 27.8.2003 and S.O. 2804(E) dated 03.11.2009 of the Ministry of Environment & Forests, Govt. of India.
- iv. Construction should conform to the requirements of local seismic regulations. The project proponent should obtain permission for the plans and designs including structural design, standard and specifications from concerned authority.
- v. Construction technologies that require less material and possess high strength should be adopted. Materials with low embodied energy and high strength should be used preferably.
- vi. Use of alternate building materials and alternate construction techniques should be considered



apart from the conventional materials and methods.

- vii. Use of energy efficient lighting systems. Solar lamps should be used for outdoor lighting. At least 40% of external lighting will be based on solar power, as proposed. Solar water heating should also be introduced in buildings requiring hot water.
- viii. Passive solar cooling to be incorporated in building design. Buildings should be oriented for ensuring natural ventilation and day lighting.
- ix. Proper insulation of roof should be provided to achieve desired thermal comfort.
- x. Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.
- xi. Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.
- xii. Reduce hard paving onsite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.
- xiii. Adequate open space, greenery and water bodies to be provided as per rules.
- xiv. Any proposed building with air conditioning facility should follow the norms proposed in the E regulations made by the Bureau of Energy Efficiency. Use of chillers will be CFC & HCFC free.
- xv. Provisions as per National Building Code 2005 should be followed.

Water supply:

Water requirement during construction phase shall be met from municipal supply. Ground water should not be abstracted without prior permission of the competent authority.

Rain Water Harvesting

Rain Water Harvesting Scheme shall be prepared and got duly approved by Ground Water Directorate, Government of Jharkhand.

Sewage Treatment Plan

As per the proposal submitted by the proponent wastewater shall be treated in STP. Treated sewage should conform to E(P)A Rules. Treatment Plants should be monitored on a regular basis. Reuse of treated wastewater should be carried out as proposed.

Emission from Diesel Generator Sets-

- i. Noise barriers will be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. Diesel generator sets should be provided with integral acoustic enclosure.
- ii. The stack height and emissions from D.G. sets should conform to the norms of Central Pollution Control Board. The certification of space design for DG sets should be done by competent authority.

Energy Efficiency:-

- i. Use of energy efficient construction materials to achieve the desired thermal comfort should be incorporated. The provisions of National Building Code should be followed.
- ii. The lighting design and the heating, ventilation and air conditioning systems should conform to the recommendations of the Energy Conservation Building Code.

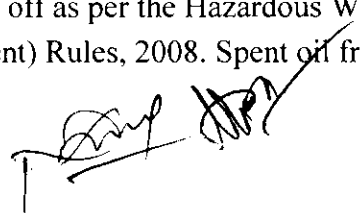
- iii. Use of energy efficient electrical systems should be promoted. High efficiency lamps should be used.
- iv. Energy efficient Motors and properly rated Transformers should be installed. Manufacture certificate to this effect shall be obtained and kept on record.
- v. The power cabling shall be adequately sized as to minimize the distribution losses.
- vi. The project proponent should resort to solar energy at least for street lighting / indoor lighting and water heating.
- vii. Energy Audits should be conducted on a regular basis.

Transport Management: -

- i. Both internal and external traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.
- ii. The design of service road and the entry and exit to /from the project area should conform to the norms & standards of competent authority for traffic management. Bell mouth type arrangement should be made at the entry & exit. Proper traffic management plan should be adopted in consultation with Traffic authorities. Necessary permission be obtained from concerned authority.
- iii. Adequate parking space should be provided. Sufficient exits are to provided and proper directions marked both for Normal and Emergency Situations.
- iv. Pathways should be covered or shadowed by tree canopy as far as practicable. Transport system should be such that traffic will be calm in neighborhoods. Traffic within the project site should be restricted by regulation. Adequate vertical and horizontal clearances of overhead electric power and telecommunication lines should be provided.

Solid Waste Management

- i. The proponent must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and no biodegradable wastes. The solid waste is to be disposed off in consultation with municipal authority.
- ii. The proponent should provide different coloured bins for different categories of waste and ensure complete segregation of biodegradable and non-biodegradable wastes. The solid waste from direct collection and storage bins should be finally collected at transfer stations. Further segregation will be done at transfer stations to collect recyclables such as plastic, polythene, glass, metals, textiles, rubbers, leathers, paper etc. Separate compartments shall be provided for each type of recyclables.
- iii. The proponent should abide by the Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008. Collection and storage of hazardous wastes during construction and Post construction activity should be planned properly. The expected hazardous wastes should be disposed off separately as per the Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008.
- iv. Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous Wastes (Management, Handling and Tran boundary Movement) Rules, 2008. Spent oil from DG Sets should be disposed off through registered



recyclers only.

- v. Various types of electrical and electronic wastes generated in the buildings, which includes PC, Xerox machine components etc. should be collected separately for transportation to the authorized recyclers approved by the State / Central Pollution Control Boards. There should also be provision for storage of these wastes in the building before transportation. The waste collected should be processed in authorized recycling unit.

B. GENERAL CONDITIONS

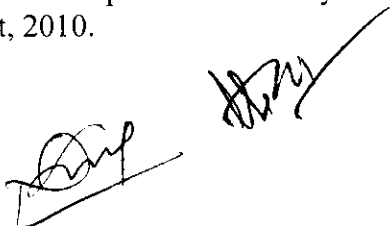
- i. All mandatory / statutory approvals and permissions as required from various agencies like Director of Explosives, Fire Department, and Aviation Department etc. should be obtained.
- ii. Provision of Effective Controls and Building Management Systems such as Automatic Fire Alarm and Fire Detection and Suppression System, Building Automation System for Energy Conservation, Management Information Systems etc. must be ensured.
- iii. Automatic lighting control, task lighting, occupancy sensors, heat exchanger, high efficiency chillers etc. should be provided for energy conservation, wherever applicable. Use of intelligent lighting should be considered for energy conservation.
- iv. Efficient management of indoor air quality must be ensured for health and safety of the users. The HVAC&R systems should be so designed to maintain proper Indoor Air Quality.
- v. Rest room facilities should be provided for service population.
- vi. Provisions should be kept for the integration of solar water heating system.
- vii. Adequate access to fire tenders should be provided.
- viii. CO monitoring facility with automatic alarm should be provided at basement car parking, if any.
- ix. The implementation of Environmental considerations should be carried out, as proposed. Regular monitoring should be carried out during construction and operation phases.
- x. Firefighting systems should be designed in compliance with the norms. Preventive measures should be adopted for Risk & Disaster Management as per the provisions of the National Building Code.
- xi. The compressed gas cylinders, if any, should be stored and handled as per Chief Controller of Explosives (CCOE) rules. Any hazardous materials and or radioactive materials, if any, should bear a Danger/Caution labeling.
- xii. Disaster Management Plan should be prepared and displayed at Key locations. Good housekeeping practices and preventive measures should be adopted.
- xiii. The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project.
- xiv. Environmental Management Information System shall be maintained properly.
- xv. The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.
- xvi. The environmental safeguards should be implemented in letter and spirit.
- xvii. The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.
- xviii. Six monthly monitoring reports should be submitted to the Jharkhand State Pollution Control Board, who would be monitoring the Implementation of environmental safeguard and should be

given full cooperation, facilities and documents/ data by the project proponents during their inspection.

- xix. In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable. In case of any change(s) in the scope of the project, the project would require fresh appraisal by the SEAC, Jharkhand.
- xx. The project proponent should inform the public that the proposed project has been accorded Environmental Clearance by the SEIAA, Jharkhand and copies of the clearance letter are available with the State Pollution Control; Board/committee and may also be seen at website of the SEIAA, Jharkhand. This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.
- xxi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Civil Aviation Department (if required) etc. shall be obtained by project proponents from the competent authorities.
- xxii. Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustained Operation and Maintenance (O & M) of the common facilities (STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc.) even after transfer of ownership of the project, should be made in explicit and transparent manner.

Others:

1. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
2. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
3. The Authority (SEIAA) reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of the Authority or for that matter, for any other administrative reason.
4. Validity of Environment Clearance: The Environmental Clearance accorded shall be valid for a period of 5 years from the date of issuance of EC.
5. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
6. 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.
7. 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.

Two handwritten signatures in black ink are present at the bottom of the page. The signature on the left is more stylized and appears to be 'S. Singh', while the one on the right is more legible and appears to be 'H. Singh'.

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

1. Resident Housing of M/S Pranami Eastate Pvt Ltd at Mouza- Pundag, P.s- Jagnathpur, Block- Nagri, Dist- Ranchi, Jharkhand.

The PP was asked to submit revised Form-I & Form-I A and Draft ToR's. Representation is required with checklist duly complete in all respect and also all details as required in GoI no.- 270/2008-IA.III dated- 19th June, 2013.

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

2. Baripunnu Balu Ghat (Sand Mine) Sri Murli Saw, at Vill- Barkipunnu, Tehsil- Gomiya, Dist- Bokaro, Jharkhand Area- (1.62 Ha)

3. Tapudega Pandripani Balu Ghat of Shri Damrudhar Das, at Vill- tapudega, Tehsil- Thethaitnagar, Dist- Simdega, Jharkhand Area- (6.07 Ha)

4. Nawadih Balu Ghat Sand Mining of Shri Dayanand Kumar at Vill- Nawadih, Tehsil- Khalari, Dist- Ranchi, Jharkhand Area- (5.74 Ha)

PP's were asked to additional information:

- I. Revised Approved Mine Plan.
- II. Establishment of AAKHVI as a company to be submitted by tomorrow.
- III. Annexure-II of SEIAA guideline.
- IV. Details of 1 KM radius.
- V. Details of Transportation Route Map.
- VI. No. of Plants
- VII. Cost of Plantation.
- VIII. Revised project cost.
- IX. Revised EMP cost & CSR cost.
- X. Form -I column 3, 9 & 22 to be fill up.

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

5. Ahrichua Stone Mine of M/s Dev Narayan Ray, at Vill-Ahrichua, P.s- Gopikandar, Dist- Dumka, Jharkhand Area- (1.88 Ha)

PP has submitted certificates from Circle Officer, DFO & DMO. PP was also asked to submit additional information:

- I. Application of NOC.
- II. Revised Form-I.
- III. Revision of mineable reserve
- IV. Photographs of green belt.

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

6. Paharpur Stone Mine of Shri Pitamber Lal Agarwal, at Vill- Paharpur P.s- Dumri, Dist- Giridih, Jharkhand Area- (6.475 Ha)

PP has submitted certificates from Circle Officer, DFO & DMO. PP was also asked to submit additional information:

- I. Revised Form-I & PFR.
- II. Revised green belt.
- III. Affidavit regarding the green belt.

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

7. M/S Hansda Stone Mine of Sri Ravi Nath Hansda at Village- Benagadiya, Anchal- Shikaripara, Dist.- Dumka, Jharkhand (1.449 Ha).

PP has submitted certificates from Circle Officer, DFO & DMO. PP was also asked to submit additional information:

- I. Revised Form-I & PFR.
- II. Revised green belt.
- III. Affidavit regarding the green belt.

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

8. Gamarkocha Pyroxenite Mine M/S Khirod Mudi Vill- Gamarkocha, Dist - East- Singhbhum Jharkhand. (14.07 Ha)

PP has got Approved Mine Plan upto 31.01.2011 to 30.01.2031. However there in no approved mining scheme. PP has been asked to submit approved mining scheme along with other documents.

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

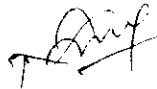
9. Khaprajola Stone Mine of M/s Lakhamani Stone Product Shri Jai Kishan Lakhamani at Vill- Khaprajola, P.s- Pakur Dist- Pakur, Jharkhand Area- (4.452 Ha)

10. Malphari & Bishunpur Stone Mine of M/s J.R. Stone Works at Vill- Malphari & Bishunpur P.s- Pakur Dist- Pakur, Jharkhand Area- (2.764 Ha)

11. Patnibona Stone Mine of M/S Harilal Ajoy & Co. at Village- Patnibona, P.S.- Taljhari, Dist.- Sahibganj, Jharkhand (0.567 Ha).

PP's were asked to additional information:

- I. Revised PFR.
- II. Undertaking from the Board / Management that there will not be any violation in future.
- III. Total project cost.

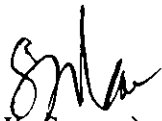



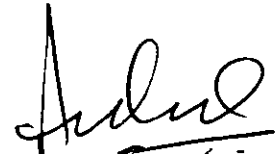
- IV. Environmental Management Plan Cost.
- V. List of Flora & Fauna in mining lease area.
- VI. Details of 1 KM radius.
- VII. Details of transportation route map.

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

C. The following is the list of PP's who have requested for deferment to next meeting.

1. Gangapur Sand Mine of Shri Mrityunjay Kumar Yadav Vill- Gangapur, P.S- Giridih, Dist- Jharkhand, Area (9.00 Acre/ 3.64 Ha)
2. Harichak Sand Mine of Sri Mrityunjay Kumar Yadav Vill- Harichak, P.S- Giridih, Dist- Jharkhand, Area (2.28 Acre/0.92 Ha)
3. Bankhanjo Sand Ghat of Sri Brijesh Nayak Vill- Bankhanjo, P.S- Giridih, Dist- Giridih Jharkhand. Area (28 Acre/ 11.331 Ha)
4. Hardag Stone Mine of Sri Om Prakash Bhagat, at Vill- Hardag, P.s- Dhurwa, Dist- Ranchi, Jharkhand Area- (0.87 Ha)


(S.K. Suman)
Secretary



(A K Saxena)
Chairman