

**MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHNAGE  
IMPACT ASSESSMENT DIVISION  
(NON-COAL MINING SECTOR)**

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**SUMMARY RECORD OF 33<sup>th</sup> MEETING OF THE RECONSTITUTED EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS (NON-COAL) UNDER THE EIA NOTIFICATION, 2006.**

The 33<sup>rd</sup> Meeting of the Reconstituted Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forests and Climate Change was held on **May 15, 2015**. The list of participants is annexed.

After welcoming the Committee Members, discussion on each of the Agenda Items was taken up ad-seriatim.

**Agenda Item No. 1:**

**(1.1). Confirmation of the Minutes of the 32<sup>nd</sup> EAC Meeting.**

The Minutes of the 32<sup>th</sup> Meeting of EAC held during **April 29-30, 2015** were confirmed and circulated.

**Agenda Item No. 2:**

**Day 1: 15<sup>th</sup>May, 2015 (Friday)**

- (2.1). J-11015/ 126/2015-IA-II(M)  
Mining of Rock Sand Minerals of M/s Rock Sand Minerals Pvt Ltd at Survey No. 210, madharam Village, Jinnaram Mandal, Medak District, Telangana(6.073 ha; 4,80,000 TPA).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.2). J-11015/ 125/2015-IA-II(M)  
Mining of Rock Sand Minerals of M/s Rock Sand Minerals Pvt Ltd at Survey No. 244, Khajapalli Village, Jinnaram Mandal, Medak District, Telangana(4.0 ha; 4,80,000 TPA).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.3). J-11015/ 124/2015-IA-II(M)  
Mining of Stone & Metal Minerals of M/s Rock Sand Minerals Pvt Ltd at Survey No. 345, Survey No. 345, Girmapur Village, Medchal Mandal, Ranga Reddy District, Telangana. (19.80 ha.)**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.4). J-11015/ 137/2015-IA-II(M)  
Nalluri Padma Rao by M/s Nalluri Padma Rao located at Sy. No. 441,  
Vasundhara, Meliaputti Mandal, Srikakulam, Andhra Pradesh (5.4 ha.;  
1,684.80 m<sup>3</sup> of Granite /annum).**

The proposal is for semi mechanized open cast quarrying for granite production of 1,684.80 m<sup>3</sup>/Annum. The quarry lease area of 5.4 ha is located at Sy.No. 441 of Vasundhara Village, Meliaputti Mandal, Srikakulam District, Andhra Pradesh. The quarry lease area falls in the Survey of India topo sheet no. 74 B/1 & B/2 with GPS (WGS-84 datum) co-ordinates of Latitude 18° 45'30.64"N and Longitude 84°08'25.74" E with an elevation of 117m. The nearest village Sarali is located at a distance of 1.0Km from the QL area in Southeast direction. Antaraba Reserved forest is at a distance of 3.9 km in southwest direction. Mahendratana seasonal Stream is flowing from northeast to southwest from lease area at a distance of 0.3 km in north direction.

The proposal was considered as Category "A" Project as Andhra Pradesh and Orissa interstate boundary is at a distance of 330 m in north direction. It was reported by PP that there is no national park, wildlife/bird sanctuary and critically polluted areas within 10km radius from the mine lease area. The Govt. of Andhra Pradesh vide notice no. 1416/Q/2003 dated 20-04-2007 has granted mine lease. The Mining plan has been approved by the Joint Director of Mines and Geology Government of Andhra Pradesh vide Letter No. 3564/MS-TKL /2013 dated 20.09.2014. There is no forest land involved in the quarry lease area.

Water requirement for drinking, maintaining the green belt, wet drilling and also for sprinkling is 6.0 KLD, which shall be met from nearby villages through tankers. The estimated cost of the proposed Project is Rs. 60 Lakhs. During the discussions with PP it was brought to the notice the EAC that this is a **violation case** as the mine was operating since 2010 to 2013 without obtaining environmental clearance. Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.5). J-11015/ 134/2015-IA-II(M)  
Mining of minerals M/s Nellore Mica Mine Association location at  
Village Perumallapadu Sydapuram, Distrtict Nellore, Tehsil Sydapuram,  
Andhra Pradesh (63 ha.).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.6). J-11015/ 133/2015-IA-II(M)  
Mining of minerals M/s Nellore Building Stone & Road Metal quarry  
Association location at Utapalem, Vendodu & Kundakur) Village,  
Gudur & Podalakur Mandal, Nellore District, Andhra Pradesh. (61.09).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.7). J-11015/ 151/2015-IA-II(M)**  
**Mining of Minerals (colored Granite) M/s Nalluri Padma Rao at location Sy. No. 441, Vasundhara Village, Meliaputti Mandal, Srikakulam District Andhra Pradesh (1,689.20 m<sup>3</sup>/annum; 5.4 ha).**

The mine lease is located at Sy. No. 441 of Vasundhara Village, Meliaputti Mandal, Srikakulam District, Andhra Pradesh. The mine lease area is of 5.4 ha and falls in the Survey of India topo sheet no. 74 B/1 & B/2 with GPS (WGS-84 datum) co-ordinates of Latitude 18°45'33.55"N and Longitude 84°08'33.96" E with an elevation of 109m. The nearest village Sarali located at a distance of 1.25km from the QL area in Southeast direction. The road access is siriyakhandi village to makkannapalli road is passing at a distance of 500m from the QL area in Southeast direction. The following reserve forests are located within 10 km radius of the mine lease area; Chintapalle Reserved forest at a distance of 2.6km in south direction, Peddalodgidi Reserved forest at a distance of 5.6km in Southwest direction, Peddakedari Reserved forest at a distance of 5.1km in Southeast direction, Jadhupalli Reserved forest at a distance of 9.0 km in Southeast direction, Parikota Reserved forest at a distance of 6.3 km in northwest direction, Bidua Reserved forest at a distance of 7 km in northwest direction, Pulikota Reserved forest at a distance of 8.0 km in northwest direction, Boyakonda Reserved forest is at a distance of 5 km in northwest direction, Nutilova Reserved forest is at a distance of 8.0 km in west direction. Mahendratanya seasonal Stream is flowing from northeast to southwest from lease area at a distance of 0.3 km in north direction.

This open cast colored granite mining proposal was considered as Category 'A' Project, since Andhra Pradesh and Orissa interstate boundary is at a distance of 330m in north direction. Mahendratanya seasonal river is flowing from northeast to southwest from lease area at a distance of 0.3 km in north direction. It was reported by the Project Proponent that there is no national park, wildlife/bird sanctuary and critically polluted areas within 10km radius from the quarry lease area.

The Government of Andhra Pradesh vide notice no. 932/Q/2004 dated 20-04-2007 has granted the mine lease. The Mining plan has been approved by the Joint Director of Mines and Geology Government of Andhra Pradesh vide Letter No. 3565/MS-TKL /2013 dated 20.09.2014. The Water requirement for drinking, maintaining the green belt, wet drilling and also for sprinkling is 5.0 KLD shall be met from nearby villages through tankers. The estimated cost of the proposed Project is Rs. 60 Lakhs.

During the discussions with PP it was brought to the notice the EAC that this is a **violation case** as the mine was operating since 2010 to 2013 without obtaining environmental clearance. Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.8). J-11015/ 139/2015-IA-II(M)**

**Mining of Minerals M/s Guntur District Stone Crushers Association location at Village vankayalapadu, Rajupalem, tehsil Piduguralla, District Guntur Andhra Pradesh(24 ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.9). J-11015/ 147/2015-IA-II(M)**  
**Road Metal Quarry of Smt Y. Tripura Sundari M/s Sree Lakshmi Constructions location at Sy. No.296, Vinagadapa Village, Gampalagudem Mandal, Krishna District, Andhra Pradesh (Production capacity: 50,000 tonnes /annum Area : 6.125 ha.).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.10). J-11015/ 150/2015-IA-II(M)**  
**Lime stone mine M/s Smt. Swarna Akkamma at D.No. 7.337, swrna pitchayas street, Piduguralla Village & Mandal, Guntur District, Andhra Pradesh (50000 TPA: 74.49ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.11). J-11015/ 153/2015-IA-II(M)**  
**Mining of minerals M/s Sri. Jayamurugan Granites & Exports location at Village Narasimhapuram, Tehsil Palasamudram, District Chittoor, Andhra Pradesh (8.00 ha; 513 M3 ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.12). J-11015/ 113/2015-IA-II(M)**  
**Limestone and Dolomite Mine M/s Mysore Minerals Limited, location at Neerbudhihal Village, Badami Taluk, Bagalkot District, Karnataka State(208 Ha; 1,50,000 tonnes/year).**

The proposal is for limestone and Dolomite Mining with proposed production of 1,00,000 TPA Limestone and 50,000TPA Dolomite by M/s Mysore Minerals Limited located at Neerbudhihal Village, Badami Taluk, Bagalkot District, Karnataka. The Latitude and Longitude of the proposed site are 75°30' 41" N to 75°32' 50" N and 16°7' 30"E to 16°8'15" E.

The Mining operation will be carried out by open cast semi-mechanized method. The mining lease area is 382.43 ha and remaining area is proposed to be surrendered. The TOR is sought for 204 ha. The life of mine is 20 years. The land is private Patta land and does not involve any forest land. It is proposed to carryout limestone and dolomite operation with a maximum production of 1,50,000 TPA. The mine area falls in survey of India Topo Sheet No. 47/P/12 & P/8. The domestic water requirement (50m<sup>3</sup>/day) will be met by Bore well/Dug well within mine lease area.

It was reported by the PP that there is no protected area viz wildlife sanctuaries/ Tiger Reserve/ National Park/ Schedule I species etc. within 10km of the mine. The cost of the proposed Project is Rs. 165 Lakhs. During the discussions with

PP it was brought to the notice the EAC that this is a **violation case** as the mine was operated in 1998 without obtaining environmental clearance. Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

- (2.13). J-11015/ 128/2015-IA-II(M)**  
**Mining of minerals of M/s The Rentachintala Quarry Owner's Association location at Goli Village, Rentachintala Mandal, Guntur Goli Village, Rentachintala Mandal, Guntur District, Andhra Pradesh District, Andhra Pradesh (57.31 Ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.14). J-11015/ 129/2015-IA-II(M)**  
**Mining of Minerals M/s Gkonduru Quarry Association location at Kadimi Pothavaram, Loya & G.Kondur Villages, Krishna District, G.Kondur Mandal, Andhra Pradesh(26.84 ha.)**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.15). J-11015/ 132/2015-IA-II(M)**  
**Mining of minerals M/s SRI Venkatasai Granites location at Survey No. 44/1 of Pasumanda Village, Gudipala Mandal, Chittoor District, Andhra Pradesh (5.364 ha;2246 m<sup>3</sup>/annum).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.16). J-11015/ 135/2015-IA-II(M)**  
**Enhancement of Limestone M/s. Emami Cement Ltd. Production Capacity from 3.17 MTPA to 5.50 MTPA (ROM), M.L. Area- 395.05 ha at Villages- Kukurdih & Risda, Tehsil-Balodabazar, District-Balodabazar- Bhatapara (Chhattisgarh).**

The proposal is for enhancement of Limestone Production Capacity from 3.17 MTPA to 5.50 MTPA (ROM) at Villages- Kukurdih & Risda, Tehsil- Balodabazar, District- Balodabazar- Bhatapara (Chhattisgarh). The Geographical Co- ordinates for the mine site are Latitude- 21<sup>0</sup>37'58.4" N to 21<sup>0</sup>39'48.8" N & Longitude- 82<sup>0</sup>06'12.8" E to 82<sup>0</sup>07'25.2" E. The mine site falls on Survey of India Toposheet no- 64 K/ 2. It was reported by the PP that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife corridors, Tiger/Elephant Reserves within 10 km radius of the mine site. There are 3 Reserved Forests falling within 10 km radius of the mine site.

Total Mining Lease Area is 395.05 ha, out of which 35.401 ha is Govt. land & 365.649 ha is Private land. No forest land is involved in the Project. Mining Lease was granted for limestone over an area of 395.05 ha by Mineral Resources Department, Govt. of Chhattisgarh vide letter no.- F 2- 3/ 2007/ 12 dated 09.09.2008. Environment Clearance was obtained for the Integrated Cement Plant with Cement Plant (2.5 MTPA), Captive Power Plant 40 MW, at Risda and Dhandani villages along with Limestone mine of capacity 3.17 MTPA at Villages- Kukurdih &

Risda, Tehsil- Balodabazar, District- Balodabazar- Bhatapara (Chhattisgarh) from MoEF, New Delhi vide letter no.- J-11011/372/2007-IA II (I) dated 31<sup>st</sup> October, 2011.

Method of mining will be fully mechanized opencast, adopting a system of benches. Bench height will be maintained at 10 m. Dumpers will be used for loading and dumping of waste material/ore. Limestone will be blasted, handled and loaded by excavators into dumpers and ROM will be crushed and transported to the Cement Plant by covered conveyor belt. Total water requirement after the proposed enhancement will be 240 m<sup>3</sup>/ day which will be sourced from ground water & mine sump as & when developed. The estimated cost of the Project is Rs. 30 Crore/-. Capital Cost for Environmental Protection Measures is Rs. 3 Crores/. Recurring cost is Rs. 3 Lakhs/ annum.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.17). J-11015/ 136/2015-IA-II(M)  
Mining project (Granite) by M/s Nagamani Granites located at  
Compartment No. 218, Veerasettipalli B.R.F, Chittoor West Division,  
Yadamarri Mandal, Chittoor District, Andhra Pradesh (production of  
500 m<sup>3</sup>/annum; 5.4 ha).**

The mine lease is located at Compartment No. 218, Veerasettipalli B.R.F, Chittoor West Division, Yadamarri Mandal, Chittoor District, Andhra Pradesh. The quarry lease area falls in the Survey of India topo sheet no. 57 O/4 with GPS (WGS-84 datum) co-ordinates of Latitude 13°05'10.3"N and Longitude 79°01'43.0" E with an elevation of 494 m. The nearest village Kotalam is located at a distance of 1.0km from the ML area in South direction. The nearest railway station is Peyanapalli at a distance of 12.9kms in Southeast direction. The road access is Kotalam to Dasarapalle village road passing at a distance of 250m from the QL area in Northeast direction. The lease area can be accessible through a cart track. The following reserve forests are located; Panamadangi Reserved forest at a distance of 1.8km in South direction, Chittapara Reserved forest at a distance of 6.9km in Southeast direction, Ragimanipeta Reserved forest at a distance of 5.5km in Northwest direction, and Kintampalle Reserved forest at a distance of 3.2km in Northeast direction.

The proposal was considered as Category 'A', as Andhra Pradesh and Tamil Nadu interstate boundary is at a distance of 1.3 km in Southwest direction. It was reported by the PP that there is no national park, wildlife/bird sanctuary and critically polluted areas within 10km radius from the quarry lease area. The quarry lease for black granite was granted by the Assistant Director of Mines and Geology, Government of Andhra Pradesh vide notice no. 2042/Q/2005 dated 15-07-2005 for 20 years period. The Mining plan was approved by the Joint Director of Mines and Geology, Government of Andhra Pradesh vide Letter No. 3172/MP-CTR/2013 dated 06.03.2014. The mine lease area is located in forest land.

The mining operations will be carried out by semi-mechanized opencast method. Proposed annual production is approximately 500m<sup>3</sup> per annum. Water requirement for drinking, maintaining the green belt, wet drilling and also for sprinkling is 5.9 KLD shall

be met from nearby villages through tankers. The waste generated will be used for backfilling in the working pits after completion of workings. Top soil generated will be used for green belt development to reclaim the mined out pits. The estimated cost for the proposed Project is Rs. 60 Lakhs.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.18). J-11015/ 122/2015-IA-II(M)**  
**Mining of M/s M Chenna Rao location at Gummadivelli Village, Aswaraopet Mandal, Khammam District, Telengana (24.66 ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.19). J-11015/ 146/2015-IA-II(M).**  
**Mining of Road Metal & Gravel minerals of M/s Y.Tripura Sundari located at Vinagadapa Village, Gampalagudem Mandal, Krishna District, Andhra Pradesh state (Productioncapacity: 1.5 Lakh Tonnes/annum Area : 3.000 ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.20). J-11015/ 129/2015-IA-II(M)**  
**Mining of minerals M/s GKONDURU CLUSTER located at Kadimi Pothavaram, Loya & G.Kondur Viilages of G.Kondur Mandal, Krishna District, Andhra Pradesh (26 ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.21). J-11015/408/2007-IA-II(M)**  
**Expansion and renewal of Kandri Manganese Mine (ML area 83.0646 ha and increase in production capacity of manganese ore from 0.063 MTPA to 0.1 MTPA for opencast and underground mining of M/s Manganese Ore india Limited(MOIL)at village Kandri, Ramtek Tehsil, Nagpur District in Maharashtra.**

Kandri Manganese Mine of MOIL Limited is situated 42 Km. N.E. in Ramtek Tahsil of Nagpur District in Maharashtra State and approached from Nagpur by National Highway No. 7. It falls between Latitude 21° 24'45" and Longitude 79° 16'00" in Toposheet No. 55 O/7. Mining operations in this lease were started by MOIL in the year 1962. Kandri mine has been granted environment clearance for 0.063 MTPA.

The applied mining lease area covers 83.0646 hectares. It consists of Protected forest 24.82 ha, Zudpi Jungle 13.00 ha, Revenue Land 32.61 ha, Private Land 12.63 ha. During Mining Plan period, the mining operation will be done by development of mechanized opencast/underground method. The Estimated Project cost is Rs. 28.08 Crores. The capital budget for environmental protection measure is

estimated to be Rs 1.84 Crores. It was reported by the PP that there is no National Park, Wildlife sanctuary, defense installation or sensitive area located within 15 km radius of the proposed mine.

The proposal was considered by EAC in its meeting held during **August 26-27, 2014**, the Committee sought clarification that FC was granted vide letter no. 8-23/99 dated 20.07.1999, the mine lease renewal fell due on 30.06.2002, the EC was obtained for 0.063 MTPA vide no. J-11015/408/2007-IA.II (M) dated 12.09.2007 however stage-II FC was not obtained. The FC being co-terminus with mine lease no valid FC was available for the Project. The PP may clarify whether mine was operating without valid FC and whether Stage-II FC was obtained or not. On submission of information, proposal was considered in the present meeting. The Project Proponent informed that Stage-II forest clearance has been obtained vide letter no. 8-23/1999-FC dated 12.11.2014. PP informed that nearby Munsar Manganese Mine expansion TOR was prescribed on 7<sup>th</sup> November, 2014 therefore PP had collected baseline data from 9<sup>th</sup> October, 2014 to 7<sup>th</sup> January 2015. PP requested for allowing the use of data by PP for preparation of EIA report. The Committee agreed to the request made by PP.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

- (2.22). J-11015/163/2015-IA-II(M)**  
**Mining lease area of M/s Sri. N. Gopala Krishna is located at Sy. 195,197 & 198 of Chowlapally Village, Farooqnagar Cheruvu Mandal, Mahaboobnagar District, Andhra Pradesh.**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.23). J-11015/165/2015-IA-II(M)**  
**Guntur District Stone Crusher Association – Gundlapalli, M/S Viswanadha Stone Crusher, Mg. Partner: Sri. V. Narasimha Rao & 14 Others, Was Granted Quarry Leases For Road Metal, Gravel & Napa Slabs At Town / Village Gundlapalli, Goli, Daida, Chinapalakalur, Plot/Survey/Khasra No. 573/P, 655/P, 655/4p, 1/5d, 822/P 570/27b, 111p, In Guntur District, Andhra Pradesh State (24 Ha.).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

- (2.24). J-11015/166/2015-IA-II(M)**  
**Environment Clearance for Nandini Limestone Mines of Bhilai Steel Plant, M/s Steel Authority of India Limited (SAIL) in Tehsil: Damdha, District: Durg (Chhattisgarh) for Expansion of Lease area from 526.34 ha to 549.03 ha ( Expansion area 22.69 ha) with production capacity remaining same i.e. 1.08 MTPA.**

The proposal is for mining of Limestone over an area of 526.54 ha at Tehsil Damdha, District Durg, Chhattisgarh-State. The mine is in operation from 15/06/1958. The proposal is for Expansion of Lease area from 526.34 ha to 549.03



ha (Expansion area 22.69 ha) with production capacity remaining same i.e. 1.08 MTPA. The area falls in the Survey of India Topo Sheet No. 64 G/7 near village Ahiwara, Pithora, Deorjhal & Nandini-Khundini in Tehsil Dhamdha, District Durg of Chhattisgarh state. The latitude and longitude are 21° 21'45" North & 21° 23'00" North and 81° 24'30" East & 81° 26'30" East. The lease is situated at about 25 km towards North-East from Bhilai Steel Plant. It was reported by the PP that there is no National Park, Wildlife sanctuary, defense installation or sensitive area located within 15 km radius of the proposed mine.

The area is more or less flat with ground levels varies from 280 to 290 M AMSL. Total lease area is 526.34 Ha in non Forest acquired land of Bhilai Steel Plant. The Mining lease was renewed by MRD, Govt of Chhattisgarh Vide No. F- 3-268//12/97 from 31.03.1997 to 30.03.2017. The estimated capital cost of the Project is Rs. 38.09 Cr. The water requirement for mines is 1210 m<sup>3</sup> per day i.e around 3, 75,000 m<sup>3</sup>/annum.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.25). J-11015/167/2015-IA-II(M)  
Environment Clearance for Pandridalli and Rajhara Pahar Lease (220.42 Ha) of Bhilai Steel Plant, M/s Steel Authority Of India Limited (SAIL), for Capacity 3.5 MTPA ROM at Iron Ore Complex (IOC) Dalli Rajhara, Tensil Dondi Distt Balod, Chhattisgarh-State.**

The proposal is for Pandridalli and Rajhara Pahar Lease (**220.42 Ha**) of Bhilai Steel Plant, M/s Steel Authority of India Limited (**SAIL**), for production capacity of 3.5 MTPA located at Iron Ore Complex (IOC) Dalli Rajhara, Distt Balod, Chhattisgarh-State. The mine is in operation from 01-June-1958. The area falls in the Survey of India Topo Sheet No, 64 H/2 near village Panderdalli in the District Balod of Chhattisgarh state and is having the Latitude and Longitude 20° 33' 00" to 20° 35' 00" N and 81° 04' 45" to 81° 07'03" E, respectively. It was reported by the PP that there is no National Park, Wildlife sanctuary, defense installation or sensitive area located within 15 km radius of the proposed mine.

Rajhara deposit occurring in Pander Dalli & Rajhara Pahar lease hold constitutes the eastern edge of Dalli Rajhara Iron Ore belt stretching for about 4.5 Kms roughly east west direction. The topography is undulating plains surrounded with medium height hills. The general elevation of the ground is 425 meters mRL, in northern side and 370 MRL in SE side of hill. Also maximum height attained by the hillock is nearly 580 mRL. Total lease area comprises of 220.42 hect (Reserve forest 100.76 ha & Revenue land 119.66 ha.

Mining Lease renewed by MRD, Govt of Chhattisgarh Vide F 3-42/2003/12, for a period from 28.04.2003 to 27.04.2023 over an area of 220.42 ha & FC granted by MOEF& CC, GoI vide F.NO.8-58/2003-fc dated-6/4/2004, over an area of 100.76 ha making it co-terminus with mining lease up to 27.04.2023.

Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee **prescribed the Standard TOR** for undertaking detailed EIA study as per **Annexure-I**.

**(2.26). J-11015/321/2014-IA-II(M)**  
**Newari Limestone Mines of M/s Adhunik Corporation Limited at Newari, Phulwari, Babbariya & Garrabhata Villages, Tehsil Shimga and Palari, District Baloda Bazar, Chhattisgarh (249.410 ha).**

The Mine Lease area is located at Newari, Phulwari, Bambariya, Chirahi & Garrabhata villages, Tehsil: Shimga & Palari District: Baloda Bazar, Chhattisgarh. The proposed production capacity of the Limestone mines is 1.5MTPA. Mining lease area is 249.410ha. The Mine Lease area is at Latitude in between 21° 32' 08" to 21° 33' 11"N and Longitude in between 82° 00' 59" to 82° 02' 02.68" E. It was reported by the PP that there is no National Park, Wildlife sanctuary, defense installation or sensitive area located within 15 km radius of the proposed mine.

Proposed 1.5 MTPA limestone mine is interlinked with Cement Plant having 1.0 MTPA clinker production capacity. Government of Chhattisgarh approved the Mining Lease vide Order No. F-3-27/2008/12 dated 11/10/2010. Mining Plan was approved by IBM vide letter No. 314(3)/2011-MCCM (CZ)MP-45 dated 01.05.2012. The area is covered by Survey of India Toposheet no. 64k/2, 64K/3, 64G/14 & 64G/15(1:50,000scale). The mining will be opencast mechanized; anticipated life of the mine is 30 years. The water requirement for proposed mining activity will be 100 KLD for Dust suppression purpose. There will be no discharge of waste water from this mine. It is reported by the Project Proponent that there is no court case / litigation is pending against the Project. The estimated cost of the Project is 100 Crore.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.27). J-11015/169/2015-IA-II(M)**  
**M/s Bhandral Stone Crusher is located at Khasra No. 2 near Mauza & Mohal Lodhwan/Pail , Tehsil Nurpur, District Kangra, Himachal Pradesh ( 2.0534 ha).**

The proposal is river bed Sand, Stone and Bajri mining with proposed production of 20,655 TPA by **M/s Bhandral Stone Crusher** at Khasra No.2, located at Mauza & Mohal Lodhwan/Pail, Tehsil- Nurpur, District- Kangra, (H.P). The Latitude and Longitude of the proposed site is 32°16' 26.57" N - 32°16' 24.80" N and 75°43' 49.06" E - 75°43' 55.28" E. The mining lease area is 2-05-34 ha which a riverbed. The mining plan is approved by Geology Wing of Industry Department, Himachal Pradesh. The mining plan is approved by State Geologist vide letter No Udyog – Bhu (Khani- 4) Laghu – 513/09 -890 dated 1.05.2013. The mining method shall be manual using hand tools for collection of Sand Stone and Bajri from the riverbed.

The proposal falls under 'A' Category as the interstate boundary between Himachal Pradesh & Punjab is within 5 km radius of the study area and four

other mining leases exists within a radius of 500 m from the proposed Mining lease; because of which, its cumulative area becomes more than 25 ha. About 2,295 metric tons of Silt and Clay will be produced per year which will be used for plantation purpose. 1.92 KLD water is only required for drinking and sprinkling purpose for dust suppression. It was reported by the PP that there is no protected area viz wildlife Sanctuaries/ Tiger Reserve/ National Park/ Schedule I species etc. within 10km of the mine. The cost of the Proposed Project is Rs. 20 Lacs and 5% of the Project cost will be for CSR activity.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.28) Tulsidamar Dolomite mining lease with production capacity of 5.0 lakh tones of BF grade dolomite by M/s Steel Authority of India limited (SAIL), located in village Tulsidamar Jangaipur, Tehsil Bhawanathpur, District Garhwa of Jharkhand (118.72ha) –TOR Extension.**

The proposal is for extension of validity of TOR. The Ministry had issued TOR to M/s SAIL vide letter no. J-11015/14/2013-IA. II (M) dated 13.05.2013, which was valid up to 12.05.2015. Further the PP has requested for extension of validity of TOR, as the submission of final EIA report was delayed due to delay in conducting the Public Hearing.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for additional one year i.e. **from 13.05.2015 to 12.05.2016**.

**(2.29) Mining of Sand (Minor Mineral) in the Mine of "Jainpur -2 Sand Unit" by M/s Yodha Mines & Minerals with proposed production capacity of 16 Lakhs TPA (ROM), located at village Jainpur, District and Tehsil- Sonipat, Haryana (44.40ha) (Consultant: Vardan Environet)-TOR**

The proposal of M/s Yodha Mines & Minerals, is for Mining of Sand (Minor Mineral) in Mine of "Jainpur -2 Sand Unit" by M/s Yodha Mines & Minerals with proposed production capacity of 16 Lakhs TPA (ROM). The mine lease area is located at village Jainpur, District and Tehsil- Sonipat, Haryana in the mine lease area of 44.40ha. The mining lease area is linearly stretching in 2 Blocks /Quarry located on Yamuna at Jainpur-2, Sonipat, Haryana. It is category 'A' Project. The mine lease area is located 1 KM interstate boundary of Haryana and Uttar Pradesh. The Project falls in SOI Toposheet No. H43R4, H43X1, H43R8, H43X5.

- Jainpur Unit-2 River Bed Block
- Jainpur Unit-2 Outside River Bed Block

Direction	Latitude	Longitude
North West Corner	29° 03' 39" N	77° 07' 35"E
North East Corner	29° 03' 39" N	77° 07' 40"E
South East Corner	29°03' 23" N	77° 07' 40"E
South West Corner	29°03' 23" N	77° 07' 332.5"E

The proposed production capacity of sand is 16 Lakhs TPA. The contract area lies on Yamuna riverbed/Private Agricultural land. The total mine contract area is 44.40 ha which, is a non-forest land. The proposed mining contract Project covered the riverbed/Private agriculture land viz Jainpur-2 in the River bed Block (34.40 Ha.) and Jainpur-2 in outside River bed Block (10.00 ha). Letter of Intent (LOI) has been granted by Director Mines & Geology Department, Chandigarh, Haryana, Vide Memo No. DMG/Hy/Cont/Jainpur-2/2015/855, dated 09/03/2015, for the period of 9 year to M/s Yodha Mines & Minerals. Water requirement is 40 KLD. The Estimated cost of the proposed Project is Rs. 14.46 Crores.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.30) Mining of 35,904 TPA ROM of Bauxite by M/s H.P Thanki at Survey No. 330/P old and 437/P new Village Mewasa, Taluka Kalyanpur & District Jamnagar, Gujarat-TOR**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.31) River Suswa Lot No. 12/2 Sand, Bajri & Boulder Mining Project by M/s Grahwal Mandal Vikas Nigam Ltd. at Satiwala, Kudkawala, Teiliwala & Kheri, Dehradun, Uttrakhand.**

The Proposal was already considered in the earlier EAC meeting and was accorded TOR.

**(2.32) Proposed Limestone Mine with Production Capacity of 4.0 Million TPA at Village- Kol Karhiya, Tehsil- Pawai, District- Panna, Madhya Pradesh (M.L. Area- 499.641 ha) (Consultant: J.M. EnviroNet Pvt. Ltd.)- TOR**

The proposal of M/s Springway Mining Pvt. Ltd. is for Limestone Mining with Production Capacity of 4.0 Million TPA (ROM). The mine is located at Village- Kol Karhiya, Tehsil- Pawai, District- Panna, Madhya Pradesh. The Geographical Co-ordinates for the mine site are Latitude- 24<sup>0</sup>15'29.02" N to 24<sup>0</sup>17'09.55" N & Longitude- 79<sup>0</sup>48'24.91" E to 79<sup>0</sup>50'21.15" E. The mine site falls on Survey of India Toposheet no.- 54 P/ 15.

Total M.L. Area is 499.641 ha, out of which 11.553 ha is Govt. land & 488.088 ha is Private land. No forest land is involved in the Project. Letter of Intent (LOI) has been granted for Limestone over an area of 499.641 ha by Mineral Resources Department, Government of Madhya Pradesh vide letter no. F 2-40/ 2013/ 12- 1 dated 9.12.2014. Method of mining will be fully mechanized opencast utilizing Heavy Earth Moving Equipment (HEME) in conjunction with Deep Hole blasting & with the use of state of art non-electric initiation system. Top soil and over burden will be removed separately by dozing for its utilization in reclamation. Limestone bench will be formed by drilling and blasting by adopting safe and environment friendly procedures. Excavated limestone will be loaded by hydraulic excavator & transported up to the crusher. Crushed limestone will be transported up to the Proposed Cement

Plant by covered conveyor belt. Total water requirement for the proposed mine will be 100 KLD which will be sourced from Ground water or River Bearma & Mine Sump as & when developed. Total manpower requirement for the proposed mine will be 86 persons.

There is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife corridors, Tiger/Elephant Reserves within 10 km radius of the mine site. There is one Reserved Forest namely Bardha RF (~ 8 km in NW) & 2 Protected Forests are falling within 10 km radius of the mine site. Total cost of the Project is Rs. ₹ 109 Crore/-. Capital Cost for Environmental Protection Measures is ₹ 2 Crore/-. Recurring cost is ₹ 50 Lakhs/ annum. There is no Court case/ litigation pending against the Project.

The Project Proponent mentioned that they had started collection of base line data since March 2015 and requested to collect the baseline data pre-monsoon season i.e. March 2015 - May 2015. The Committee deliberated the issues and based on the request made by the Project Proponent w.r.t. collection of base line data, the Committee agreed for the same.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.33) Enhancement of capacity in a Colour Granite Quarry from 1200 cbm to 3100cbm per annum by M/s Tamil Nadu Minerals Pvt. Ltd., located at Pappankulam Village, Ambasamudharam Taluk, Thirunelveli District, Tamil Nadu (9.21.0 ha)- TOR**

The Proposal of M/s Tamil Nadu Minerals Limited is for expansion of production capacity of Granite from 1200 Cbm to 3100 Cbm per annum from Mine lease area of 9.21.0Ha. The mine lease area is located in Pappankulam Village, Ambasamudram Taluk, Tirunelveli District, Tamil Nadu. Mine lease area falls in the survey of India Toposheet no 56H/6 and lies between Northern Latitude of 08°40'15.41" and eastern Longitude of 77°27'42.74". It is a category 'A' Project as Kalakadu- Mundanthurai Tiger Sanctuary is located 2.61 km from the Mine lease area.

M/s Tamil Nadu Minerals Limited (TAMIN) is operating a Colour Granite mine with a capacity of 1200 Cubic meter per annum in the mine lease area of 9.21.0 Ha. The lease was granted, vide G.O. 3(D) No.:10, Industries (MME-1) Department dated 23.01.2004 and is valid up to 22.01.2024.

The total Mine lease area is 9.21.0 Ha which is non forest lands. Mining is carried out by semi-mechanized open cast mining methodology and developing pits 578 mt long, 88.5 m width and 10 m deep. Mining operation so far has been restricted to a depth of 10 m from hillock level by exploiting the proved reserves and probable reserves. Future mining operations till the end of the mining lease period will be confined to 30 m depth only. The total water requirement will be about 2.3 KLD comprising Domestic – 1.4 KLD, Water Sprinkling for dust suppression & drilling 0.9 KLD. The total Project capital cost is Rs. 100 Lakhs.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.34) Mining of Black Granite Quarry with production capacity of 1003 cbm per annum by M/s Tamil Nadu Minerals Pvt. Ltd., located at Mahimandalam Village, Katpadi Taluk, Vellore District, Tamil Nadu State (166.92ha)- TOR**

The Proposal of Mahimandalam Black Granite Mine of M/s Tamil Nadu Minerals Limited is for the production of 1003 cbm per annum from the Mine lease area of 166.92ha. The mine is located in Mahimandalam Village, Katpadi Taluk, Vellore District, Tamil Nadu. Mine lease area falls in the survey of India Toposheet no 570/4&8 and lies between Northern latitude of 13°05'9.5" and eastern longitude of 79°13'9.5".

PP reported that initially, the lease was granted over an extent of 373.36.5 ha in SF No. 917 & 921 of Mahimandalam village, Walajah Taluk (Now Katpadi Taluk), Vellore District for 10 years vide G.O Ms. No. 300 Industries Department, dated 26.06.1991. The lease period expired on 22.11.2001. Meanwhile TAMIN surrendered an extent of 126.36.5ha to the Government and the same was accepted by the Government vide G.O 3D No.17 Industries Department, dated.03.03.1998. Subsequently TAMIN filed the renewal lease application for the remaining extent of 247.0ha (373.36.5ha – 126.36.5ha = 247.0ha) for 20 years vide letter date on 17.11.2000 & 28.03.2001. The same was approved in Director of Geology and Mining Letter Rc No. 14624/MM2/2001, dated: 16.11.2001.

Further, TAMIN once again requested the Government to reduce the Lease area by an extent of 80.08.0ha from 247.0ha (247.0ha – 80.08ha = 166.92ha) and the Government have accepted and granted renewal lease for 166.92ha vide G.O 3D. No. 45 Industries (MME1) Department dated; 20.11.2002 for 20 years. The lease period is valid from 23.11.2002 to 22.11.2022. Accordingly the scheme of mining in respect of the above said area with production quantity of 1003 cbm was prepared and submitted to the Commissioner of Geology and Mining, Chennai vide this office letter No.2366/MI2/201, dated: 21.02.2012 and same is under process at the Commissionerate of Geology and Mining, Chennai.

Mining is carried out by semi-mechanized open cast mining methodology and developing pits 1000 mt long; 20 to 70 m wide and 10 to 20 m deep. Mining operation is on a small scale with Granite production of about 1003 cbm per annum. Based on the scheme of mining, total mineable reserves have been estimated as 8413125 cbm and the life of mines will be more than 30 years. The waste to be generated during the ensuing 5 year plan period will be around 1,32,689 Cbm. Waste in the form of Over burden, Inter burden & Side burden generated is being and will be dumped within the lease area.

Mining operation so far has been restricted to a depth of 10 m from hill top level by exploiting the proved reserves and probable reserves. Future mining operations till the end of the mining lease period will also be confined to 30 m depth only. But as drilling operations have indicated the persistence of granite body beyond 30 m

depth, extending down to 100 m and therefore it is proposed not to close the mine & backfill at the expiry of 30 years.

The total water requirement will be about 2.3 KLD comprising Domestic – 1.4 KLD, Water Sprinkling for dust suppression & drilling 0.9 KLD. The total Project capital cost is Rs. 100 Lakhs.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.35) Proposed Limestone Mining Project with Production Capacity of 5.50 Million TPA (ROM) by M/s Emami Cement Ltd., located at near Villages, Lasravan – Javda, Tehsil – Nimbahera, District– Chittorgarh Rajasthan (989.50ha) Consultant: J.M. EnviroNet Pvt. Ltd.)–TOR**

The Proposal of Limestone Mining of M/s Emami Cement Ltd. (An Emami Group Company) is for the Production Capacity 5.50 Million TPA (ROM), Mine lease area being 989.50ha. The mine is located near Villages, Lasravan – Javda, Tehsil–Nimbahera, District–Chittorgarh (Rajasthan). Mining lease area is spread among Babri Khera, Bhatkotri, Changeri, Javda, Lasravan, Khachariya Khedi and Mandavali Villages of Nimbahera tehsil, Chittorgarh district of Rajasthan. The Geographical Co-ordinates for the mine site are Latitude- 24<sup>0</sup>36'33.30" N to 24<sup>0</sup>39'10.67" N & Longitude-74<sup>0</sup>35'30.37" E to 74<sup>0</sup>37'16.27"E. The mine site falls on Survey of India Toposheet no.- 45 L/10.

, Total mining lease area is 989.50 ha, out of which 841.02 ha. is private land & 148.48 ha. is Govt. land. A Letter of Intent for grant of Limestone mining lease has been granted by Department of Mines (Group-2), Government of Rajasthan over an area of 989.50 ha vide letter No- P.5 (354) Khan/Group-2/2014 dated 31.12.2014. Mining will be by fully mechanized opencast method adopting a system of benches. Hydraulic excavators will be deployed for progressing of benches and for handling ore/waste material. Drilling and blasting techniques will be used for hard formations. Excavators will be used for loading and dumping of waste material/ore. Limestone will be blasted, drilled and loaded by excavators into dumpers and ROM will be crushed and transported to the proposed Cement Plant by covered conveyor belt. Total water requirement for the proposed Mining Project will be 240 KLD, which will be sourced from ground water and from mine sump as and when developed. Total manpower requirement for the proposed Mining Project will be 90 persons.

There is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife corridors, Tiger/Elephant Reserves within 10 km radius of the mine site. There are some patches of Reserved and protected forests within the 10 km study area. Total cost of the Project is Rs. 45 Crore/-. Capital Cost for Environmental Protection Measures is Rs. 3.0 Crore/ and its recurring cost is about 0.50 crore/. There is no Court case/ litigation pending against the Project.

The Project Proponent mentioned that they had started collection of base line data since March 2015 and requested to collect the baseline data pre-monsoon season i.e. March 2015 - May 2015. The Committee deliberated the issues and based on the request made by the Project Proponent w.r.t. collection of base line data, the Committee agreed for the same.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.36) Tigoda Dolomite Mine M/s O.G. Goyal at Village Tigoda, District & Tehsil Sagar, Madhya Pradesh (72.15 ha)**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.37) Sandstone Mine with production capacity of Existing – 80,000 TPA (ROM), After Expansion – 2,50,000 TPA (ROM) of M/s Kanhaiyalal Rameshwar Das at village – Dhaneshwar & Sutara, Tehsil & District – Bundi, Rajasthan (618.34 ha) (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur) – TOR**

The proposal of M/s Kanhaiyalal Rameshwar Das is for Sandstone Mine with enhancement production capacity of 2,50,000 TPA (ROM) in the mine lease area of 618.34 ha. The mine is located at Village – Dhaneshwar & Sutara, Tehsil & District – Bundi, Rajasthan for an area of 618.34 ha. The geographical co-ordinates of the site are Latitude: 25°02'53.10" to 25°04'40.78"N and Longitude: 75°32'29.21" to 75°36'01.12" E and is covered by Survey of India Toposheet No. 45 O/12.

The mining lease area of 618.34 ha consists of 289.0 ha of Govt. waste land, 150.0 ha of Private Khatedari land, 104.34 ha of Diversified Forest land and 75.0 ha of Grazing land. The mining is being carried out by opencast semi-mechanized method as per the approved mining plan. The estimated Project cost will be Rs. 8.0 Crore. It has been proposed to produce approximately 2,50,000 TPA (ROM) of Sandstone. Total mineable reserve available is 10.70 MT. The expected life of mine will be 42.80 years. Total waste and overburden generated during the plan period will be 6.14 lac m<sup>3</sup>. The mineral will be transported through trucks/ tippers. It was reported by the Project Proponent that there is no court case/ litigation pending against the Project.

It is also brought to the knowledge of Committee that the Jawahar Sagar Wildlife Sanctuary exists just adjacent to mine lease in south direction. Committee suggested that application to NBWL should be made immediately. Also, detailed precautionary measures towards conservation of wild life should be mentioned in EIA/EMP Report.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.38) Cluster of Mines by Owners of Cluster of Stone/Gitti mines located in 158.081ha of Cluster of 65 mines at Villages Sitapur, Bhojpura, Jijora, Pratapura & Babedi Jungle, Tehsil – Niwari, Distt. –Tikamgarh, Madhya Pradesh (158.081 ha).**

This proposal is for a Cluster of Mines by the Owners of cluster of Stone/Gitti mines located in 158.081ha having 65 mines in Villages – Sitapur, Bhojpura, Jijora, Pratapura & Babedi Jungle, Tehsil–Niwari, Distt.–Tikamgarh, Madhya Pradesh. All the mines are less than 5 ha and the leases together constitute a cluster of mine having an aggregate area of 158.081ha. The entire mine Owners have authorized Sh. Nitin Saraogi to represent the case on behalf of the mine owners. The nearest



boundary of Orchha Wildlife Sanctuary is located at about 4.0 km from the cluster of mines.

The proposal was examined by the Committee and it is noted that the proposal was submitted by Owners of Cluster of Stone/Gitti mines for Mining of Stone/Gitti in an area comprising of 158.081ha and not by the individual lease holders. Most of the mines have been in operation for more than 10 years. Further, all 65 mines are having different lease holders, lease periods and khasra numbers etc. The Ministry accords EC to the Project Proponent lease wise, for which the requisite procedures as per the EIA Notification, 2006, are followed.

In view of the above, the EAC has advised that the individual LoI/lease holders may apply to SEIAA, Madhya Pradesh as these are Category 'B' Projects.

**(2.39) Cluster Sand Mining Project by M/s Adibasi Welfare Society at Hurlung (10.13 Ha), Manpita (2.83 ha) and Lupungdih (4.0468 ha) village, P.O- Luabasa, Thana-Birsanagar, District- East Singhum, State- Jharkhand**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.40) Mining of River Bed Material (Minor Mineral) by M/s Dhyan Singh S/o Shri Harpal Singh with proposed production capacity of 5,91,018.75 TPA (ROM), located at Village Pandori, Tehsil Kathua, District Kathua, Jammu & Kashmir (36.0 ha) (Consultant: M/s Envirta Sustainable Solutions India Pvt. Ltd.)-TOR**

The proposal of M/s Sh. Dhyan Singh is for River Sand & Boulder Mining with Production Capacity of 5,91,018.75 TPA in an area of 36.0 ha of river bed. The Mine lease area is located at Village Pandori, District - Kathua, State – Jammu & Kashmir. The lease area lies on Ravi River Bed along the interstate boundary of Jammu & Kashmir and Punjab at 0.1 Km, thus becoming a Category 'A' Project. The Latitudes and Longitudes of the Mine Lease areas in River bed Block – 32°20' 16.82" to 32 ° 19' 39.75" N & 75 ° 23' 36.98" to 75 ° 23' 33.72" E respectively. Toposheet No 43P/7 (Site).

Mining operation will be done by semi-mechanized opencast method. Excavation will be carried out up to maximum depth of 3 meters in river bed. The total mine lease area is 36 ha which is a river bed and does not fall under notified forest area. Letter of Intent (LOI) for grant of mining lease for minor mineral Sand over an area of 36 ha has been issued from Director of Mines and Geology Department, Govt. of Jammu & Kashmir to M/s Sh. Dhyan Singh, the proposed Lease period is 20 years.

Proponent reported that no ecologically sensitive area such as National Parks, Wildlife Sanctuaries, Tiger Reserves falls within the study area (10 km radius of the mine boundary). The total water requirement is 16 KLD including water demand for domestic purpose, dust suppression & green belt development which will be met by tanker supply. The total cost of Project would be around Rs. 75 Lakhs.

Mining Plan was approved by Director, Geology & Mining, Jammu & Kashmir, Srinagar vide letter no. DMG/F-435/AOMP/745-757 dated 15/5/2015. Forest NOC

was issued by Divisional Forest Officer, Kathua Forest Division, Kathua, Jammu & Kashmir vide letter no. KFD/NOC/2014-15/5002 dated 4/3/2015.

Based on the information furnished and presentation made by the PP and discussions held, the Committee **prescribed** the Standard TOR as per Annexure-I.

**(2.41) Mining of Existing Limestone/ Building Stone Mining Project of Mr. Jugal Kishore Suneja is situated Near Village –Chechat, Tehsil - Ramganjmandi, District – Kota, Rajasthan (25.0 ha).**

The Proposal was **deferred** as the Project Proponent did not attend the meeting.

**(2.42) Enhancement of limestone production from 1.872 Million TPA to 3.744 Million TPA from Partipura Limestone Mine by M/s Trinetra Cement Ltd., located near Village Partipura, District Banswara, Rajasthan (65.82 ha) –Extension of ToR**

The proposal is for extension of validity of TOR. The Ministry had issued TOR to M/s Trinetra Cement Ltd. vide letter no. J-11015/441/2012-IA. II (M) dated 12.06.2013, which is valid up to 11.06.2015. Further the PP has requested for extension of validity of TOR, as the submission of final EIA report was delayed due to delay in conducting the Public Hearing.

Based on the information furnished and discussions held, the Committee **recommended** extension of the validity of TOR for additional one year i.e. **from 12.06.2015 to 11.06.2016.**

The meeting ended with the thanks to the Chair.

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**Standard Terms of Reference (ToR)**

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) 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, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the Proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The 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, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps 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) 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. In the event of any contrary 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) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation 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) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. 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) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site 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, as may be applicable to such Projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18) A detailed biological study of 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, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such 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 alongwith budgetary provisions 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.

19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.

20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).

21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season) ; December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. 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 PM<sub>10</sub>, particularly for free silica, should be given.

23) 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 predominant wind direction may also be indicated on the map.

24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

27) 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.

28) 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. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. 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.

29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of 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. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

32) 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 incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The Project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

36) Public health implications 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 allocations.

37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

40) Details of litigation pending against the Project, if any, with direction /order passed by any Court of Law against the Project should be given.

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

42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

44) Besides the above, the below mentioned general points are also to be followed:-

a) All documents to be properly referenced with index and continuous page numbering.

b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

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 devised earlier by the Ministry shall also be filled and submitted.

f) 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 4<sup>th</sup> August, 2009, which are available on the website of this Ministry, should be followed.

g) Changes, if any made in the basic scope and Project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC 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 again with the revised documentation.

h) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the Project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

i) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

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**List of Participants**

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| 1. Shri M. S. Nagar  | Chairman         |
| 2. Dr. S. Subramaniyan   | Member           |
| 3. Prof. G.S. Roonwall   | Member           |
| 4. Prof. A.K. Bhatnagar  | Member           |
| 5. D Mohamed Kizhar Irshath  | Member           |
| 6. Dr. U. Sridharan, Director (Scientific), MoEFCC                 | Member Secretary |
| 7. Representatives of M/s Nalluri Padma Rao                        |                  |
| 8. Representatives of M/s Mysore Minerals Limited                  |                  |
| 9. Representatives of M/s Emami Cement Ltd. Production             |                  |
| 10. Representatives of M/s Nagamani Granites                       |                  |
| 11. Representatives of M/s Manganese Ore india Limited (MOIL)      |                  |
| 12. Representatives of M/S Viswanadha Stone Crusher,               |                  |
| 13. Representatives of M/s Steel Authority of India Limited (SAIL) |                  |
| 14. Representatives of M/s Adhunik Corporation Limited             |                  |
| 15. Representatives of M/s Bhandral Stone Crusher                  |                  |
| 16. Representatives of M/s Yodha Mines & Minerals                  |                  |
| 17. Representatives of M/s H.P Thanki                              |                  |
| 18. Representatives of M/s Springway Mining Pvt. Ltd.              |                  |
| 19. Representatives of M/s Tamil Nadu Minerals Pvt. Ltd.           |                  |
| 20. Representatives of M/s Emami Cement Ltd.                       |                  |
| 21. Representatives of M/s O.G. Goyal                              |                  |
| 22. Representatives of M/s Ashok Bansal                            |                  |
| 23. Representatives of M/s Jai Jagdambey Stone Industries          |                  |
| 24. Representatives of M/s Trinetra Cement Ltd.                    |                  |

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