

**MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHNAGE
(IA DIVISION-NON COAL MINING SECTOR)**

SUMMARY RECORD OF 30th MEETING OF THE RECONSTITUTED COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS CONSTITUTED UNDER EIA NOTIFICATION, 2006.

The 30th 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 during **January 29-30, 2015**. The list of participants is annexed.

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

Item No. 1:

(1.1). Confirmation of the Minutes of the 29th EAC Meeting.

The Minutes of the 29th Meeting of EAC held during **January 15-16, 2015** were confirmed and circulated.

Agenda Item No. 2:

Day 1: 29th January, 2015 (Thursday)

Consideration of Environmental Clearance Proposals

(2.1). Mining of Sand (Minor Mineral) in the Mine of "Karnal Unit-2" with production capacity of 80 Lakhs TPA (ROM) of Sand by M/s Shri Devender Nagpal, S/o Shri Ramdass, located at villages-Shergarh Tapu, Mohiddinpur, Jharauli, Nabipur, Khirajpur, Mohammadpur & Khuda Kalan (Block/Knl-3), Ghir (Block/Knl-8) & Nalvipur (Block/Knl-9), District-Karnal, Haryana (974.10ha)-(Consultant: Grass Roots Research & Creation India (P) Ltd.)-EC

The proposal of Shri Devender Nagpal, S/o Shri Ramdass is for mining of Sand (Minor Mineral) in the Mine of "Karnal Unit-2" with production capacity of 80 Lakhs TPA (ROM) of Sand in mine lease area of 974.10 ha. The mine lease area is located at village(s)-Shergarh Tapu, Mohiddinpur, Jharauli, Nabipur, Khirajpur, Mohammadpur & Khuda Kalan (Block/Knl-3), Ghir (Block/Knl-8) & Nalvipur (Block/Knl-9), District-Karnal, Haryana. The lease area lies in the bed of River Yamuna & outside the river bed too. The Latitudes and Longitudes of mine lease area are (Block/Knl-3) Latitudes: 29°45'57.12"N to 29°43'29.65"N; Longitudes: 77°07'49.29"E to 77°07'52.03"E, (Block/Knl-8) Latitudes: 29°48'18.46"N to 29°47'36.22"N; Longitudes: 77°06'14.09"E to 77°06'57.11"E,

(Block/Knl-9) Latitude: 29°41'20.13"N to 29°40'26.08"N Longitude: 77°5'17.74"E to 77°4'49.28"E (Block/Knl-11) Latitudes: 29°37'45.04"N to 29°36'26.18"N Longitudes: 77°06'03.94"E to 77°06'42.62"E respectively on toposheet numbers 53G/1, 53G/2, 53G/5, 53G/6. The Project is located in seismic zone-III. Interstate boundary of Haryana and Uttar Pradesh lies within the 10 Km radius of the lease area.

The proposal was considered by the Expert Appraisal Committee (Mining) in its meeting held during March 20-21, 2014 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by the Ministry vide letter no. J-11015/50/2014-IA.II (M) dated 5th May, 2014. The Proponent submitted the EIA/EMP report online to the Ministry seeking environmental clearance after conducting Public Hearing.

The proposed project is an open-cast mining project, confined to excavation of sand from the proposed site. The project consists of land type of both riverbed & off-river bed (paleochannels). The rate of production of sand will be 8.0 million TPA (ROM). Project Proponent reported that the Sand from the dried river bed will be excavated at the rate of 4.0 million TPA (ROM) and outside the river bed @ 4.0 million TPA (ROM).

Total mine lease area is 974.10ha. Out of which, river bed area is 563.10ha and off river bed (agricultural land) area is 411ha. The operation will be manual on river bed blocks & in off-river bed blocks operation will be semi-mechanized with use of excavator, Trucks etc. Extraction of material will be done only during day time and will be completely stopped during monsoon season. The Letter of intent has been issued to Shri Devendra Nagpal by Director of Mines & Geology, State Govt. of Haryana, Chandigarh vide letter no. DGM/Hy/Karnal Unit-2/2013/117 dated 03.01.2014. Life of mine is 10 years. The Committee viewed that as per existing guidelines regarding depth of mining in River bed will be upto 3m or at least a meter above the water level whichever is less. Similarly, depth of mining shall be 9m in Agricultural land or upto the depth above existing layer of the soil whichever comes first.

The Committee noted that PP will use 411.0ha agricultural land for the mining activities which may affect the fertility of the soil. The Committee noted that a representation was received from the Society for Awareness and Development which *inter-alia* has cited the Report of Haryana Agricultural University, Hissar (2006) which was relied upon by the Hon'ble High Court of Punjab and Haryana requiring the Environmental Impact Assessment Authorities to examine the issues prior to grant of environmental clearances. The Committee noted that the provision of the EIA Notification, 2006 entails prior examination of issues before the proposals are recommended for EC. HAU in their summary have concluded with respect to three Districts namely Sonapat, Panipat and Yamuna Nagar that, *"the sand mining has disturbed the natural soil profile, land degradation due to soil erosion, formation of gullies at the junction of mined and un-mined fields and drifting of fine dust particles causing air pollution; the depleted soil fertility and low water holding capacity of the soil as a result of sand mining, the inputs of requirement in terms of fertilizers and water will be high resulting in high cost of crop production and less net profit"*. Representation has also been received requesting the EAC

to consider sand mining cases in the meetings to be held during the next few months. Accordingly, the issue of mining over agricultural land should be considered in a broader prospective and views of various Expert Institutions that have carried out detailed studies and research, should be taken before any sand mining or mining of any mineral which is otherwise abundantly available elsewhere, be allowed over agriculture land. Though, the present proposal is for District Karnal but the impact being of similar nature, the Committee is of the view that all necessary precautions to prevent the degradation of the surrounding eco-system shall be put in place. In case any degradation is noticed, the affected fertile land shall be duly compensated for loss in productivity.

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). However, one Reserved Forest exists within the study area. The conservation plan for Schedule-I species Monitor Lizard, Black Buck & Peacock and for Schedule-II Rat snake, Mongoose, Jackal & jungle cat has been approved by Chief Wildlife Warden of the State Government. The total water requirement is 10 KLD including water demand for domestic purpose, dust suppression & green belt development which shall be met by tanker supply.

Baseline studies were carried out during March-2014 to May-2014). All parameters for air, water, soil & noise quality were within the permissible limits. The Public Hearing for the proposed minor mineral mining project was conducted on 01.12.2014 at village-Shergarh Tapu, District-Karnal, Haryana. The Public Hearing was presided over by Shri Girish Arora, Addl. Deputy Commissioner, Karnal. The representative from Haryana Pollution Control Board was also present. The issues raised during Public Hearing were discussed during the meeting. Action plan with budgetary provision for the points raised during the Public Hearing has been incorporated in the Project Report.

Total cost of the Project is Rs. 3.33 Crores. The Project Proponent has earmarked Rs. 16.70 Lakhs towards capital cost for Environmental Protection Measures and Rs. 13.06 Lakhs per annum has been earmarked towards recurring cost. The PP has earmarked Rs. 19 Lakhs towards CSR activities.

Further to the information cited above, the Committee desired that **Project Proponent should submit the following documents/clarifications and on receipt of the same, the EAC shall consider without calling the Project Proponent:-**

- (i) Detailed Report on the likely increase in productivity of Agricultural land in the post mining period with restoration process to productive level (as informed by the PP on the basis of Reports of some Research Institutions Along with the concerned reports of the studies made. .
- (ii) Proposed Protective measures in respect of this Project having located in seismic zone-III as part of Disaster management plan indicating mitigation measures for moderating the disaster effect;

- (iii) Details of compensation proposed to be given to farmers as per R&R Policy of the State Govt. along with pert chart showing acquisition, and returning land for cultivation after mining activity;
- (iv) A Plan for providing potable drinking water in village(s) viz. Shergarh Tapu, Mohiddinpur, Jharauli, Nabipur, Khirajpur, Mohammadpur & Khuda Kalan, Ghir & Nalvipur with high fluoride content in water;
- (v) Proposed Plan with map for 7.5 m green belt as proposed by the PP between mining land and adjacent Agricultural land to minimize loss of top soils and wind velocity; and
- (vi) Compliance of TOR No. 34 w.r.t. Public Health related issues has not been adequately addressed.

(2.2).Proposed Limestone Mine with production capacity of 0.5 million TPA (ROM) of Limestone & Marl production by M/s UltraTech Cement Ltd., located at Village Ottakovil, Taluk & District Ariyalur, Tamil Nadu (74.38 ha)-(Consultant: J.M. EnviroNet Pvt. Ltd.)-EC

The proposal of M/s UltraTech Cement Ltd. is for Limestone Mining Project with production capacity of 0.5 million TPA (ROM) of Limestone & Marl production in the mine lease area of 74.38 ha. The mine lease is located at Village- Ottakovil, Taluk & District – Ariyalur, Tamil Nadu. The Latitudes & Longitudes of the site are 11^o 12'17" N to 11^o 12'52" N and 79^o 06'04" E to 79^o 06'48" E respectively & part of study area falls within the Survey of India Toposheet No. 58 M/4.

The proposal was considered by the Expert Appraisal Committee (Non-coal Mining) in its 4th meeting held during 20th to 22nd February, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA. TORs has been issued MoEF vide letter no J-11015/425/2012- IA. II (M), dated 26th March, 2013. The EIA/EMP report was submitted online to the Ministry for seeking environmental clearance after conducting Public Hearing.

Total mining lease area is 74.38 ha which is a private Patta land. No forest land exists within the ML Area. Letter regarding grant of mining lease over an area of 74.38 ha area in Ariyalur District (Tamil Nadu) for mineral limestone & Marl has been issued by Commissioner of Geology and Mining, Department of Geology and Mining vide their Letter No. 7057/MM1/2009 dated 22.02.2012 in favour of M/s Grasim Limited. Mining Plan including Progressive Mine Closure Plan for the proposed mine has been approved by IBM, vide letter no. TN/ALR/MP/LST-1908-SZ dated 01.08.2014. Mining is proposed to be done by fully mechanized open cast method by formation of benches of maximum 6.0 m height. Excavation will be by drilling and blasting. The ROM will be transported to the crushing plant which is located in cement plant at Reddipalayam. At the end of lease period, the excavated area will be converted as water reservoir. Earth moving machinery like Hydraulic excavators, Tippers, Drill machine, Dozers, etc. will be deployed in the process of mining. Total water requirement for the project is 30 KLD, which will be sourced from Ground water

or mine sump as and when developed. Total Manpower requirement for the project is 50 persons. The Committee noted that Mine Plan has been approved by IBM, vide letter 01.08.2014 and the Public Hearing was held during 02.08.2014 i.e. prior to approval of the Mine Plan. Thus the Public Notice was issued and the Public was informed about the Mining Proposal with a draft Mine Plan only. In this context, PP vide letter dated 29.01.2015 has submitted the undertaking that the draft mine plan and approved plan are consistent and in synchronization with each other.

Project Proponent reported that no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves exist within 10 km of the mine lease area. One Reserved Forests exist within 10 km radius of mine site. One Schedule-I species is reported in the Buffer zone. Schedule-I species specific conservation Plan duly approved by the Chief Wild Life Warden needs to be submitted with budgetary provisions.

The baseline data was collected during Sumer Season 2013 (March - May). All the parameters were within permissible limits. The Public Hearing was held on 2nd August 2014 at 11:00 am at the mine site and presided over by Thiru. B Ravindran, District Revenue Officer of Ariyalur. The representative of Tamil Nadu Pollution Control Board was also present. The Committee discussed the issues raised during Public Hearing which inter-alia, included, socio- economic development viz. infrastructural development, Health, Education etc.; Drinking water supply, environment related issues, employment, Road & Transportation etc. As per the villager's requirements the company would take care of socio-economic development under Corporate Social Responsibility, Environmental Mitigation measures will be undertaken.

Total cost of the Project is Rs. 250 Lakhs. Proponent has earmarked Rs. 20 Lakhs for Environmental Protection Measures as Capital Cost and Rs. 7.5 Lakhs per annum as recurring cost. Project Proponent reported that there is no Court case pending against the Project.

The Committee, after detailed deliberations, **recommended** the Proposal for environmental clearance for Mining of Limestone for the proposed production capacity of 0.5 million TPA (ROM) of Limestone. Further the Proponent should furnish **(i) Conservation Plan for Schedule-I species duly approved by the Chief Wildlife Warden along with necessary budgetary provision; and (ii) Furnish clarification regarding receipt of EC application from M/s UltraTech against already granted mining lease in favour of M/s Graism with additional specific conditions as:-**

- (i) All top soil available in the lease area should be scrapped and used before rainy season in a already identified green belt area as a measure to conserve germplasm of the top soil;
- (ii) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records

accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities;

- (iii) Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The PP shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing held on 02.08.2014;
- (iv) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forests and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;
- (v) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;
- (vi) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;
- (vii) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and
- (viii) Washing of all transport vehicle should be done inside the mining lease.

Consideration of TOR Proposal

(2.3) Bauxite Mine of M/s Orient Abrasives Ltd. located at Village – Mewasa, Taluka - Kalyanpur District – Jamnagar, Gujarat (25.8798 ha)-TORs

The Proposal was **deferred** as the Project Proponent did not attend the meeting and requested for deferment.

RECONSIDERATION OF TOR PROPOSAL

(2.4) Sand Mining project of M/s Shri Vijay Kumar, Village- Sindhuria, District Sonebhadra, U.P. (14.17 ha) (16667 Tonnes/annum).

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

(2.5) Sand Mining project of M/s Shri Paras, Village- kargara, Tehsil – Robertsganj, District Sonebhadra, U.P. (12.14 ha) (16667 Tonnes/annum).

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

(2.6) Sand Mining project of M/s Ram Gopal, Village- Sindhuria, District Sonebhadra, U.P. (14.17 ha) (16667 Tonnes/annum).

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

Day 1: 30th January, 2015 (Friday)

Consideration of Category 'B' projects

(2.7). Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 MTA of Stone in the Mine Lease Area of 4.8844 ha. by M/s Friends Crushers, located at Kizhuparamba Village & Panchayat, Ernad Taluk, Malappuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)- Consideration of Category 'B' projects.

The proposal of M/s Friends Crushers is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 MTA of Stone in the Mine Lease Area of 4.8844 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 51pt, 47/1pt, 49/2pt, Kizhuparamba Village & Panchayat, Ernad taluk, Malappuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11^o16'05.74" to 11^o15'58.90" and Longitude (E): 76^o01'50.75" to 76^o01'38.23" and is covered by Survey of India Toposheet No. 58A4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application

seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.8844 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.8844 ha lease area, about 4.5844 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.30 ha which is left for stripping limits along the periphery will also be developed. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 16 KLD in which 1 KLD is for domestic which would be sourced from open well, 13 KLD for dust suppression system in mine as well as ancillary unit (Crusher/M sand Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 75 m. MSL (mining will not intersect ground water table level). Ground water table is 3.0 to 20.0 m BGL. Life of mine is 8 years (@2,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. nil dated 14-01-2015 for mining of stone in the MLA of 4.0644 ha. Also, it is informed that the project proponent possess quarrying lease with an area of 0.8200 ha issued by the State Government of Kerala vide letter no. 631/2007-09/8745/M3/2007 dated 27-11-2007. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOM/M-118/15 dated 22-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. DOM/M-3381/2014 dated 19-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 27.02.2012 to 31-03-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in

I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 1.25 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 1.25 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate stating that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers
- (v) The information about existing vegetation and ecological status on the basis scientific survey along with list of RET species.

(2.8). Mining of Building Stone (Minor Mineral) with production capacity of 1,80,000 TPA of Stone in the Mine Lease Area of 4.5827 ha. by M/s Mallelil Industries Pvt. Ltd., located at Village – Konnithazham, Panchayat – Konni, Taluk – Konni (Formerly Kozhencherry), District - Pathanamthitta, Kerala (Consultant -Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Mallelil Industries Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,80,000 TPA of Stone in the Mine Lease Area of 4.5827 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 615/130, 615/54-3, 615/54-3-22, 615/52-1-27-28, 615/52-1-27-28, 615/54-30, 615/61, 615/54-14, 615/54-5-2, 615/54, 615/54-5, 615/1-154, 615/52-1-28, 615/54-14-2, 615-53-1-9, 615/63-3, 615/54-5, 615/54-7, 615/54-14-2, 615/54-8, 615/54-1-34, 615/54-14-1, 615/52-6, 615/54-1-24, 615/54-7-29, 615/54-6, 615/54-1-36, 615/54-1-219, 615/54-1-219, 615/54-16, 615/54-1-43-1 and 615/54-219 falling in Village – Konnithazham, Panchayat – Konni, Taluk – Konni (Formerly Kozhencherry), District- Pathanamthitta, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 09°15'38.11" to 09°15' 27.62" and Longitude (E): 76°51'28.45" to 76°51'19.47" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that “In case of Category ‘B’ projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.5827 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.5827 ha lease area, about 4.5327 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.05 ha which is left for stripping limits along the periphery will also be developed. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 16 KLD in which 1 KLD is for domestic which would be sourced from open well, 13 KLD for dust suppression system in mine as well as ancillary unit (Crusher/M sand Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 28.5 m. MSL (mining will not intersect ground water table level). Ground water table is 3.0 to 6.0 m. BGL. Life of mine is 14 years (@1,80,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 140/DOPTA/M/15 dated 21-01-2015. for mining of stone in the MLA of 2.4279 ha. Also the project proponent possess quarrying lease for an area of 2.1548 ha. by the State Government of Kerala vide letter no. 57/2006-07/3511/M3/2006 dated 03-05-2006. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 140/DOPTA/M/2015 dated 17-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. 2258/DOPTA/M/2014, dated 11-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 27-02-2012 to 31-03-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 5.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 5.0 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**An explanation as to why the proponent continued violation without EC;

- (i) A certificate that the mining operation has been stopped;
- (ii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iii) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.9).Mining of Building Stone (Minor Mineral) with production capacity of 1,80,000 TPA of Stone in the Mine Lease Area of 3.0 ha. by M/s Malleilil Industries Pvt. Ltd., located at Iravon Village, Konni Panchayat, Konni Taluk (formerly Kozhencherry Taluk), Pathanamthitta District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Malleilil Industries Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,80,000 TPA of Stone in the Mine Lease Area of 3.0 ha. The mine is a new Building Stone mining project. The mine is located at Survey Nos. 275/1-50-3, 275/1-50-4, 275/1-50-5, 275/1-50-2, 270/1A2, 275/1-50-2, 275/1-21-69, 275/1-57, 275/1-49, 275/1-52, 275/1-49, 275/1-52, 275/1-10, 276/1-4, 566/1D, 276/1-11, Iravon Village, Konni Panchayat, Konni Taluk (formerly Kozhencherry Taluk), Pathanamthitta District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 09⁰ 13' 59.7" to 09⁰ 13' 52.5" and Longitude (E): 76⁰ 51' 47.8" to 76⁰ 51' 56.8" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that “In case of Category ‘B’ projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.0 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.0 ha lease area, about 1.743 ha area will be excavated and will be reclaimed & plantation will be done and about 0.67 ha will be of water reservoir. The remaining area of 0.58 ha which is left for stripping limits along the periphery will also be developed with plantation and about 0.007 ha will be as drainage. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (proposed Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 80 m MSL (mining will not intersect ground water table level). Ground water table is 2.7 to 7.6 m. BGL. Life of mine is 4 years (@1,80,000 MTA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 139/DOPTA/M/15 dated 21-01-2015 for mining of stone in the MLA of 3.0 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 139/DOPTA/M/2015 dated 17-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. 2257/DOPTA/M/2014 dated 11-12-2014.

The total cost of the project is Rs. 2.50 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 2.5 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations, **recommended the Proposal for environmental clearance for Mining of Building Stone (Minor Mineral) with proposed production capacity of 2,00,000 TPA (ROM) with additional specific conditions:-**

(i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;

(ii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forests and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;

(iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;

(iv) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;

(v) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;

(vi) Washing of all transport vehicle should be done inside the mining lease;

(vii) "Environmental Clearance is subject to final outcome of any Court case relevant to this project in Hon'ble Supreme Court, Hon'ble High Court of Kerala and Hon'ble NGT or any other Court of Law" and

(viii) Project Proponent to carryout vegetation analysis of the area to ascertain endemic and RET (Rare endangered and threatened) species to be affected due to mining and take actions for multiplications and plantation of those species.

(2.10). Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 3.2457 ha by M/s Valakkavu Granites Pvt. Ltd., located at Mulayam Village, Nadathara Grama Panchayat, Thrissur Taluk & District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)- Consideration of Category 'B' projects.

The proposal of M/s Valakkavu Granites Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 3.2457 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 364/16/40, 364/10/42, 364/11/43, 364/16/11, 364/16/27, 364/16/25, 364/16/32, 364/16/8, 364/16/37, 364/16/48, 364/17/18, 364/17/16, 364/16/4/30, 364/16/5/5, 364/16/6/6, 364/16/7/7, 364/16/8/34, 364/16/9/38, 364/21/22P, 364/21P, Mulayam Village, Nadathara Grama Panchayat, Thrissur Taluk & District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 10°31'17.69" to 10°31'10.28" and Longitude (E): 76°18'34.54" to 76°18'25.82" and is covered by Survey of India Toposheet No. 58B4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.2457 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.2457 ha lease area, about 2.8457 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.05 ha which will use for drainage/pond. It was reported by the project proponent that at

the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (M Sand & Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 80 m. MSL (mining will not intersect ground water table level). Ground water table is 0.5 to 5.0 m. BGL. Life of mine is 10 years (@1,20,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 132/C2/TDO/2015 dated 23-01-2015 for mining of stone in the MLA of 3.2457 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 132/C2/TDO/2015 dated 23-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. nil dated 18-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 18-02-2014 to 17-01-2015 without prerequisite environmental clearance** as per the provisions of the EIA Notification, 2006 and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 7.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 7.0 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**An explanation as to why the proponent continued violation without EC;

- (i) The details of waste materials likely to be generated and the quantity of useful construction materials likely to utilized;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;

- (iv) The health status report of workers; and
- (v) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.11).Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 3.3559 ha. by M/s P.V. Granites, located at Moonnilavu Village & Panchayath, Meenachil Taluk, Kottayam District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s P.V. Granites is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 3.3559 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 23/2, 23/2-1, 24, 24/1, 24/2 and 24/3 at Moonnilavu Village & Panchayath, Meenachil Taluk, Kottayam District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 09^o46'06.53" to 09^o48'01.54" and Longitude (E): 76^o48'07.12" to 76^o48'01.49" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.3559 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.3559 ha lease area, about 2.8009 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.555 ha which is left for stripping limits along the periphery will also be developed. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is

about 16 KLD in which 1 KLD is for domestic which would be sourced from open well, 13 KLD for dust suppression system in mine as well as ancillary unit (Crusher/M sand Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 530 m. MSL (mining will not intersect ground water table level). Ground water table is 4.0 to 5.0 m BGL. Life of mine is 4.5 years (@2,00,000 MTA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 92/DOY/ML/2015 dated 02-02-2015 for mining of stone in the MLA of 3.3559 ha. **The Committee noted that the PP has not obtained the approval of Eco-friendly Mining Plan for mining of stone (minor mineral from the Mines and Geology Department of the State Government and was of the view that PP needs to submitted the approved Mining Plan.**

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. nil dated 23-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 27-03-2014 to 09-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 1.05 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 1.05 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) The details of waste materials likely to be generated and the quantity of useful construction materials likely to utilized;
- (iii) A certificate that the mining operation has been stopped;

- (iv) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (v) The health status report of workers;
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan; and
- viii) Approved Ecofriendly mine plan from the State Government.

(2.12).Mining of Masonry Stone (Minor Mineral) with production capacity of 1,25,000 TPA of Stone in the Mine Lease Area of 3.3394 ha by M/s Sunil Kumar S., located at Village & Panchayat – Taluk - Kottarakkara, District - Kollam, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The Proposal was **deferred** as the PP has not prepared the Ecofriendly Mine Plan for mining of minor mineral.

(2.13).Mining of Building Stone (Minor Mineral) with production capacity of 1,60,000 TPA of Stone in the Mine Lease Area of 4.2047 ha. by M/s Avani Metal Crusher, located at Anavoor Village, Kunnathunkal Panchayat, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Avani Metal Crusher is for Mining of Building Stone (Minor Mineral) with production capacity of 1,60,000 TPA of Stone in the Mine Lease Area of 4.2047 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 265/6, 265/9, 266/1, 228/7, 228/20, 227/1-1 pt., 266/8 pt., 266/9 pt., 267/3 pt., 267/4 pt., 267/5 pt., 267/6 pt. , Anavoor Village, Kunnathunkal Panchayat, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 8°25'57.67" to 8°25'47.93" and Longitude (E): 77° 8'22.05" to 77° 8'12.81" and is covered by Survey of India Toposheet No. 58H4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level

Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.2047 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.2047 ha lease area, about 3.6547 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.52 ha which is left for stripping limits along the periphery will also be developed and an area of about 0.03 ha will be of drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 13 KLD for dust suppression system in mine as well as ancillary unit (Crusher/M sand Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 114 m. MSL (mining will not intersect ground water table level). Ground water table is 4.0 to 4.5 m BGL. Life of mine is 8.5 years (@1,60,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. nil dated 24-01-2015 for mining of stone in the MLA of 0.3973 ha. Also, it is informed that the project proponent possess quarrying lease with an area of 3.8074 ha issued by the State Government of Kerala vide letter no. 878/2010-11/1595/M3/2011 dated 22-03-2011. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. nil dated 24-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent reported that there is no quarry operating within 500 m of the proposed mine lease area.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 27-02-2012 to 31-03-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 4.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 4.0 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.14).Mining of Building Stone (Minor Mineral) with production capacity of 1,00,000 TPA of Stone in the Mine Lease Area of 2.6872 ha by Mr. Binu Cherian, located at Village & Panchayat Edayur, Thirur Taluk, Malappuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)- Consideration of Category 'B' projects.

The proposal of Mr. Binu Cherian is for Mining of Building Stone (Minor Mineral) with production capacity of 1,00,000 TPA of Stone in the Mine Lease Area of 2.6872 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 101/5, 101/6, Village & Panchayat Edayur, Thirur Taluk, Malappuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 10°56'06.62" to 10°55'59.42" and Longitude (E): 76°05'04.06" to 76°04'56.83" and is covered by Survey of India Toposheet No. 58B4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or

activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 2.6872 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 2.6872 ha lease area, about 2.5072 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.16 ha which is left for stripping limits along the periphery will also be developed and an area of 0.02 ha will be use of drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 85 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 3.5 m BGL. Life of mine is 10 years (@1,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOM.M.114/2015 dated 21-01-2015. for mining of stone in the MLA of 2.6872 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. nil dated 21-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. DOM/M-3346/2014 dated 16-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 16-01-2014 to 15-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 1.50 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 1.50 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.15).Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.8686 ha by M/s Aaraamam Rock (P) Ltd., located at Nellanad Village & Panchayat, Nedumangadu Taluk, Thiruvananthapuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Aaraamam Rock (P) Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.8686 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 65/1, 3, 5, 6, 7, 10, 12, 13, 74/4, 5, 6, Nellanad Village & Panchayat, Nedumangadu Taluk, Thiruvananthapuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 08⁰42'37.08" to 08⁰42'27.28" and Longitude (E): 76⁰53'55.38" to 76⁰53'45.31" and is covered by Survey of India Toposheet No. 58D4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The

Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.8686 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.8686 ha lease area, about 4.8086 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.06 ha which is left for stripping limits along the periphery will also be developed. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher / M sand Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 95 m. MSL (mining will not intersect ground water table level). Ground water table is 6.0 to 10.0 m BGL. Life of mine is 17 years (@2,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. nil dated 24-01-2015 for mining of stone in the MLA of 3.7436 ha Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. nil dated 24-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent reported that there is no quarry operating within 500 m of the proposed mine lease area.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 31-03-2014 to 09-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 3.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 3.0 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.16).Mining of Building Stone (Minor Mineral) with production capacity of 1,50,000 TPA of Stone in the Mine Lease Area of 3.4589 ha by M/s Raveendra Rock Crushing Plant, located at Ezhumattoor Village & Panchayat, Mallappally Taluk, Pathanamthitta District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Raveendra Rock Crushing Plant is for Mining of Building Stone (Minor Mineral) with production capacity of 1,50,000 TPA of Stone in the Mine Lease Area of 3.4589 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 138/7-2, 137/11, 139/11, 139/6, 138/8, 138/4, 139/3, 139/7-1, 139/7, 139/10, 137/12-2, 137/3, 137/7, 137/9, 137/12-1, 139/2-2, 139/2, 139/4, 139/5, Ezhumattoor Village & Panchayat, Mallappally Taluk, Pathanamthitta District, Kerala. The geographical co-ordinates of the lease area are Latitudes (N): 9°25'54.72" to 9°25'45.88" and Longitudes (E): 76°42'24.74" to 76°42'18.42" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in

the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.4589 ha is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.4589 ha lease area, about 3.3289 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.07 ha which is left for stripping limits along the periphery will also be developed and the remaining area of 0.06 ha will be left as undisturbed. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 82 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 5.0 m BGL. Life of mine is 6 years (@1,50,000 TPA).

Project Proponent has informed that a certificate has been issued as Letter of Intent by the State Government of Kerala vide letter no. 160/DOPTA/M/15 dated 23-01-2015 for mining of stone in the MLA of 3.4589 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 160/DOPTA/M/15 dated 28-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. 2282/DOPTA/M/2014 dated 17-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 02-05-2014 to 09-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 10 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 10 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.17).Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.9286 ha by M/s Ever-One Properties India Pvt. Ltd. located at Neriya Mangalam Village, Kavalangad Panchayat, Kothamangalam Taluk, Ernakulam District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Ever-One Properties India Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.9286 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 186/1A2, 186/1A/4/5, Neriya Mangalam Village, Kavalangad Panchayat, Kothamangalam Taluk, Ernakulam District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 10° 2'9.10" to 10° 1'47.80" and Longitude (E): 76°43'32.27" to 76°43'23.92" and is covered by Survey of India Toposheet No. 58B4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in

the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.9286 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.9286 ha lease area, about 4.3786 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.50 ha which is left for stripping limits along the periphery will be developed and an area of about 0.05 ha will be use for drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 39 m. MSL (mining will not intersect ground water table level). Ground water table is 1.0 to 4.0 m BGL. Life of mine is 8.5 years (@2,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DEO/233/E2/15 dated 23-01-2015 for mining of stone in the MLA of 4.9286 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOE/233/E2/15 dated 24-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent reported that there is no quarry operating within 500 m of the proposed mine lease area.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 27-02-2012 to 31-03-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc. *inter-alia* ordered that leases of minor mineral including their renewal for an area of less than 5 ha will be granted by the States / Union Territories only after getting environmental clearance (EC) from this Ministry.

The total cost of the project is Rs. 3.72 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 3.72 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**An explanation as to why the proponent continued violation without EC;

- (i) The details of waste materials likely to be generated and the quantity of useful construction materials likely to be utilized;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis of scientific survey along with their conservation plan.

(2.18).Mining of Building Stone (Minor Mineral) with production capacity of 1,00,000 TPA of Stone in the Mine Lease Area of 2.8805 ha by M/s R.M. Rocks & Sand Pvt. Ltd., located at Maneed Village & Panchayat, Muvattupuzha Taluk, Ernakulam District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s R.M. Rocks & Sand (P) Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,00,000 TPA of Stone in the Mine Lease Area of 2.8805 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 178/6, 178/7A, 178/7B3, 178/7B2, 178/7B1, 179/1-1, 179/8A1, 179/8A2, 179/8B1, 179/8B2, 179/8B3, 179/8A3, 180/1-1, 180/1-2, 183/2-1 & 180/2-5, Maneed Village & Panchayat, Muvattupuzha Taluk, Ernakulam District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 9°54'58.36" to 9°54'52.42" and Longitude (E): 76°27'27.67" to 76°27'18.04" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental

Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 2.8805 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 2.8805 ha lease area, about 1.2505 ha area will be excavated and will be reclaimed & plantation will be done and about 1.63 ha will be of water reservoir. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 16 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 40 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 10.0 m BGL. Life of mine is 8 years (@1,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOE/238/E2/2015 dated 19-01-2015 for mining of stone in the MLA of 2.8805 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOE/238/E2/2015 dated 23-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. DOE/238/E2/2015 dated 19-01-2015.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 28-03-2014 to 27-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon’ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 6.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 6.0 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Production details since 27.02.2012 and complete information under S.No. 40 of the Annexure including fresh duly filled in Annexure-I;
- (iv) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (v) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.19).Mining of Building Stone (Minor Mineral) with production capacity of 1,25,000 TPA of Stone in the Mine Lease Area of 3.3366 ha by M/s Valiakalathil Rock Crushing Unit located at Pampady Village & Panchayat, Kottayam Taluk, Kottayam District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Valiakalathil Rock Crushing Unit is for Mining of Building Stone (Minor Mineral) with production capacity of 1,25,000 TPA of Stone in the Mine Lease Area of 3.3366 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 431/3-1 pt., 431/3-2 pt., 436/4-1, 436/5, 438/4 pt., 438/5 pt., 438/6 pt., 438/9 pt., Pampady Village & Panchayat, Kottayam Taluk, Kottayam District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 09°32'28.66" to 09°32'19.48" and Longitude (E): 76°40'13.15" to 76°40'04.35" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental

Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.3366 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.3366 ha lease area, about 2.9866 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.31 ha which is left for stripping limits along the periphery will also be developed and an area of 0.04 ha will be of drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 57 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 5.0 m BGL. Life of mine is 6 years (@1,25,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 144/DOY/ML/2015 dated 28-01-2015 for mining of stone in the MLA of 2.6895 ha. Also the project proponent possess quarrying lease for an area of 0.6471 ha by the State Government of Kerala vide letter no. 531/2014-15/10972/M3/2014 dated 04-11-2014. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 144/DOY/ML/2015 dated 28-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. nil dated 15-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 27-02-2012 to 31-03-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 5.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 5.0 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.20).Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.7981 ha by M/s Pynadath Granites Pvt. Ltd., located at Kuttichira Village, Kodassery Panchayath, Chalakudy Taluk, Thrissur District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Pynadath Granites Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.7981 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 2066/1, 2067/2, 2063, 2057, 2056/2, 3, 2067/1, Kuttichira Village, Kodassery Panchayath, Chalakudy Taluk, Thrissur District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 10⁰20'30.35" to 10⁰20'20.94" and Longitude (E): 76⁰26'08.58" to 76⁰25'56.34" and is covered by Survey of India Toposheet No. 58B4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental

Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.7981 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.7981 ha lease area, about 4.1981 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.51 ha which is left for stripping limits along the periphery will also be developed with plantation and an area of about 0.09 ha will be as drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 6 KLD in which 2 KLD is for domestic which would be sourced from open well, 2 KLD for dust suppression system and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 45 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 5.0 m. BGL. Life of mine is 11 years (@2,00,000 MTA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 100/C2/TDO/15 dated 19-01-2015 for mining of stone in the MLA of 4.7981 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 100/C2/TDO/15 dated 22-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. 2992/C2/TDO/2014 dated 10-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 15-02-2014 to 14-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon’ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 2.8007 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 2.80 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.21).Mining of Building Stone (Minor Mineral) with production capacity of 1,50,000 TPA of Stone in the Mine Lease Area of 3.6849 ha by M/s Kottakkal Granite Industries Pvt. Ltd. located at Village & Panchayat Anad, Nedumangad Taluk, Thiruvananthapuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Kottakkal Granite Industries Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,50,000 TPA of Stone in the Mine Lease Area of 3.6849 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 167/3, 167/4, 164/4-1, 167/5-1, 167/6, 167/7, 167/8, 177/2, 177/2-1, 178/1, 178/3-2, 178/5, 178/10, Village & Panchayat Anad, Nedumangad Taluk, Thiruvananthapuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 08°38'02.68" to 08°37'54.35" and Longitude (E): 76°59'07.12" to 76°58'55.77" and is covered by Survey of India Toposheet No. 58D4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or

activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.6849 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.6849 ha lease area, about 3.4649 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.20 ha which is left for stripping limits along the periphery will also be developed and about 0.02 ha area will be of drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 84 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 4.0 m BGL. Life of mine is 9 years (@1,50,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 3363/DOT/ML/2015 dated 08-01-2015 for mining of stone in the MLA of 3.6849 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 3363/DOT/ML/2015 dated 24-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. nil dated 24-01-2015.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 18-06-2014 to 09-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 2.30 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 2.3 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-** -

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.22).Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 2.9302 ha by quarry of Mr. V.K. Benny, located at Kolayad Village & Panchayat, Thalassery Taluk, Kannur District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)- Consideration of Category 'B' projects.

The proposal of Mr. V.K. Benny is for Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 2.9302 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 21/1A1, Kolayad Village & Panchayat, Thalassery Taluk, Kannur District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11°52'11.75" to 11°52'04.16" and Longitude (E): 75°42'55.08 to 75°42'41.60" and is covered by Survey of India Toposheet No. 49M4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in

the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 2.9302 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 2.9302 ha lease area, about 2.1102 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.76 ha which is left for stripping limits along the periphery will also be developed and an area of 0.06 ha will be use of drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 6 KLD in which 2 KLD is for domestic which would be sourced from open well, 2 KLD for dust suppression system and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 65 m. MSL (mining will not intersect ground water table level). Ground water table is 1.0 to 3.0 m BGL. Life of mine is 5 years (@1,20,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOC/M-3722/14 dated 31-12-2014 for mining of stone in the MLA of 2.9302 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOC/M-132/15 dated 21-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. DOC/M-3417/14 dated 05-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 19-12-2013 to 18-12-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 1.0 Crore. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 1 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.23).Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.7072 ha by M/s Kilinakod Rock Products Pvt. Ltd. located at Village & Panchayat Oorakam, Thirurangadi Taluk, Malappuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Kilinakod Rock Products Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.7072 ha. The mine is a new Building Stone mining project. The mine is located at Survey Nos. 24/3 Pt., 25 Pt., Village & Panchayat Oorakam, Thirurangadi Taluk, Malappuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11⁰04'57.19" to 11⁰04'45.30" and Longitude (E): 76⁰00'39.45" to 76⁰00'33.07" and is covered by Survey of India Toposheet No. 58A4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.7072 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.7072 ha lease area, about 4.3572 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.30 ha which is left for stripping limits along the periphery will also be developed with plantation and about 0.05 ha will be as drainage. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 13 KLD for dust suppression system in mine as well as ancillary unit (Crusher / M sand Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 120 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 7.0 BGL. Life of mine is 11 years (@2,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOM/M-113/15 dated 22-01-2015 for mining of stone in the MLA of 4.7072 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOM/M-113/15 dated 22-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. DOM/M-3200/14 dated 04-12-2014.

The total cost of the project is Rs. 1.0 Crore. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 1.0 Lakh per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee deliberated at length and **recommended the Proposal for environmental clearance for Mining of Building Stone (Minor Mineral) with proposed production capacity of 2,00,000 TPA (ROM)**. Further, the Committee also suggested the **following specific conditions:-**

(i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;

(ii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forests and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;

(iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;

(iv) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;

(v) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;

(vi) Washing of all transport vehicle should be done inside the mining lease;

(vii) "Environmental Clearance is subject to final outcome of any Court case relevant to this project in Hon'ble Supreme Court, Hon'ble High Court of Kerala and Hon'ble NGT or any other Court of Law";

(viii) Survey of existing vegetation and ecological status to be made based on scientific survey and RET species conservation plan may be implemented; and

(ix) Land use change permission certificate may be obtained from the concerned Authority.

(2.24).Mining of Building Stone (Minor Mineral) with production capacity of 1,00,000 TPA of Stone in the Mine Lease Area of 2.6565 ha by M/s Safa Stone Crusher, located at Thazhakode Village, Mukkam Panchayat, Taluk & District Kozhikode, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)- Consideration of Category 'B' projects.

The proposal of M/s Safa Stone Crusher is for Mining of Building Stone (Minor Mineral) with production capacity of 1,00,000 MTA of Stone in the Mine Lease Area of 2.6565 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 147/2A2, 149/2B1, Thazhakode Village, Mukkam Panchayat, Taluk & District Kozhikode, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11°20'14.77" to 11°20'08.61" and Longitude (E): 75°58'49.70" to 75°58'41.61" and is covered by Survey of India Toposheet No. 49M4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is

being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that “In case of Category ‘B’ projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 2.6565 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 2.6565 ha lease area, about 2.2065 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.40 ha which is left for stripping limits along the periphery will also be developed and an area of 0.05 ha will be use for drainage. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 27 m. MSL (mining will not intersect ground water table level). Ground water table is 1.0 to 4.0 m BGL. Life of mine is 5 years (@1,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOZ/M-130/15 dated 29-01-2015 for mining of stone in the MLA of 2.6565 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOZ/M-130/15 dated 29-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. nil dated 05-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 11-12-2013 to 10-12-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 0.60 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 0.60 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers; and
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan.

(2.25).Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.74 ha by M/s Pullipadam Metal and Metal Sand Pvt. Ltd. located at Pullipadam Village, Mampad Panchayat, Nilambur Taluk, Malappuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur) -Consideration of Category 'B' projects.

The proposal of M/s Pullipadam Metal and Metal Sand Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 2,00,000 TPA of Stone in the Mine Lease Area of 4.74 ha. The mine is a new Building Stone mining project. The mine is located at Survey No. 1 pt., Pullipadam Village, Mampad Panchayat, Nilambur Taluk, Malappuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11⁰15'00.91" to 11⁰08'51.54" and Longitude (E): 76⁰08'57.28" to 76⁰08'48.02" and is covered by Survey of India Toposheet No. 58A4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that “In case of Category ‘B’ projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project.” The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.74 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.74 ha lease area, about 4.39 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.33 ha which is left for stripping limits along the periphery will also be developed with plantation and an area of about 0.02 ha will be as drainage/pond. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 102 m MSL (mining will not intersect ground water table level). Ground water table is 0.6 to 3.5 m BGL. Life of mine is 15 years (@2,00,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 3437/14 dated 31-12-2014 for mining of stone in the MLA of 4.74 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOM/M-99/2015 dated 16-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. nil dated 03-12-2014.

The total cost of the project is Rs. 1.0 Crore. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection

measures. Minimum an amount of Rs. 1 Lakh per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended the Proposal for environmental clearance for Mining of Masonry Stone (Minor Mineral) with proposed production capacity of 2,00,000 TPA (ROM)**. Further, the Committee also suggested the following specific conditions:-

(i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;

(ii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forests and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;

(iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with Pucc only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;

(iv) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;

(v) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;

(vi) Washing of all transport vehicle should be done inside the mining lease;

(vii) "Environmental Clearance is subject to final outcome of any Court case relevant to this project in Hon'ble Supreme Court, Hon'ble High Court of Kerala and Hon'ble NGT or any other Court of Law"; and

(viii) Survey of existing vegetation and ecological status to be made based on scientific survey and RET species conservation plan may be implemented.

(2.26).Mining of Building Stone (Minor Mineral) with production capacity of 1,90,000 TPA of Stone in the Mine Lease Area of 4.7065 ha by M/s Edathadan Granites Pvt. Ltd. located at Kodassery Village, Mattathur Panchayat, Ombathungal Desam, Chalakudy Taluk, Thrissur District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Edathadan Granites Pvt. Ltd. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,90,000 TPA of Stone in the Mine Lease Area of 4.7065 ha. The mine is a new Building Stone mining project. The mine is located at Survey Nos. 1270/4, 1270/5, 1270/7, 1270/8, 1271/2, 1271/3, 1271/4, 1273/1, 1273/2, 1272/1, Kodassery Village, Mattathur Panchayat, Ombathungal Desam, Chalakudy Taluk, Thrissur District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 10⁰21'54.16" to 10⁰21'43.68" and Longitude (E): 76⁰21'37.84" to 76⁰21'29.53" and is covered by Survey of India Toposheet No. 58B4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.7065 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.7065 ha lease area, about 4.6265 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.08 ha which is left for stripping limits along the periphery will also be developed with plantation. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 52 m. MSL (mining will not intersect ground water

table level). Ground water table is 0.5 to 5.0 m BGL. Life of mine is 13 years (@1,90,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 99/C2/TDO/2015 dated 19-01-2015 for mining of stone in the MLA of 4.7065 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 99/C2/TDO/2015 dated 23-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. 2958/C2/TDO/2014 dated 05-12-2014.

The total cost of the project is Rs. 3.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 3.0 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee deliberated at length the information submitted by Project Proponent and **recommended the Proposal for environmental clearance for Mining of Building Stone (Minor Mineral) with proposed production capacity of 1,90,000 TPA (ROM) subject to details of production since 27.2.2012.** Further, the Committee also suggested the following stipulations:-

(i) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented;

(ii) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forests and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry;

(iii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project

should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres;

(iv) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis in consultation with Regional Director, Central Groundwater Board and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board;

(v) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured;

(vi) Washing of all transport vehicle should be done inside the mining lease; and

(vii) "Environmental Clearance is subject to final outcome of any Court case relevant to this project in Hon'ble Supreme Court, Hon'ble High Court of Kerala and Hon'ble NGT or any other Court of Law".

However, the Committee observed that there are four leases of the PP adjacent to the proposed mine which are working without EC. The Committee sought details of production and reasons of violating the provisions of the EIA Notification, 2006.

(2.27). Mining of Building Stone (Minor Mineral) with production capacity of 1,60,000 TPA of Stone in the Mine Lease Area of 3.9662 ha by Mr. Nizamudheen K.S. located at Thirumarady Village & Panchayat, Muvattupuzha Taluk, Ernakulam District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)- Consideration of Category 'B' projects.

The proposal of Mr. Nizamudheen K.S. is for Mining of Building Stone (Minor Mineral) with production capacity of 1,60,000 TPA of Stone in the Mine Lease Area of 3.9662 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 567/1-2, 567/2B2, 568/1-1, 568/2-2, 569/1-3, 569/1-5, 567/2A, 567/2B1, Thirumarady Village & Panchayat, Muvattupuzha Taluk, Ernakulam District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 09^o55'28.50" to 09^o55,21.57" and Longitude (E): 76^o33'45.62" to 76^o33'34.34" and is covered by Survey of India Toposheet No. 58C4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level

Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.9662 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.9662 ha lease area, about 3.0662 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.90 ha which is left for stripping limits along the periphery will also be developed. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 5 KLD in which 1 KLD is for domestic which would be sourced from open well, 2 KLD for dust suppression system in mine and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 90 m. MSL (mining will not intersect ground water table level). Ground water table is 3.0 to 6.0 m BGL. Life of mine is 12 years (@1,60,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOE/234/E2/15 dated 17-01-2015 for mining of stone in the MLA of 3.9662 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOE/234/E2/15 dated 21-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. DOE/5543/E2/14 dated 03-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 17-05-2014 to 16-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 2.25 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 2.25 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers;
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan; and
- viii) Details of CSIR Plan for improving the livelihood status of the surrounding population.

(2.28).Mining of Building Stone (Minor Mineral) with production capacity of 1,60,000 TPA of Stone in the Mine Lease Area of 4.0 ha by Mr. C.G. George located at Kolavallur Village, Kunnothuparamba Grama Panchayat, Thalassery Taluk, Kannur District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of Mr. C.G. George is for Mining of Building Stone (Minor Mineral) with production capacity of 1,60,000 TPA of Stone in the Mine Lease Area of 4.0 ha. The mine is an existing Building Stone mining project. The mine is located at Survey Nos. 86/2, 87, 88/2, 88/3, 88/1, 89/2B, 147/2, 139/1 Kolavallur Village, Kunnothuparamba Grama Panchayat, Thalassery Taluk, Kannur District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11^o46'48.36" to 11^o46'37.93" and Longitude (E): 75^o37'25.27" to 75^o37'15.50" and is covered by Survey of India Toposheet No. 49M4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or

activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 4.0 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 4.0 ha lease area which will be excavated and will be reclaimed & plantation will be done. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 70 m. MSL (mining will not intersect ground water table level). Ground water table is 1.0 to 3.0 m BGL. Life of mine is 13 years (@1,60,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. DOC/M-133/15 dated 21-01-2015 for mining of stone in the MLA of 3.4081 ha. Also the project proponent possess quarrying lease for an area of 0.5919 ha. by the State Government of Kerala vide letter no. 664/2004-05/422/M3/05 dated 13-01-2005. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOC/M-133/15 dated 21-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. DOC/M-3406/14 dated 04-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 **and the Committee noted that it is a case of violation as the mining has been done during 27-02-2012 to 31-03-2014 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 4.0 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 4.0 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers;
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan and
- viii) Details of CSIR Plan for improving the livelihood status of the surrounding population.

(2.29).Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 3.1542 ha by Mr. V.P. Shareef located at Payyanad Village, Manjeri Municipality, Ernad Taluk, Malappuram District, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of Mr. V.P. Shareef is for Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 3.1542 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 413/4A Pt., Payyanad Village, Manjeri Municipality, Ernad Taluk, Malappuram District, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 11⁰07'28.17" to 11⁰07'21.26" and Longitude (E): 76⁰10'17.51" to 76⁰10'06.63" and is covered by Survey of India Toposheet No. 58A4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is not required. The EAC viewed that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or

activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.1542 ha which is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.1542 ha lease area, about 2.9042 ha area will be excavated and will be reclaimed & plantation will be done. The remaining area of 0.23 ha which is left for stripping limits along the periphery will be developed and an area of 0.02 ha will be use of drainage. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 15 KLD in which 1 KLD is for domestic which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 2 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 65 m. MSL (mining will not intersect ground water table level). Ground water table is 2.0 to 4.5 m BGL. Life of mine is 10 years (@1,20,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 3435/2014 dated 31-12-2014 for mining of stone in the MLA of 3.1542 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. DOM/M-116/15 dated 22-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. There is no quarry operating within 500 m. of the proposed mine lease area which is duly authenticated by the Mining Department of the State Govt. vide letter no. DOM/M-3221/14 dated 05-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 17-03-2014 to 09-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 4.5 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. Minimum an amount of Rs. 4.5 Lakhs per annum has been earmarked

towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers;
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan; and
- viii) Details of CSIR Plan for improving the livelihood status of the surrounding population.

(2.30).Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 3.0352 ha by M/s Blue Mountain Granites located at Village – Vellikulangara, Panchayat – Mattathur, Taluk – Chalakudy, District- Thrissur, Kerala (Consultant - Enkay Enviro Services Pvt. Ltd., Jaipur)-Consideration of Category 'B' projects.

The proposal of M/s Blue Mountain Granites is for Mining of Building Stone (Minor Mineral) with production capacity of 1,20,000 TPA of Stone in the Mine Lease Area of 3.0352 ha. The mine is an existing Building Stone mining project. The mine is located at Survey No. 1982 falling in Village – Vellikulangara, Panchayat – Mattathur, Taluk – Chalakudy, District- Thrissur, Kerala. The geographical co-ordinates of the lease area are Latitude (N): 10⁰21'57.69" to 10⁰21'49.02" and Longitude (E): 76⁰25'09.87" to 76⁰25'04.05" and is covered by Survey of India Toposheet No. 58B4. This is a category "B" project as the tenure of SEIAA, Kerala has expired and the proposal is being examined in the MoEF&CC. Project Proponent has informed that there is no pending application with SEIAA/SEAC for this proposal.

The Committee was informed by Project Proponent that they have submitted Form-1 and Pre-feasibility Report online treating the project as B category as per the EIA Notification, 2006. Environmental Impact assessment as well as Public Consultation is are not required. The EAC noted ~~viewed~~ that these prescribed exemptions and recommendations are based on provisions of the EIA Notification, 2006 vide para Clause 7.0 sub clause 7(i) I under stage (1) – Screening it provides that "In case of Category 'B' projects or activities, this stage will entail the scrutiny of an application seeking prior Environmental Clearance made in Form-1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an

Environmental Impact Assessment (EIA) for its appraisal prior to the grant of Environmental Clearance depending up on the nature and location specificity of the project." The Committee felt that TOR is not required, nor any formal EIA/ EMP is to be prepared in the instant case nor any Public Hearing is to be conducted in light of negligible impact of the Project activity on Environment.

The total Mining Lease area of 3.0352 ha is private land. No forest land is involved. Mining will be carried out through semi-mechanized open-cast method using drilling, blasting of small diameter holes and loading of mineral by tyre mounted excavator. Out of the total 3.0352 ha lease area which will be excavated and will be reclaimed & plantation will be done. It was reported by the project proponent that at the conceptual stage, total waste material will be sold to road construction vendors. The estimated total water requirement is about 17 KLD in which 2 KLD is for domestic use which would be sourced from open well, 12 KLD for dust suppression system in mine as well as ancillary unit (Crusher Unit) and 3 KLD for plantation purposes and will be sourced from storm water pond. Ultimate working depth is 40 m MSL (mining will not intersect ground water table level). Ground water table is 0.5 to 5.0 m BGL. Life of mine is 13 years (@1,20,000 TPA).

Project Proponent has informed that a certificate issued as Letter of Intent by the State Government of Kerala vide letter no. 127/C2/TDO/15 dated 21-01-2015 for mining of stone in the MLA of 3.0352 ha. Eco-friendly Mining Plan for mining of stone (minor mineral) has been approved by Mines and Geology Department of the State Government vide letter no. 127/C2/TDO/15 dated 22-01-2015.

Project Proponent reported that there is no National Park, Wild Life Sanctuary, Habitat for Migratory Birds, Tiger Reserve, Elephant Reserve, Bio-sphere Reserve located within 10 km radius of the mine lease. Project Proponent has informed that the mine site is not located in the Critically Polluted area as identified by CPCB etc. Project Proponent has submitted the details of other mines including lease area located within 500m of the mine lease area duly authenticated by the Mining Department of the State Govt. vide letter no. 2954/C2/TDO/2014 dated 17-12-2014.

Project Proponent has submitted the Year wise production details of minerals since 27.02.2012 and **the Committee noted that it is a case of violation as the mining has been done during 28-11-2014 to 09-01-2015 without prerequisite environmental clearance as per the provisions of the EIA Notification, 2006** and as per the Order of Hon'ble Supreme Court vide its judgment dated 27.02.2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. etc.

The total cost of the project is Rs. 0.90 Crores. The Project Proponent has earmarked Rs 9 Lakhs per annum as recurring cost towards Environmental protection measures. A Minimum amount of Rs. 0.90 Lakhs per annum has been earmarked towards Socio-economic Welfare measures for the nearby village. Proponent has informed that there is no court case /litigation pending against the project.

The Committee after detailed deliberations concluded that the operation of the **project continued without valid EC. The Committee sought the following additional information:-**

- (i) An explanation as to why the proponent continued violation without EC;
- (ii) A certificate that the mining operation has been stopped;
- (iii) Certificate from Authority concerned about location of any other mining lease in operation within 500 meter;
- (iv) The health status report of workers;
- vii) The information about existing vegetation and ecological status on the basis scientific survey along with their conservation plan; and
- viii) Details of CSIR Plan for improving the livelihood status of the surrounding population.

CONSIDERATION OF TOR PROPOSAL

(2.31). Laterite Mine of M/s S. Sobhan Babu located at Village- Velangi, Mandal-Sankavaram, District East Godavari, Andhra Pradesh (54.233ha).

The Mine Lease area is located in Unsurveyed Hill Portion Avelthi H/o Velangi (V) Sankavaram (M) East Godavari District of Andhra Pradesh. The Mine Lease area has a Latitudes in between 17°26'36.79" to 17°27'25.26"N and Longitudes in between 82°17'26.9" to 82°18'14.7"E. The mine will be operated by open cast semi mechanized mining by using heavy capacity ripper dozer and no blasting is proposed. The proposed production is 5,50,000 tons of laterite per year. The lessee, had applied for grant of mining lease for Laterite over an extent of 54.233 Hectares in Unsurveyed Hill Portion of Government waste land located at Avelthi H/o Velangi (V) Sankavaram (M) East Godavari District of Andhra Pradesh. Based on the recommendation of the Director of Mines and Geology, the Government of Andhra Pradesh have proposed to grant Mining lease for laterite vide G.O. M.S. No: 196 / MIII/2008-1, dated: 12.08.2009. The mining plan was approved by Zonal Joint Director of Mines & Geology, Govt. of A.P. and their approval letter no. 128/M/2009 Dated 27/05/2009.

The proposal was earlier considered by the Reconstituted Expert Appraisal Committee in its Meeting held during 26-27 October 2009 for determination of TOR. The TOR to the project were prescribed on 06.11.2009 vide letter no. J-11015/261/2009.IA-II (M). The project proponent could not submit the EIA/EMP report as public hearing was not conducted by the State Government. On expiry of TOR project proponent applied afresh for TOR.

The PP reported that there are no National Parks, Wildlife sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserves etc. within the

Minutes of 30th EAC Meeting held during January 29-30, 2015 Page **55** of **77**

study area (10 km radius of Mining Lease boundary). The water requirement for the proposed mining activity will be for Dust suppression purpose: 40 KLD, Domestic purpose: 1.0 KLD and Greenbelt purpose: 9 KLD. It is anticipated that no sub grade material will be generated. It is reported by the project proponent that there is no court case / litigation pending against the project. The estimated cost of the Project is Rs. 100 lakhs.

The Committee after detailed discussion recommended for the TOR as per **Annexure-I**.

(2.32). Colour Granite Mine of M/s PSR Granites Private Limited located at Village- Baddipally, Mandal- Karimnagar, district- Karimnagar, Telangana (1.240 ha).

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

RECONSIDERATION OF EC PROPOSAL

(2.33). Iron Ore Beneficiation Plant of M/s Divyajyothi Steel Ltd., village Taranagar Sandur Taluk, Distt Bellary, Karnataka (20.48ha) (Iron Ore Beneficiation of 0.6 MTPA throughput pelletization of 0.4 MTPA throughput) (Global Environment & Mining Services).

The Proposal was **deferred** as the Project Proponent did not attend the meeting and also no document was circulated to the Members by PP.

(2.34). Pachayra Sand Mining in River Yamuna of M/s Arvind Dhawan Budh Singh located at Village-Pachayara, Tehsil-Ghaziabad, District Ghaziabad, U.P. (8.91ha)(1.6 lakh TPA)(Consultant: Grass Roots Research & Creation India (P) Ltd.)

The proposal is for opencast Sand Mining with proposed production of 1,60,000 TPA located at Village: Pachayra, Tehsil: Ghaziabad, District Ghaziabad, Uttar Pradesh. The co-ordinates are: Latitudes: 28°47'55.035" N to 28°47'34.707" N and Longitudes: 77°12'25.998" E to 77°12'24.464" E.

The proposal was considered by the Expert Appraisal Committee in its meeting held on 15th May, 2013 to determine the Terms of Reference (TOR) for undertaking detailed EIA study. The TORs were issued by MoEF vide letter no. J-11015/99/2013-IA.II (M) dated 31st July, 2013. The proponent submitted its application for seeking environmental clearance after conducting public hearing to the Ministry on 19th September, 2014.

The lease was granted to Mr Arvind Dhawan & Mr. Budh Singh on 25.07.2005 for a period of three years. However, mining was stopped for a period of 322 days, for which lessees has appealed to consider the fact and to provide the lapse period for mining. District Magistrate, Ghaziabad vide letter dated 10.10.2012 has granted the lapse period of 322 days to the lessee w.e.f. 10.10.12.

The mine plan is approved by Directorate of Geology and Mining, U.P dated 17.06.2014. The entire mine lease area lies on the river bed. The mining process is opencast river bed mining of minor minerals. Before the mining process, lease area will be demarcated with wooden planks. Mining is proposed to be carried out in semi mechanized method i.e. excavation will be done manually but excavators will be used for loading purpose. Permission for this has been granted by Directorate General of Mines Safety, Ghaziabad region, Ghaziabad, vide Letter No. S29024/GR/UP/GZB/0001/ PERM/413 dated 04.02.2013. 50 m of width of the river for bank protection & 10 m from the stream flow as stability zone. Drilling and blasting is not required. During the entire lease period, the deposit will be worked from the top surface to 1.5 m bgl or above the ground water level whichever comes first.

No solid waste will be generated during mining as the entire material is saleable. Total water requirement of the area is 1.66 KLD. Water will be obtained from the nearby area from the nearby sources. At no point of time, mining will intersect with ground water level. It was reported by the PP that there is no protected area located within the 10 km radius of the mine.

Baseline studies were carried out during winter season 2013-2014 (October, 2013 to December, 2013). The public consultation for this project was held on 10th July, 2014 at village- Pachayra, Tehsil-Ghaziabad, Dist- Ghaziabad. Action plan with budgetary provision for the points raised during Public Hearing are incorporated in the Project Report. The cost of the project is Rs 25 Lakhs and Rs 5.3 lakh (Capital) is allotted for EMP implementation.

The proposal was considered by the EAC in its meeting held during November 24-25, 2014. Based on the presentation made and discussions held, the Committee desired that the Proponent shall furnish the following information/clarification for further consideration by the Committee:-

- (i) The lease deed documents shall be submitted the clarification may be submitted about the validity of lease as Collector has granted the lapse period of 322 days to the lessee w.e.f. 10.10.12.
- (ii) The issues related to the disaster management and safety shall be addressed.
- (iii) Mine site is located in the critically polluted area, therefore; comments of SPCB shall be provided with respect to location of mine site and its impact on the pollution load of the area.
- (iv) The mine site is located in the CPA however, the value of PM10, SOx, NOx are very low. An explanation on this shall be provided.

- (v) One month baseline data shall be collected and reports shall be submitted.
- (vi) Revised Questionnaire shall be submitted.
- (vii) The Public Hearing was attended by only one person and action plan talks about the allocation of Rs. 50,000 for channelization of the river. An explanation shall be provided.
- (viii) Legible public hearing proceeding in English language shall be submitted.

On submission of information the proposal was considered in the present meeting. The PP submitted that the PP is eligible for mine lease renewal for the period of 3 years as per the present mining policy of U.P. Government. PP informed that project may have risk of flash floods and an affidavit was submitted stating that a regular link with the district disaster management authority will be maintained to keep a proper mechanism of communication. The PP informed that mine site is located 5.71 km away from identified CPA. One month baseline data for the month of December, 2014 was submitted and it was explained that the values of PM₁₀, SO_x, NO_x were very low as the monitoring stations were located in residential area covered with approx. 70% green/open area and are far away from the main commercial and industrial area of Delhi and Ghaziabad. The revised questionnaire was submitted and it was informed that Public Hearing was attended by 31 persons. Attendance sheet of the Public hearing was submitted along with the legible proceedings in English language.

After detailed discussion, the committee noted that CPCB/ SPCB are yet to confirm the location with respect to project falling in CEPI area and that in view of Moratorium continuing in Gaziabad District, certificate from CPCB is required to be furnished by the proponent.

EAC also recommended the proposal subject to submission of Certificate from CPCB about location of the project and with additional specific condition to submit action plan for reducing Air pollution in and around the periphery of mine lease area as present AAQ level is exceeding the annual average standard for PM 10 and PM 2.5.

(2.35) Ongole Magnetite Deposits (ML area 529.04 ha) and iron ore beneficiation of 5.0 MTPA with a through put of 1.35 MTPA of concentrate of M/s A.P. Mineral Development Corp. Ltd at village Konijedu and Marlapadu, Mandal Ongole in District Prakasam in Andhra Pradesh (Consultants Bhagavathi Ana Labs Ltd, Hyderabad)

The proposal is for mining of 5.0 TPA of Magnetite Ore Mining and Ore beneficiation of 5.0 MTPA through put to obtain 1.35 MTPA of concentrate of M/s A.P. Mineral Development Corp. Ltd at village Konijedu and Marlapadu, Mandal Ongole in District Prakasam in Andhra Pradesh. The Latitudes and Longitudes of the site are N 15⁰ 26' 06.453" to N 15⁰ 27' 36.549" and E 79⁰ 57' 46.643" to E 80⁰ 00' 02.375".

The Terms of the Reference for the Project was issued by Ministry vide Letter No J-11015/257/09-IA.II (M) dated 6th November 2009. The mine lease area is 529.04 ha which is Government waste land. There is no forest land in the lease area. The mining plan for the project is approved by IBM vide letter No. MP/AP/PKSM/Magnetite – 194-SZ dated 03.03.2009. It is reported by the Project Proponent that mine is proposed for a maximum annual production of 5.0 MTPA. The mined out material will be beneficiated to obtain 1.35 MTPA of Beneficiated Concentrate. It is proposed to work this deposit by opencast mechanised mining method using drilling and blasting using blast hole drills, hydraulic excavators and heavy duty rear tipping trucks as major mining equipment. The area forms part of the coastal plains at an elevation of 15.2 m above MSL and rises to the heights upto 135 m MSL. A statutory barrier of 7.5 m is considered inside and around the lease area applied for as per MMR. The top soil encountered, if any, will be stacked separately and utilized for afforestation purposes.

Life of the mine is around 18-20 years. The water requirement is estimated as 222 m³/hr (Make up water requirement, which will be sourced from Gundlakamma Reservoir. Total Geological Reserves are 71.18 million tonnes and Mineable Reserves: 63.32 million tonnes. Conceptual mine development will be carried out in 137.65 ha. A total of 10.56million m³ + 6.81 million tons of tail cakes waste will be handled during life of mine. The waste generated during first five years will be dumped initially and subsequently it will be used for backfilling of mined out pits after 5 years. The mining activities will not intersect ground water table.

It was reported by the PP that there is no wildlife sanctuary/tiger reserve/national park, etc within the 10 km radius area around the mine lease. As per the survey carried out there are no Schedule – I species in the study area. Baseline studies were carried out during summer 2010 and during winter season 2013–14 (Dec 2013– Feb 2014). All the parameters for air, water, and noise quality were within prescribed standards. The Public Hearing for the proposed mine was scheduled on 04.02.2011 but the villagers did not attended the meeting and boycotted the public hearing. The public hearing was re-scheduled on 17.12.2011, the villagers opposed the public hearing. Only the views of Sri Sunanda Reddy were recorded who raised the issues related to demand for increase of green belt area, CSR funds, minimize the damage to ground water. A court case was filed by villagers in Hon'ble High Court of Andhra Pradesh vide WP no. 5959 of 2012, the case was disposed off vide order dated 06.03.2012 with advise to approach NGT, Chennai Bench.

The cost of the project is Rs. 515 Crores. Capital budget for environmental protection measures is Rs. 61 lakhs and recurring cost is Rs. 31 lakhs. CSR cost: (Capital Rs: 25.00 lakh + Recurring Rs. 15.00 lakh)

The proposal was considered for environmental clearance in the EAC meeting held during December 19-21, 2012 wherein Committee sought additional information on following:

1. All the coordinates of the Project area would be reconciled forthwith and the correct ones furnished to MoEF for their record.
2. Efforts would be made to further reduce water consumption in the production process and a detailed quantified note on such conservation measure submitted to MoEF within the next three months.
3. Possible contamination of groundwater by the stored tailing in the two ponds would be kept under constant surveillance and remedial measures initiated if so called for.
4. Possible health impacts such as silicosis due to dust would also be guarded against and periodic Reports on occupational health submitted as required.

On receipt of information the proposal was placed in the meeting held during June 26th-28th, 2013. During the discussion, it was observed that co-ordinates mentioned in mine plan and EIA report were not yet rectified. With respect to the query raised in the previous meeting, it was informed by the project proponent that water reduction for activities was not possible. The proposal was deliberated and the Committee was not convinced on the information provided by the PP and thus was of the view that the project proponent need to address the issues in a pragmatic manner and thus information may be re-submitted:

- (i) All the coordinates of the Project area would be reconciled forthwith and the correct ones furnished to MoEF for their record.
- (ii) In order to reduce the water consumption in the production process, a detailed quantified note on such conservation measure should be submitted.
- (iii) The remedial measures suggested for contamination of groundwater by the stored tailing should be comprehensive and details like material used for impermeable membrane, etc. should be incorporated in the plan.
- (iv) Budget allocation for the occupational health measures shall be mentioned.

On submission of information the proposal was re-considered in the EAC meeting held during October 27-28, 2014. The PP submitted that:

- (i) Coordinates of the Project Area are reconciled and certified by Department of Mines & Geology, Government of Andhra Pradesh vide Lr no 37662/R3-1/2013 dated 25.09.2013.
- (ii) To reduce the water consumption in the production process following measures will be adopted:

- (a) The Filter Press Machine will be used to process the thickener underflow to recover maximum extent of the water from the tailings.

- (b) The Filter Press machines recovers approximately 80 to 83% of water from Thickener under flow and the tailing comes out in form of cakes; thus eliminating generation of any slurry tailings.
- (c) This also eliminates requirement of huge tailing pond and the dams to create this pond.
- (d) Measurement & Monitoring of Water addition and recovery will be carried out by Automatic Control System (PLC).
- (e) The previous make up water requirement was 608 m³/ hour. The revised make up water requirement with addition of filter press technology will be 222 m³/ hour. The water saving due to filter press technology will be 386 m³/ hour.

(iii) Possible contamination of groundwater by the stored tailing in the two ponds would be kept under constant surveillance and remedial measures will be initiated if so called for.

(iv) A detailed plan for prevention of silicosis due to dust was submitted by the PP and it was informed that a Committee will be constituted for Maintaining OH&S in the Organization.

Based on the information submitted by the Proponent and discussion held in the meeting, the Committee sought following information:

- (i) Status of Court case pending in NGT Chennai filed by the villagers as per direction of Hon'ble High Court AP.

On submission of information proposal was considered in the present meeting, the PP informed that no case is pending in NGT, Chennai bench against the PP. It was informed that the petitioners have neither approached nor filed any appeal in NGT, Chennai Bench for their redressal. National Green Tribunal Southern Zone, Chennai through their letter no. NGT/CB/28/2014/2125 dated 28.11.2014 informed that, as per their registers available no appeal against the Order dated 06.03.2012, in W.P. No. 5950/2012 of the High Court of Andhra Pradesh is seen filed in this tribunal, since the NGT bench Chennai started functioning from October 2012.

Based on the information submitted, presentation made by the Proponent, and discussions held, the Committee **recommended** the proposal for environmental clearance with additional specific conditions:

- (i) To reduce the water consumption in the production process following measures shall be adopted:
 - (a) The Filter Press Machine proposed to be used to process the thickener underflow to recover maximum extent of the water. The water from the tailings shall be recirculated in the process and zero discharge

scheme shall be adopted. The make up water requirement with addition of filter press technology should be 222 m³/ hour.

- (b) Measurement & Monitoring of Water addition and recovery should be carried out by Automatic Control System (PLC).

(ii) Monthly monitoring on possible contamination of groundwater due to two tailing ponds should be done and project should maintain constant surveillance and remedial measures should be initiated as required.

(iii) Regular monitoring of workers with respect to OH&S for prevention and control of silicosis.

(2.36). Bangur Chromite Mining Project of M/s the Orissa mining Corporation Limited located at village(s) Bangur, Dhanurjapur and Kusatikri, Tehsil Hatadihi, District Keonjhar, Orissa. (139.94ha)(Consultant: SENES Consultants India Pvt. Ltd)

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

3.1 Any other matter with permission of Chair:

The Committee deliberated on the proposed standardization of TOR for Mining and Beneficiation project and suggested following TOR. However, further improvement may be done as suggested by members and TORs may be finalized in next meeting:

STANDARDIZATION OF TOR FOR BENEFICIATION:

1. The alternate sites considered, the relative merits and demerits and the reasons for selecting the proposed site.
2. Details of the technology and process involved in the project.
3. Location of the proposed plant w.r.t. the source of raw material and mode of transportations of the ore from mines to the beneficiation plant.
4. Treatment of run of from the fines/waste dump.
5. Estimation of the fines going into the washings and its management.
6. Details of the equipment, settling pond etc.
7. Detailed material balance to be provided.
8. Source of raw material and its transportation. Steps proposed to be taken to protect the ore from getting air borne.
9. Management and disposal of tailings and closure plan of the tailing pond, if any, after the project is over.
10. The water requirement for the project, its availability and source to be furnished. A detailed water balance should also be provided. Fresh water requirement for the project should also be indicated.
11. A copy of the document in support of the fact that the Proponent is the rightful lessee of the unit should be given.

12. All documents including EIA and public hearing should be compatible with one another in terms of the production levels, waste generation and its management and technology and should be in the name of the lessee.
13. All corner coordinates of the area, superimposed on a High Resolution Imagery/toposheet 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).
14. Does the company have 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.
15. Issues relating to Safety should be detailed. The proposed safeguard measures in each case should also be provided.
16. The study area will comprise of 10 km zone around the plant.
17. Cumulative impact study of both beneficiation plant with suggested mitigation measures as per the study.
18. Railway siding and its location with handling capacity and safety measures.
19. Option to provide only silo for storage of minerals instead to open stacking to avoid fugitive dust.
20. 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 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.
21. Details of the land for any Over Burden Dumps outside the lease, such as extent of land area, distance from lease, its land use, R&R issues, if any, should be given.
22. 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.
23. 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.

24. 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.
25. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
26. A study shall be got done to ascertain the impact of the 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.
27. 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 under the Wildlife (Protection) Act, 1972 and copy furnished.
28. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the lease)] shall be carried out. Details of flora and fauna, 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 schedule-I fauna found in the study area, the necessary plan for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost. The Conservation Plan for Schedule-I species shall be approved by the Chief Wildlife Warden of the State Government.
29. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Dept. Should be secured and furnished to the effect that the proposed activities could be considered.
30. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL. HTL, CRZ area, location of the lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
31. 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 located in the lease area will be shifted or not. The issues relating to shifting of Village including their R&R and socio-economic aspects should be discussed in the report.

32. One season (non-monsoon) primary baseline data on ambient air quality (PM10, SO2 and NOx), 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 lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
33. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
34. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the project.
35. 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.
36. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
37. 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.
38. 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.
39. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
40. 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.
41. 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.
42. 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. 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 the pollution.

43. 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.
44. Details of the onsite shelter and facilities to be provided to the workers should be included in the EIA report.
45. 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.
46. 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.
47. 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.
48. 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.
49. Detailed environmental management plan 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.
50. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
51. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
52. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
53. Provide a brief background of the project, financial position, group companies and legal issues etc.; past and current important litigations.
54. Provide information in Survey of India Toposheet in 1:50000 scale indicating geological map of area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies and rivers and soil characteristics.

55. In addition to providing wildlife and Schedule-I Species include data on endangered, endemic and RET Species of plants in the study area.
56. Details about the land proposed for mining with information as to whether mining conforms to the prescriptions of land use policy of the State ; land diversion for mining to have approval from State land use board or concerned authority.

STANDARDIZATION OF TOR FOR MINING

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 and mining technology 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 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. Does the company have 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.
6. 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.
7. 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.
8. 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.

9. 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.
10. 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.
11. 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.
12. 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.
13. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
14. 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.
15. 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 under the Wildlife (Protection) Act, 1972 and copy furnished.
16. 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, 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 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.
17. 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.
18. 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).

19. 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 located in the mine lease area will be shifted or not. The issues relating to shifting of Village including their R&R and socio-economic aspects should be discussed in the report.
20. One season (non-monsoon) primary baseline data on ambient air quality (PM10, SO2 and NOx), 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 PM10, particularly for free silica, should be given.
21. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
22. 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.
23. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
24. 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.
25. 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.
26. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

27. 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.
28. 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.
29. 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. 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 the pollution.
30. 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.
31. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA report.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. Detailed environmental management plan 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.

38. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
40. The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
41. Provide information in Survey of India Toposheet in 1:50000 scale indicating geological map of area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies and rivers and soil characteristics.
42. In addition to providing wildlife and Schedule-I Species include data on endangered, endemic and RET Species of plants in the study area.
43. Details about the land proposed for mining with information as to whether mining conforms to the prescriptions of land use policy of the State ; land diversion for mining to have approval from State land use board or concerned authority.

The Meeting ended with thanks to the Chair.

Annexure-I

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 and mining technology 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 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. Does the company have 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
1. 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.

11. 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.
12. 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.
13. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
14. 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.
15. 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 under the Wildlife (Protection) Act, 1972 and copy furnished.
16. 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, 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 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.
17. 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.
18. 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).
19. 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 located in the mine lease area will be shifted or not. The issues relating to shifting of Village including their R&R and socio-economic aspects should be discussed in the report.

20. One season (non-monsoon) primary baseline data on ambient air quality (PM₁₀, SO₂ and NO_x), 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 PM₁₀, particularly for free silica, should be given.
21. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
22. 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.
23. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
24. 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.
25. 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.
26. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
27. 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.
28. 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.

29. 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. 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 the pollution.
30. 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.
31. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA report.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. Detailed environmental management plan 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.
38. Public hearing points raised and commitment of the project proponent on the same along with time bound action plan to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.

- 40.The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP should clearly be spelt out.
- 41.Provide information in Survey of India Toposheet in 1:50000 scale indicating geological map of area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies and rivers and soil characteristics.
- 42.In addition to providing wildlife and Schedule-I Species include data on endangered, endemic and RET Species of plants in the study area.
- 43.Details about the land proposed for mining with information as to whether mining conforms to the prescriptions of land use policy of the State ; land diversion for mining to have approval from State land use board or concerned authority.

List of Participants

- | | |
|---|------------------|
| 1. Dr. S. Subramaniyan | Acting Chairman |
| 2. Shri A.K. Bhatnagar | Member |
| 3. Prof. G.S. Roonwall | Member |
| 4. Dr. S.K. Peshin | Member |
| 5. Dr. D. Mohamed Kizhar Irshath | Member |
| 6. Dr. V.P. Upadhyay, Director (Scientific), MoEF&CC | Member Secretary |
| | |
| 7. Dr. R. B. Lal, Joint Director(S), MoEF&CC | |
| 8. Dr. Sonu Singh, Deputy Director (S), MoEF&CC | |
| 9. Representative of M/s Shri Devender Nagpal, S/o Shri Ramdass | |
| 10. Representative of M/s Ultratech Cement Ltd. | |
| 11. Representative of M/s Friends Crushers | |
| 12. Representative of M/s Malleilil Industries Pvt. Ltd | |
| 13. Representative of M/s Valakkavu Granites Pvt. Ltd. | |
| 14. Representative of M/s P.V. Granites | |
| 15. Representative of M/s Mr. Sunil Kumar S. | |
| 16. Representative of M/s Mr. Binu Cherian | |
| 17. Representative of M/s Aaraamam Rock (P) Ltd. | |
| 18. Representative of M/s RAVEENDRA ROCKS CRUSHING PLANT | |
| 19. Representative of M/s Ever-One Properties India Pvt. Ltd. | |
| 20. Representative of M/s Valiakalathil Rock Crushing | |
| 21. Representative of M/s Pynadath Granites Pvt. Ltd. | |
| 22. Representative of M/s Kottakkal Granite Industries | |
| 23. Representative of M/s Mr V K Benny | |
| 24. Representative of M/s Kilinakod Rock Products Pvt. Ltd | |
| 25. Representative of M/s Safa Stone Crusher | |
| 26. Representative of M/s Pullipadam Metal and Metal Sand Pvt. Ltd. | |
| 27. Representative of M/s Edathadan Granites (P) Ltd. | |
| 28. Representative of M/s Mr. Nizamudheen K.S. | |
| 29. Representative of M/s C.G. George | |
| 30. Representative of M/s V.P. Shareef | |
| 31. Representative of M/s Blue Mountain Granites | |
| 32. Representative of M/s S. Sobhan Babu | |
| 33. Representative of M/s Arvind Dhawan Budh Singh | |
| 34. Representative of M/s A.P. Mineral Development Corp. Ltd | |
