

**PROCEEDINGS OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE,
ODISHA HELD ON 25th APRIL, 2018**

The SEAC met on 25th April, 2018 at 03:00 PM in the Conference Hall of Odisha State Pollution Control Board, Bhubaneswar under the Chairmanship of Dr. B.K. Patnaik. The following members were present in the meeting.

1. Dr. B. K. Patnaik	-	Chairman
2. Sri B.P. Singh	-	Member
3. Sri B.C. Prusty	-	Member
4. Dr. D. K. Rout	-	Member
5. Sri S. Behera	-	Member
6. Dr. S. C. Nayak	-	Member
7. Sri A. C. Mohanty	-	Member
8. Dr. D. Swain	-	Member
9. Dr. S.K. Biswal	-	Member

The agenda-wise proceedings and recommendations of the committee are detailed below:

CONSIDERATION OF OLD PROPOSALS (COMPLIANCE RECEIVED):

1. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR CONSTRUCTION OF B+S+7 STORIED RESIDENTIAL BUILDING APARTMENT IN MOUZA ATHARNALA, PURI TOWN WITH TOTAL BUILT UP AREA 25292.481 SQM. IN THE DISTRICT OF PURI OF MR. NABA KISHORE DAS.

Mr. Nabakishore Das has proposed for construction of B+S+7 storied residential building apartment over revenue plot no. 18,20,19,2/188,3,2,20/131 and others in mouza Atharnala, Puri town, Tahasil / Dist - Puri. Latitude- 19° 49' 29.10" N and Longitude-85° 49' 55.53" E.

The site is coming under developmental Plan of Puri Municipal Corporation. The building plan has approved by Puri Konark Development Authority vide letter no. 154, dated 7th June 2017. This proposed residential building is a project with development of built-up area 25292.481 m² in total plot area of 10440.8152 m² or 2.58 Acres. Project is located near to Hotel Mayfair, Chakratirtha Road, Puri. The proposed site comes under PKDA (Puri Konark Development Authority) and land use zone of the proposed site is residential Zone as per PKDA land use plan. Site is located in Mouza- Atharanala near to NH-203 (BHUBANESWAR-PURI). Puri Railway junction is 1.85 km away from the project site towards South direction. Cost of the project is ₹ 51 Crores. A prawn processing unit is presently operating within the proposed site. This prawn processing unit will be dismantled for construction of the building project.

Ground coverage is 3,065.49 m², (30.41 % of total plot area). Total numbers of dwelling units are 266. Height of the building is 24 meter. Total parking area provided is 6781.55 m². Total plantation area provided is 2314.38 m² (21.37 % of total land area).

The daily power requirement for the proposed project is assessed as 2030KW (1827 KVA at 0.9 P.F). The power will be entirely supplied through CESU. There is provision of Power backup for the residential project through DG sets of total capacity 1000 KVA (2 No. 500 KVA). Separate generator yard will be constructed for housing DG sets.



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During construction stage daily requirement of water will be avg. 20 KLD which will be sourced from surface water through water tankers. During operation stage total water requirement will be about 130 KLD. Source of water will be municipal supply / Bore well. The unit will generate around 109 KLD of waste water, which will be treated in a Sewage Treatment Plant (STP) having capacity of 160 KLD. The treated water from STP will be 98 KLD. 63 KLD of treated water will be recycled. Out of which 20 KLD will be used for Horticulture and 43 KLD for toilet flushing. Remaining 35 KLD of treated water will be discharged to Municipal Sewer.

Solid waste generation will be approximately 0.437 T/Day. A door to door collection system will be provided for collection of domestic waste from household units. Wastes will be disposed through local vendors/Municipality. Litter bin will also be provided in open areas like parks etc. STP sludge will be used as manure for gardening. Spent activated carbon from the ACF will be given back to the supplier for regeneration and recycle. Waste oil generated from DG set and transformer oil replacement will be sold off to authorized vendors for waste oil.

Under ground water storage tank of 100KL capacity will be constructed for fire-fighting. 6m wide road for movement of fire vehicles will be constructed. Fire Hydrants located suitably at different points at the ground level and in the main block located at the staircase landing areas at the upper floor level.

The Consultant, Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar made a detailed presentation on 08.11.2017 behalf of the proponent. The SEAC decided to take decision on the proposal after receipt of the certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	A prawn processing unit is presently operating within the proposed site. This prawn processing unit will be dismantled for construction of the building project. Present consent status of the prawn processing unit from State Pollution Control Board, Odisha is to be intimated. Any litigation if pending against the prawn processing unit is to be intimated.	<ul style="list-style-type: none"> The name of the prawn processing unit is M/s Bijaya Marine Products. Furnished Consent to Operate order of State Pollution Control Board, Odisha, which was valid upto 31.03.2018. This prawn processing unit is operating adjacent to proposed site. They have assured that prior to construction of proposed project the said Prawn-Processing Unit will be closed with proper advance intimation to State Pollution Control Board. 	They have to intimate whether the prawn processing site will be used for proposed project after dismantling the same as intimated during presentation.
2.	Master layout plan indicating greenbelt, drainage network, movement of fire tender etc.	Master layout plan indicating greenbelt, drainage network, movement of fire tender etc. has been furnished.	Complied



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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
3.	Copy of building plan approval letter and approved plan including drainage map.	Conditional approval letter of Puri Konark Development Authority (PKDA) furnished. But, approved plan including drainage map has not been furnished.	The proponent has to furnish the approved plan including drainage map
4.	The point of treated waste water disposal and the arrangement to approach that point.	Map indicating the discharge point i.e. Atharanala No. 103 has been furnished.	Exact discharge point has not been intimated. Only map has been given.
5.	Land schedule and kisam of land.	Land schedule and kisam of land of 2.58 acres has been furnished.	Complied.

The sub-committee of SEAC also visited the proposed site to verify the drainage network of the proposed site as well as surrounding environment on 19.02.2018. The Sub-Committee observed the following:

- a) The said apartment area is on right side of Bhubaneswar-Puri Road in Atharanala area. The area of the project is 2.5 Acre. In front of this, one operating prawn processing unit and its office is existing just adjacent to the Bhubaneswar-Puri road. Approach to project site is through this prawn processing unit. There is no independent approach road to this proposed apartment site.
- b) There is no natural storm water drain nor municipal drain for disposal of treated water and storm water of the project. The project proponent told that one natural storm water drain is passing at the back side of this project at a distance of 150 meter. Storm water drain from project area will be connected to the existing storm water drain for disposal.
- c) Regarding approach road to the project, the project proponent told to dismantle the office building and make approach road for construction purpose and use of inhabitants of the proposed apartment.
- d) The sub-committee recommended that the proponent should submit a modified plan on storm water and treated sewage drain and approach road for construction activities and use by inhabitants of apartment.

After detailed discussion, the SEAC decided to take decision on the proposal after receipt of the following information / documents from the proponent:

1. Modified plan duly approved by the Puri Konark Development Authority (PKDA) on storm water and treated sewage drain and approach road for construction activities and use by inhabitants of apartment.
2. An undertaking to the effect that they shall follow all the formalities and obtain approval from concerned authority to dismantle the prawn processing site to use for proposed project.



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2. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR MAHUGHARA DECORATIVE STONE MINE (7.50 ACRES OR 3.035 HA.) AT – VILLAGE MAHUGHARA, TAHASIL – KUKUDAKHANDI, DIST – GANJAM OF SMT. BABITA PATRA.

The Mining lease for Decorative stone mine over an area of 7.50 Acres or 3.035 ha. of Mahughara Village, Kukudakhundi Tahasil of Ganjam. District, Odisha State, was originally granted of Smt. Babita Patra for a period of 5 years. The ML area period of concession from 2015-16 to 2019- 20. It has been proposed to excavate 2802 m³ per annum of Decorative Stone Mine and the Geological Reserve is 95,657 m³.

The mining will be Open cast Manual Mining. The mining plan will be adopted for the excavation of Decorative Stone Mine. Surface mining will be done by Open cast Manual method with the deployment of excavator. Mined out Quarry will be transported through 2 tippers, 1 excavators to its destination point. The product will be directly supplied to the crusher units.

The salient Features of the mines are given in the table below:

S. No	Parameter	Remark
1.	Altitude	125 -80 MSL
2.	Latitude	N19° 11' 42.4" to N19° 11' 55.2"
3.	Longitude	E84° 34' 30.2" to E84° 34' 56.7".
4.	Village	Mahughara
5.	Tehsil	Kukudakhundi
6.	District	Ganjam
7.	State	Orissa
8.	Topo sheet number	74A/11
9.	Maximum temperature	42 °C
10.	Minimum temperature	21 °C
11.	Avg. Relative humidity	70% (Max)
12.	Avg. Annual rainfall	1400mm
13.	Topography	Hilly Terrain
14.	Soil type	Alluvial and Lateritic
15.	Climate	Tropical Climate
16.	Nearest Town	Berhampur is at 6.5km from the M.L area
17.	Nearest Highway	(NH-217) is situated at a distance of 600mts (Berhmpur -Rayagada)./ (SH-4) is situated at a distance of 5 km (Berhmpur to Aska).
18.	Nearest Railway Station	Berhmpur railway station at a distance of 5.0 Kms from ML area
19.	Nearest Village	Mahughara Village
20.	Nearest Reserve Forest/ Sensitive area	Parikota and Bidua Reserved Forests are at 1.0 km. distance from the ML area in the NNE direction.
21.	Surface Water Bodies	Mahendratanaya River at a distance of 4.0 kms from ML area

S. No	Parameter	Remark
		flowing from NE to SSW in the Buffer area. There is a seasonal nala in the SW direction

The checklist furnished by the proponent reveals that there are 3 decorative mines as follows do exist within 500 meter from the periphery of the lease area.

- (i) Decorative Stone Mines of Nirman Vikash with mining lease area of 11.635 ha.
- (ii) Decorative Stone Mine of Samar Das with mining lease area of 13.901 ha.
- (iii) Decorative Stone Mines of M.A. Wasim with mining lease area 9.259 ha.

The total mining lease area in the cluster including the present mine is 37.83 ha. The proposal will be considered as category B1 project in cluster approach as total area is exceeding more than 25 ha.

The SEAC in its meeting held on 03.06.2017 decided to take decision on the proposal after receipt of certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
3.	Certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.	Certificate from the concerned mining officer has not been furnished.	Certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines has to be furnished.
4.	Certificate from the concerned DFO that there is no DLC land involved in lease area.	Certificate from the concerned DFO that there is no DLC land involved in lease area has not been furnished. The documents furnished by the proponent in support of the same is old one and not acceptable.	Certificate from the concerned DFO that there is no DLC land involved in lease area has to be furnished.
5.	Tahasildar certified copy of land schedule and kism of land of lease area.	The authenticated land schedule by the Tahasildar, Kukudakhandi is a part of check list which is already submitted which may please be accepted.	The checklist certified by the Tahasildar is not acceptable in connection with land schedule. The Tahasildar has to submit the certified copy of land schedule and kism of land of lease area.

The SEAC in its meeting held on 21.07.2017 decided to take decision on the proposal after receipt of following information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:



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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.	Certificate from the concerned mining officer has been furnished, which reveals the following: a) 03 decorative mines as follows do exist within 500 meter from the periphery of the lease area. (i) Decorative Stone Mines of Nirman Vikash with mining lease area of 11.635 ha. (EC granted) (ii) Decorative Stone Mine of Samar Das with mining lease area of 13.901 ha. (iii) Decorative Stone Mines of M.A. Wasim with mining lease area 9.259 ha. (Lease expired on 27.10.2011).	The fact has to be verified through a site visit by the sub-committee also file of Nirman Vikash and certificate given by the Mining Officer in that proposal.
2.	Certificate from the concerned DFO that there is no DLC land involved in lease area.	Certificate from the concerned DFO has been furnished.	Complied
3.	Tahasildar certified copy of land schedule and kisam of land of lease area.	Certified copy of the Tahasildar has been furnished.	Complied

The SEAC in its meeting held on 05.12.2017 decided that the fact has to be verified through a site visit by the sub-committee also file of Nirman Vikash and certificate given by the Mining Officer in that proposal. The SEAC in its meeting held on 12.01.2018, decided to take decision on the proposal after the site visit by the sub-committee of SEAC.

The sub-committee of SEAC visited the proposed site on 21.02.2018. The Sub-Committee observed the following:

- (1) 03 nos. Decorative Stone Mines do exist within 500mtrs from the periphery of the lease area:
 - (i) Decorative Stone mines of Nirman Vikash with lease area 11.635 ha. (EC Granted)
 - (ii) Decorative Stone mines of Samar Das with lease area 13.901 ha. given to understand that these mines was operating and closed since about last 1½ Years.
 - (iii) Decorative Stone Mines of M.A Wasim with lease area 9.259 ha. (Closed and Lease expired on 27.10.2011).
- (2) The Proposed decorative stone mine of Smt. Babita Patra are just on the opposite side of decorative stone mines of Nirman Vikash.

The SEAC observed the following after examining the old Environmental Clearance file of M/s Nirman Vikash Pvt. Ltd.

- (i) Environmental Clearance was granted to Mahughara Decorative Stone Mine of M/s Nirman Vikash Pvt. Ltd. on dated 23.06.2017.

- (ii) EMP submitted by the M/s Nirman Vikash Pvt. Ltd. along with Environmental Clearance application reveals only one decorative mine i.e. Smt. Babita Patra with lease area 3.035 ha. located within 500 meter periphery of M/s Nirman Vikash Pvt. Ltd.
- (iii) The certificate furnished by Mining Officer, Ganjam Circle, Berhampur for Decorative Stone Mines of Smt. Babita Patra reveals there are four decorative mines (including decorative stone mines of Smt. Babita Patra) located within 500 meter. Out of four mines, Decorative Stone Mines of M.A Wasim with lease area 9.259 ha. (Closed and Lease expired on 27.10.2011) will not come under this cluster approach as it is closed more than three years.
- (iv) The total area in cluster within 500 meter of three mines i.e. M/s Nirman Vikash Pvt. Ltd., Decorative Stone mines of Samar Das and Smt. Babita Patra is 28.571 ha., which is more than 25 ha. and will require cluster EIA study as B1 category.
- (v) M/s Nirman Vikash Pvt. Ltd. may be given false information at the time of submission of Environmental Clearance application.

After detailed discussion, the SEAC decided to return the proposal to SEIAA, Odisha to review the Environmental Clearance granted to M/s Nirman Vikash Pvt. Ltd. and to take decision accordingly for cluster EIA study for above three mines including Smt. Babita Patra.

3. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR KUAKHAI RIVER SAND MINE OVER LEASE AREA OF 48.81 HA. LOCATED AT VILLAGE- UMADEIBRAHMAPUR, ALARPUR, HATAJASUAPUR, HIRAPUR, TAHASIL –BALIANTA, DISTRICT- KHORDHA OF SHRI KAMAL KUMAR PATRA (EC).

1. Sri Kamal Kumar Patra was awarded the lease area of 120.61 acres or 48.81 Ha. for mining from Tahasildar, Baliana, Dist – Khordha, Odisha vide letter no. 970 dated 17.04.2015 for the mining of sand on the river bed of Kuakhai (Bhargabi).
2. The proposal falls under category 'B1', section 1 (a) (i) "Mining of minerals" of Schedule of EIA Notification 2006 and amendment thereafter.
3. Brief project details are given below:

Sl. No.	Description	Details
1.	Location of the Project	Latitude: 20°13'28.91to 20°14'50.43"N Longitude: 85°51'52.84 to 85°52'52.16"N
2.	Mine Lease Area	120.61 acres or 48.810 Ha.
3.	Toposheet Number	73H/16
4.	Type of Land	Non-forest Land
5.	Elevation	Highest Elevation: 19 m AMSL Lowest Elevation : 17 m AMSL
6.	Project Cost	₹ 80 Lakhs
7.	Man Power & No. of Working days	343 person for 200 Days/Year.
8.	Total Geological Reserves	4,88,103 m ³
9.	Total Mineable Reserves	4,33,000 m ³
10.	Targeted Production	4,10,500 m ³
11.	Validity of Lease	5 Years
12.	Seismic Zone	Seismic Zone III as per seismic map of India.

Sl. No.	Description	Details
13.	Nearest Town	Bhubaneswar 2 Km in NW Direction
14.	Nearest Airport	Biju Patnaik International Airport at 5 Km in WNW Direction.
15.	Nearest Railway Station	Bhubaneswar Railway Station at 5 Km in NNW
16.	Nearest Highway	National Highway 203 at 0.5 Km in West Direction
17.	Nearest Water Bodies	(i) Daya River - 2 Km South (ii) Puri Canal – 0.5 Km East
18.	Historical Monuments (in 10 Km Buffer)	Odisha State Museum at 4 Km NW. Bhubaneswar Tribal Museum at 8.6 Km NW
19.	Status of Protected/ Other Areas (in 10 Km Buffer)	None in 10 Km.

4. Mining of sand will be carried out by open cast manual method of mining and no underground mining will be done. No drilling and blasting will be carried out on open cast river bed mining.
5. Daily water demand will be 8.9 KLD and source is ground water. Water will be made available from dug well situated in nearby village through water tankers.
6. The transportation of Mineral will be done by vehicles through existing roads and highways. Around 740 Truck trips (370 trucks) are estimated for transportation of sand per day on the basis of truck capacity 10 tonnes.
7. Total cost for Environment Management Plan is ₹ 3.75 Lakhs and for CSR activities is ₹ 1.60 Lakhs.
8. The proponent has obtained permission from Nimapada Irrigation Division for use and maintenance of the river embankment to proper section,
9. ToR was granted by SEAC, Odisha, vide letter no. No.557/SEAC-(Misc)-25 dt 29.08.2016. The Baseline monitoring was done during 1st March, 2016 to 31st May, 2016. The Mining Plan was approved on 06.01.2016. Public Hearing was conducted on 23.09.2017.
10. The project proponent along with their consultant **M/s ENVIRTA Sustainable Solutions India Pvt. Ltd., 167/10-B, Vasundhara, Ghaziabad, Uttar Pradesh** made a detailed presentation on the EIA report of the proposal on 31.01.2018.
11. The SEAC decided to take decision on the proposal after receipt of certain information / documents from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	The lease sanctioned letter of Tahasildar, Baliana reveals that the total lease area consists of five blocks (A,B,C,D & E). These blocks are located in different mouza. Out of the five blocks, two blocks (C & D) are contiguous, whereas block	Rule No.31 of OMMC Rules 2016 stipulates that individual quarries covering an area less than five hectares and in total not more than one hundred hectares in a development block may be clubbed and declared as cluster by the competent Authority. But in the instant case, this source itself constituted as one source since its inception taking into consideration about the geographical reserve

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	A,B and E are away from each other. A bridge is passing between block B and C. The Tahasildar, Baliana has to clarify whether five different blocks in different locations will be considered as one lease and copy of provision of such sanction of lease as per rules if any shall be provided	of the sand source at that time. Under the above stand point, there is no need to declare this source as a cluster which was originally declared as a single source.As per approved mining plan the 'source area has been divided into 5 blocks.
2.	Exact distance between each block and distance of the bridge from block B and C has to be certified by the concerned Tahasildar.	<p>(i) The distance between each block is as follows.</p> <ul style="list-style-type: none"> ✓ A Block & B Block is 168 meters B Block & C Block is 480 meters. ✓ C Block & D Block is 20 meters. ✓ D Block & E Block is 116 meters ✓ Most of the gap area covers the flow of water source on the river bed. <p>(ii) The distance of Umadeibrahmapur source area from the bridge is 200 meters approximately.</p> <p>(iii) The distance of Hatajasuapur source area from the bridge is 270 meters approximately.</p>
3.	Detailed village map indicating the lease area.	Detailed village map indicating the lease area has been furnished.
4.	They should submit detail work / transportation schedule, route map and tonnage haulage / hour.	The peak production capacity of the mine shall be 410500 m ³ per annum. Considering 300 days of working in a year and market demand, the per day production shall be 1368 m ³ . To meet the peak production level, 228 no. of unskilled man power shall be required to be deployed in all the five blocks at particular point of time. Considering the absenteeism, guards and manpower required during the loading period & mobilization, it is estimated to be 343. Excavation shall be carried out during day time from 6:00 am to 6:00PM and transporting of sand to different destinations shall be carried out during night time. Trucks like HIWA shall be deployed for transportation of sand from mine to different destinations and almost 80 nos. of trucks shall be required for transporting. There shall be almost 10 trucks of 188 m ³ capacity to be loaded per hour between 10:00 PM to 6:00 AM. The map showing the route map mainly to be followed for transportation of sand has been furnished.
5.	Considering the scale of operation, it is required to	The Sand mining mainly comprises for excavation, loading and transportation. No drilling & blasting is



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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
	explain how open cast mining can be handled manually.	required over sand bed. The excavation shall be carried out by manual means by deploying the local manpower which will generate the employment opportunity to 228 nos. However, loading and transportation shall be done mechanically. Thus, excavation shall be handled manually whereas loading and transportation shall be done using trucks (HIWA) etc.

12. The site was visited by the sub-committee of SEAC on 11.04.2018 to verify the present environmental scenario of the area. The Sub-Committee observed the following:

- (i) The proposed Kuakhai river sand lease of 120.610 acres is located on Bhargabi river bed spreading over 4 revenue villages namely Hirapur Block E (40.00 Acres), Hatajasuapur Block C&D (66.00 Acres). These four villages are adjacent to each other and the lease area is of "Nadi Kisam". As per the documents submitted, the sand mine blocks are isolated patches and there is gap in between them excepting block C&D. A bridge is passing between block B&C. As per the letter of Tahasildar, Balianta No. 626 dt. 7.3.2018 there are two ways of approach road to reach the lease area, one at Block-A and the other at Block-E. As per the mining plan safety zones of 270 mtr between Block B and the bridge and of 200 mtr between Block C and the bridge are provided.
- (ii) During the visit it was observed that the mining lease was fully developed with quarries and road network for extraction and transportation of sand.
- (iii) No demarcation of individual blocks and the safety zone was observed. Instead of 2 approach roads, as stated by the Tahasildar, 04 fully developed and operating approach roads to the source area were observed at Block-A, B, C & D & E.

13. Based on the above observations, the sub-committee of SEAC opined that the Environmental Clearance may be considered with following conditions to be complied and monitored strictly by District Revenue and Administrative Authority.

- (a) The blocks should be clearly demarcated and mining activity should only be restricted to the designated area for which approved mining plan has been submitted to minimize the damage to the river bed eco-system.
- (b) The authorities shall ensure that the safety zone as defined in the approved mining plan between bridge and block A, B in one side and C, D on the other and shall be demarcated by concrete pillars and no mining activity be allowed in the safety zone.
- (c) The approach road to the flood embankment road should be restricted to 2 nos. to ensure minimum damage to the embankment.
- (d) Sand transportation shall be done only during 10 AM to 6 PM by trucks of capacity < 6.0 m³. Transpiration of sand by Hywa shall not be allowed.
- (e) Suitable plantation on the slopes of embankment road shall be done to increase the embankment stability.



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- (f) The truck for carrying sand (to and fro) shall not be allowed to ply on the embankment road and shall be allowed to move in "Haulage Road" to be constructed by the proponent before mining operation.
- (g) Any damage to the existing embankment road if made, by the movement of sand carrying vehicles though prohibited, shall be regularly and periodically repaired and maintained by the proponent with due permission of the concerned department.

Considering the information / documents furnished and presentation made by the Consultant **M/s ENVIRTA Sustainable Solutions India Pvt. Ltd., 167/10-B, Vasundhara, Ghaziabad, Uttar Pradesh** on behalf of the proponent, the SEAC recommended to grant Environmental Clearance for the proposal valid from the date of Environmental Clearance accorded upto the lease period with following conditions in addition to the conditions stipulated for sand mines in general.

- (1) The blocks should be clearly demarcated and mining activity should only be restricted to the designated area for which approved mining plan has been submitted to minimize the damage to the river bed eco-system.
- (2) The authorities shall ensure that the safety zone as defined in the approved mining plan between bridge and block A, B in one side and C, D on the other and shall be demarcated by concrete pillars and no mining activity be allowed in the safety zone.
- (3) The approach road to the flood embankment road should be restricted to 2 nos. to ensure minimum damage to the embankment.
- (4) Sand transportation shall be done only during 10 AM to 6 PM by trucks of capacity < 6.0 m³. Transpiration of sand by Hywa shall not be allowed.
- (5) Suitable plantation on the slopes of embankment road shall be done to increase the embankment stability.
- (6) The truck for carrying sand (to and fro) shall not be allowed to ply on the embankment road and shall be allowed to move in "Haulage Road" to be constructed by the proponent before mining operation.
- (7) Any damage to the existing embankment road if made, by the movement of sand carrying vehicles though prohibited, shall be regularly and periodically repaired and maintained by the proponent with due permission of the concerned department.
- (8) The above conditions to be complied and monitored strictly by District Revenue and Administrative Authority.

4. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR CONSTRUCTION OF B+G+6 MULTISTORIED APARTMENT BY ALTRADE CONSTRUCTION PVT. LTD., BHUBANESWAR OVER AN AREA OF 1.80 ACRES GHATIKIA AT BHUBANESWAR OF M/S ALTRADE CONSTRUCTION PVT. LTD. WITH TOTAL BUILT-UP AREA OF 24273.99 M2 (TOR).

- 1. This is a proposal for Environmental Clearance for construction of B+G+6 Multistoried apartment by Altrade Construction Pvt. Ltd., Bhubaneswar over an area of 1.80 acres Ghatikia at Bhubaneswar of M/s Altrade Construction Pvt. Ltd. with total built-up area of 24273.99 m² (EC).
- 2. The consultant **M/s Kalyani Laboratories Pvt. Ltd., Plot No. 1867, Bomikhal, Bhubaneswar – 751010** made a detailed presentation on 18.10.2017 on behalf of the project proponent.



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3. The committee observed that the presentation has not been prepared based on the ground reality and environmental status of the proposed project location. The committee decided to defer the proposal and take decision on the proposal after the consultant come prepare with a presentation with factual data after detailed field verification.
4. The proponent requested for detailed presentation before the committee after field verification and the committee allowed them for presentation.
5. The project area of M/s-Altrade Constructions Pvt. Ltd is 1.8 acres bearing plot no-4363, 4365/9551 & 4366 and Khata no-1988/9 in village - Ghatikia, P.S- Chandaka, Bhubaneswar. The nearby area is being used for construction of building, apartments used for residential purposes. The area is located in Survey of India Toposheet No. 73 H/15. The project site is connected by 18.3 m wide road connected to Ghatikia main road.
6. Total built-up area is 24273.99 m². Building height (maximum) is 20.95 meter. Parking will be provided in 5478.89 m². Project cost is ₹ 1,573.73 lakhs.
7. Total water requirement for the apartment is 150 KLD. Domestic Water Demand per day (60% of Demand) is 90 KLD (Fresh Water). Flushing Water Demand per day (40 % of the demand) is 60 KLD (Recycled Water).Total waste water generation will be 120 m³, which will be treated in STP of capacity 135 m³.60 KLD of treated water will be used for flushing and 9 KLD of treated water will be used for landscaping. Surplus treated water of 51m³/day will be discharged to Municipal Sewer Line.
8. The waste generation during operation phase will be approximately 300 Kg (0.45 Kg/ capita/ Day).Organic waste is 180 Kg (60% of the total waste) and Inorganic waste is 120 Kg (40%of the total waste. Organic waste will be disposed off bio-converter and inert waste will be disposed off through BMC.
9. Total power requirement will be 958 KW. One DG set of 380 KVA capacity will be provided for power backup. Solar energy of 46 KW (4.6 %) will be used for external lighting & Basement floor & stilt floor Parking area, BF to terrace staircase, lobby & terrace Lighting & Miscellaneous.
10. The SEAC in its meeting held on 05.12.2017 decided to consider the proposal after receipt of certain information/ documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
(i)	Master layout plan indicating greenbelt, drainage network, movement of fire tender etc.	Master layout plan showing the green belt, drainage network. Movement of fire tender etc. has been furnished.
(ii)	Copy of building plan approval letter and approved plan including drainage map	Building plan is in the process of approval and final approval will be done after submission of Environment clearance letter. Letter from BMC regarding the approval of building has been furnished.
(iii)	The point of treated waste water disposal and the arrangement to approach that point	They have obtained NOC from office of Executive Engineer, PH division - II, Bhubaneswar for water supply and sewerage



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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
		connection. Letter attached. At present arrangement has been made for disposal of waste water to the nearby man hole. The approved drawing for the disposal of waste water has been furnished.
(iv)	Land schedule and kizam of land	Land schedule has been furnished.

11. The SEAC in its meeting held on 05.12.2017 also decided that the proposed site to be visited by sub-committee of SEAC to verify the drainage network of the proposed site as well as surrounding environment.
12. The site was visited by the sub-committee of SEAC on 11.04.2018 to verify the drainage network of the proposed site as well as surrounding environment. The Sub-Committee observed the following:
- The proposed project site is located on the side of the road leading to Samasti Villa. Boundary wall has already been constructed. It is a land locked site with no defined drainage facility in the close vicinity. There is no defined natural storm water drain in that area. The proponent could not give any plausible explanation as how to dispose its treated waste water. The proponent could not give the exact status of the land or any supporting document which allows them to use the land / drain.
 - The proponent is required to submit the drainage master plan for the proposed project and submit convincing details about the disposal system of its waste water.

The SEAC decided to take decision on the proposal after receipt of the following from the proponent.

- The drainage master plan for the proposed project and convincing details about the disposal system of its waste water

5. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR CLINKER GRINDING UNIT WITH CEMENT PRODUCTION CAPACITY OF 3.0 MTPA AND DG SET (2X6 MW) AT KHAMARMUAGAM & KOLTHPANGI, TEHSIL – ATHAGARH, DISTRICT - CUTTACK OF M/S ULTRATECH CEMENT LIMITED. (UNIT- CUTTACK CEMENT WORKS).

- This is a proposal for Environmental Clearance for Clinker Grinding Unit with Cement Production Capacity of 3.0 MTPA and D.G. Set (2 x 6 MW) at Villages: Khamarnuagam & Kolthpangi, Tehsil: Athgarh, District: Cuttack (Odisha) by M/s. UltraTech Cement Limited (Unit - Cuttack Cement Works). As per EIA Notification dated 14th Sept., 2006 & as amended from time to time; this project falls under S. No. 3 (Material Production), Project Activity '3 (b)' Cement Plants.
- The proposed project is located at Villages –Khamarnuagam & Kolthpangi, Tehsil - Athgarh, District: Cuttack (Odisha) at latitude 20° 33' 51.83" N to 20° 34' 11.75" N and longitude 85° 46' 30.12" E to 85° 47' 10.38" E and toposheet no. 73 H/10, 73 H/11, 73 H/14 & 73 H/15.
- This project falls under Category "B", Project or Activity '3 (b)' as per EIA Notification dated 14th Sept., 2006 & its subsequent amendments.



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4. The proponent obtained Terms of Reference (ToR) for EIA study from the SEAC, Odisha vide letter no. 310/SEAC-95, dated 05.05.2017. Public hearing for the proposal was conducted on 12.10.2017. The proponent uploaded the Final EIA/EMP Report to SEIAA, Odisha on 10.11.2017.
5. Total Project Area is 90 acres (36.43 ha.). Greenbelt / Plantation Area (ha) will be developed in 33% of the total project area (i.e. 29.7 acres).
6. Kapilas Wildlife Sanctuary is situated at a distance of 8.0 km from the proposed project site. No National Park, Biosphere Reserve, Protected Forest falls within 10 km radius of the project site. Certificate from DFO, Athgarh Forest Division regarding distance of the project from Kapilash Wildlife Sanctuary and its Eco-sensitive zone has been obtained vide letter no. 5491 dated 20th Nov., 2017.
7. Reserved Forests (RF) within 10 km radius of the project site with aerial distance is given below:
 - Sankhaipoi RF (~0.1 km in North direction)
 - Subasi RF (~1.8 km in SSW direction)
 - Suniamoh RF (~2.0 km in SSE direction)
 - Brahmanbasta RF (~4.0 km in SSW)
 - Baula RF (~4.5 km in SE direction)
 - Gobra RF (~5.0 km in NE direction)
 - Ranibania RF (~6.0 km in NW direction)
 - Deulia RF (~6.5 km in WNW direction)
 - Baniabandha RF (~7.0 km in NNE direction)
 - Oringa RF (~7.5 km in SW direction)
 - Kapilas RF (~8.0 km in NW direction)
 - Ranibania RF (~8.5 km in West direction)
8. River / Water Body within 10 km radius of the project site with aerial distance is given below
 - BarkatlaJor (~0.5 km in NW direction)
 - Bara Jor (~5.0 km in NNW direction)
 - JanikJor (~6.0 km in NE direction)
 - Au Jor (~6.0 km in NE direction)
 - Mahanadi River (~6.5 km in SSE direction)
 - Bara Jora (~7.5 km in SW direction)
 - SingliJor (~8.0 km in SE direction)
9. The major facilities and associated activities proposed as a part of proposed Clinker Grinding Unit are Grinding System (VRM + Roller Press), storage facilities for raw material and products, Hot Air Generator (HAG) and DG Sets.
10. Main raw materials for the proposed Clinker Grinding Unit will be Clinker which will be sourced Rawan Cement Works, Raipur, Chhattisgarh and also from other units of UTCL as ACW, APCW, VC/AC, HCW by Rail. Gypsum will be sourced from Paradeep Phosphate Limited, Paradeep and Mineral Gypsum from Bhutan by Road / Rail. Fly ash will be sourced from Kalinga Nagar, Jajpur, Bhusan Steel Ltd., Dhenkanal, NALCO, Angul



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and Aarati Steel & Power Ltd., Cuttack by Road. Slag will be sourced from Durgapur, Bokaro, Rourkela and Kalinga Nagar by Rail / Road.

11. Power Requirement for the proposed project will be around 18 MW and will be sourced from Odisha State Electricity Board (OSEB) / Grid. DG Sets of capacities 2x6 MW will be provided for backup power. Total manpower requirement for the proposed project will be 120 person.
12. Coal (imported/ indigenous) of quantity 150 – 300 TPD will be required for Hot Air Generator, which will be used for removal of moisture from Gypsum and fly ash, Slag and proper functioning of dust collectors; whereas HFO of quantity 50 KLD will be used as fuel in DG sets.
13. Total water required for the project is 300 KLD. Source is Ground water. Water used for cooling will be partially absorbed in the process and/or partially subjected to evaporation and recycling and hence, no waste water will be discharged from the plant premises. Domestic waste water (17 KLD) generated will be disposed in soak pit via septic tank. The industry will maintain Zero Liquid Discharge (ZLD) concept.
14. Around 35 KL/annum of Used oil (Hazardous Waste) will be generated, which will be sold to the CPCB authorized recycler.
15. Total Cost of the Proposed Project is ₹ 600 Crores. Cost for Environment Management Plan i.e. Capital Cost is ₹ 3.0 Crores and Recurring Cost is ₹ 25 Lacs / annum.
16. The project proponent along with the **consultant M/s. J.M. EnviroNet Pvt. Ltd, SCO-16, Sector-10-A, Gurgaon, Haryana**, made a detailed presentation before the SEAC on 05.01.2018. The SEAC decided to consider the proposal after receipt of certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Details of source of raw materials and transportation routes	Major raw materials will be used for cement production are clinker, Gypsum, Fly ash and Slag. Details regarding quantity of raw materials required and their source along with distance and mode of transportation as well as the transportation route map has been furnished.	Complied.
(ii)	Proposal for alternative source of drawal of water like surface water	UTCL will develop following surface water sources as an alternative source for withdrawal of water for plant usage: 1. Construction of check dam near the Nala (150 m from project site). 2. Development of a pond near the project site.	Complied.
(iii)	Detailed drainage map of plant area	A detailed storm water drainage plan along with drainage map of plant site has been prepared and the same has been furnished.	Complied.
(iv)	Proposed pollution control measures for Hot	Hot Air Generator will be installed as the hot air will be required to remove the moisture of raw materials which will be the requirement of process.	Complied.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC																				
	Air Generator (HAG).	<p>Hot Air Generators supply air heated to elevated temperature by mixing it with products of combustion from a burner. The hot air generator consists of an inner refractory-lined combustion mix dilution air, and outlet section. The outlet section is fully connected with Cement mill. The hot air generated is discharge directly to the cement mill to remove the moisture of the materials.</p> <p>Emission (Minor) generated from combustion of coal In hot air generator is directly discharge through the cement mill stack and cement mill will be Bag house to keep the emission within the prescribed standard.</p>																					
(v)	Details of approach road to the plant site	<p>Transportation of raw materials and finished product will be done through following approach roads connecting to National Highway -42.</p> <ul style="list-style-type: none"> ➤ Vehicle will be coming towards Dhenkanal, they will be turned after Khuntuni at NH and come to the site through Radha kishore village (Distance from the Khuntuni to plant site 3.90 km). ➤ Vehicle will be coming towards Cuttack/Choudwar, they will be turned after Gurudijhatia chowk at NH and come to the plant site (Distance from the Gurudijhatia Chowk to plant site is 4.40 km) ➤ Map showing transportation route from NH to the project site has been furnished. 	Complied.																				
(vi)	Land schedule and kism of land	<p>Govt. of Odisha has allotted 90.00 acres of land through IDCO, BBSR on lease basis for 90 years in the village of Kolthpangi & Khamarnuagam for putting up the Cement Grinding unit, the details of land are appended below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Mouza</th> <th>Khata No.</th> <th>Plot no.</th> <th>Area (In ac)</th> <th>Kisam</th> </tr> </thead> <tbody> <tr> <td>Kolthpangi</td> <td>113 (AJA)</td> <td>167/662</td> <td>36.100</td> <td>Patita</td> </tr> <tr> <td>Khamarnuagam</td> <td>229 (AJA)</td> <td>64/1386</td> <td>53.900</td> <td>Patita</td> </tr> <tr> <td colspan="3" style="text-align: center;">Total Land</td> <td>90.00</td> <td></td> </tr> </tbody> </table> <p>Kisam of both plots is Patita. Land Possession Certificate having land schedule and Kisam of land has been furnished.</p>	Mouza	Khata No.	Plot no.	Area (In ac)	Kisam	Kolthpangi	113 (AJA)	167/662	36.100	Patita	Khamarnuagam	229 (AJA)	64/1386	53.900	Patita	Total Land			90.00		Complied.
Mouza	Khata No.	Plot no.	Area (In ac)	Kisam																			
Kolthpangi	113 (AJA)	167/662	36.100	Patita																			
Khamarnuagam	229 (AJA)	64/1386	53.900	Patita																			
Total Land			90.00																				

17. The SEAC in its meeting held on 05.01.2018 and 09.03.2018 decided to consider the proposal for grant of Environmental Clearance after the SEIAA, Odisha accept and

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- approve the proceedings of the public hearing for the proposal forwarded by the State Pollution Control Board, Odisha.
18. The SEIAA, Odisha vide letter no. 4337/SEIAA, dated 07.04.2018 intimated the following:
 - (i) The Collector, Cuttack in his report has informed that the local situation is not conducive to conduct public hearing again.
 - (ii) The matter was discussed in the meeting of SEIAA, Odisha held on 27.02.2018 and the Authority decided, " to pursue the provision at paragraphs (iii), (v), (vi) and (vii) of the procedure indicated under the EIA Notification, 2006 for conduct of public hearing. Taking stock of the entire situation, it was decided that the applicant be directed to submit a supplementary report to the draft EIA/EMP reports addressing all the concerns expressed during the public consultation and also collect a copy of the petition in which the said concerns have been expressed from the Regional Office of the SPCB/Collector, Cuttack."
 - (iii) As per the instruction of the Authority, the applicant has submitted the supplementary report of public hearing for further consideration.
 19. The SEIAA, Odisha also forwarded clarification letter submitted by the applicant with a request to appraise especially with reference to the ToR issued by SEAC, and the concerns expressed in the petition received during the public hearing.
 20. The SEAC, Odisha examined the petitions received during public hearing and the concerns expressed in the petitions. The SEAC, Odisha also discussed about the action plan submitted by the proponent for the issues raised in the petitions received during the public hearing and are found to be duly addressed.

Considering the information furnished by the proponent, presentation made by the consultant **M/s. J.M. EnviroNet Pvt. Ltd, SCO-16, Sector-10-A, Gurgaon, Haryana** on behalf of the project proponent and communication made by the SEIAA, Odisha on public hearing, the SEAC recommended for grant of Environmental Clearance for the project valid for a period of 7 years with stipulated conditions as per **Annexure – I**.

6. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR MANIKPUR QUARTZ & GEMSTONE MINE OVER AN AREA 19.692 HA AT VILLAGE MANIKPUR TAHASIL BIRAMAHARAJPUR IN THE DISTRICT OF SONEPUR OF M/S MANIKESWARI MINERALS.

Manikpur mining lease located at village- Manikpur under Birmaharajpur Tehsil in Sonapur district of Odisha. The Latitude and Longitude of the site is 20° 55' 29" N to 20°55' 52"N & 84° 04' 04"E to 84° 04' 19"E. (Topo Sheet No. 73D/1). The mine is well connected with Birmaharajpur at a distance of 7.0 Km and 20 Km at a distance of 20.0 Km.

Environmental Clearance is sought for the Proposed Quartz production of 3440 m³ or 8600 TPA (ROM max). Saleable Quartz – 6020 MT/ Annum. The Mining Lease granted on 09.01.2017. Total mining lease area of 19.692 hectares is non-forest Govt. land. The Mining Plan is prepared under Rule 22 of MCR 1960 and approved by Regional Controller of Mines vide letter no.BBS / SNP/Qtz & Gem / MP-257 on dated 29.09.2005.

As estimated mineable reserve under all (proved, probable & possible) categories is 1, 24, 500 MT. Open cast manual method will be adopted on single shift basis with the deployment of Jack hammer, Air Compressor, Tippers, drilling & blasting etc. During this Scheme period, it is proposed to develop the quarry in such a manner that the ore targeted each year shall be


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achieved. The mining shall be done from top of the exposure by slice cutting method. 2 m thick slice shall be excavated within a particular zone each year. At the end of the plan period the quarry floor will be at 118 mRL. ROM raised from the mine will be transported to stacking yard. In the stacking yard, minerals shall be broken manually to get required size as per the demand. The mined out quartz shall be supplied to deferent industries within the State.

Waste includes various types of excavated materials other than Quartz i.e. Soil, overburden, Sub-grade and mineral rejects etc. The waste generated during this plan period will be 4356 m³ including soil and rejects minerals. The waste generated, is proposed to dump almost near to the quarry and over a non-mineralized zone of 0.560 ha area.

Water required for domestic use, sprinkling for dust suppression & plantation etc. Total water requirement for the proposed project is about 15 m³/day. As the requirement of water is not so huge, the mine will draw water as per suitability in accordance to the existing guidelines.

There is no national park, wild life sanctuary, Eco Sensitive Zone and Tiger Reserve situated within 10Kms from the lease area. The following R.F & water bodies are situated within 10Kms from the periphery of the lease area.

Ghikundi RF – 4.5 Km W
Mahanadi River – 9.7 Km S
Harihar Jor – 2.5 Km SE

Total cost of the project will be ₹ 40.0 Lakhs (approx.). As per the norms, Lessee will spend towards CSR activities for the peripheral development towards education, Health check-up camp and maintenance of roads etc. There is no court case /litigation pending against the project.

The proponent made a detailed presentation before the committee on 19.07.2017. The SEAC decided to take decision on the proposal after receipt of the certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Mining plan approved by the IBM in the year 2005 as major mineral. They have to re-approve the mining plan as per Mineral Concession Rules	The mining plan was approved by IBM in the year 2005, when the Quartz was a major mineral, amended on 4 th March 2016 "The mining plan once approved shall be subject to review and updation at an interval of every five years starting from the date of execution of the duly executed lease deed". The mining lease was executed on 11.1,2017. So the present approved mining plan is valid up to 10.1.2022. i.e. for five years w.e.f the date of execution of the Mining lease deed. Copy of executed lease deed is furnished. After expiry of the 5 years period of the present mining plan, next scheme will be approved. Copy of the relevant page of Notification of Ministry of Mines Govt. of India issued on 4 th , March 2016 has been furnished (as per Rule- 17 of the MCR -2016).	Complied.



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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
2.	Year of inclusion of this as minor mineral and copy of notification of Govt. of Odisha in support of the same	Quartz has been declared as a minor mineral by Ministry of Mines, Govt. of India notification dated 10.02.2015. Later on quartz listed under specified minor mineral in schedule-II of OMMCR 2016 Deptt. of Steel and Mines, Govt. of Odisha issued on 14.12.2016.	Complied.
3.	Certificate from the concerned DFO about distance of the Khalasuni Sanctuary from the lease area as well as there is no DLC land involved in lease area	The distance of Khalasuni Wildlife Sanctuary from the lease area is bi-mistakenly mentioned as 12 Km, which is the distance of Rairakhol forest Range. The Khalasuni Sanctuary is falling under the latitude between 210 15' to 210 25' N and longitude between 840 15' to 840 35'E of Bamur Forest Division, in Sambalapur district, where as the Manikpur lease area is falling under the latitude in between 200 55' 29" to 20055' 52" N and longitude in between 840 04' 04" E to 840 04' 19"E in Subarnapur District. This shows the distance of 58.30 Km. The distance has been arrived as per the geo coordinates & from the maps placed in the website by forest department. So the information submitted may be considered for assessment of the distance. After verification of the land details by the revenue mining & forest department the same was recommended for execution of the mining lease & the mining lease deed was executed by Collector Subarnapur who has authenticated the land schedule of the lease deed as non-forest land. So there is no DLC land involved in the lease area.	The proponent has to furnish certificate from the concerned DFO that there is no DLC land involved in lease area.
4.	Village road as well as a nallah are passing inside the lease area. The proponent has to give a detailed proposal for maintaining the village road as well as nallah.	The proposed mining pit area is quite away from the village Road. The road will not be affected due to mining. Proper maintenance of the road by metalling will be done. Water spraying will be done on the road on regular basis to keep the dust under control. Fencing will be done between road and the mines to prevent unauthorized entry in to mining activity area. There is no flow of water or regular water course in the area. The small nalla shown on the surface plan of the approved mining plan over the plot no 123. 142 161 which are tanated lands of mala category as per the land schedule. Inside the private land the low lying land having rain accumulated water was shown as nala which was observed while undertaking,, surface survey in 2004 during preparing the mining plan. Presently the lands are used for occasional agriculture of minor crops.	Complied. Condition to be given in Environmental Clearance.
5.	Hardcopy of all the letters issued by Steel and Mines Department, Govt. of Odisha related to lease approval from 2003 to till date	The Terms and condition was issued by Govt. on 17.9.2003 Since then the continuous efforts and compliances have made by the lessee for execution of the lease deed. As per directive of Govt. of India vide Notification dated 4.3.2016. directing the State Govt. to execute the pending ML granted areas by 11.1.2017. Basing on the satisfactory compliances	Complied.



Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
		made by the lessee the Mining lease could be executed on 11.1.2017. (Ref-Relevant pages of the Govt. of India Notification showing Rule 8(4) Mineral concession Rule-2016 as Annexure - 4) The compliances and letters made at different stages are attached as Annexure - 5	
6.	Certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines	There is no mine neither within the lease area nor within 500 Mtr of the lease area. As per the letter of SEIAA the checklist duly certified by Tahasildar has been submitted by the Tahasildar Biramaharajpur stating all the details has been submitted.	The proponent has to give certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.
7.	Land schedule and kisam of land of lease area	The kissam of the lands are Mala, Atta, Patherbani and unnata jogana Jogya. Land schedule of the lease area as per the executed lease deed which has been authenticated by the collector Subarnapur is submitted for reference as Annexure-1.	Complied.
8.	There is involvement of Gochar land in the lease area. Conversion status of Gochar land with supporting documents	There is no Gochar land involved in the lease area. Land schedule authenticated by Collector, Subarnapur, in lease deed is submitted.	Complied.
9.	There is a primary school located within 600 meter away from the lease area. They shall give an undertaking that they will not do blasting for mining activity	No blasting will be done for regular production of Quartz mineral. The job of breaking of the Quartz mass will be done by using Rock breakers. In case of handling of reject which will not be feasible by rock breaker controlled or chemical blasting will be done.	Complied. Condition to be given in Environmental Clearance.

The SEAC in its meeting held on 05.12.2017, decided to take decision on the proposal after receipt of certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Certificate from the concerned DFO that there is no DLC land involved in lease area.	The DFO, Subarnapur Forest Division has intimated that there is no DLC land involves in lease area.	Complied


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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
2.	Certificate from the concerned Mining Officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.	The mining officer, Bolangir Circle, Bolangir has intimated that there is no other mines located within 500 meter periphery of the mines.	Complied.

Considering the information / documents furnished and presentation made by the proponent, the SEAC consider the proposal as category-B2 and recommended to grant Environmental Clearance for the proposal valid from the date of Environmental Clearance accorded upto the lease period with stipulated conditions as per **Annexure-II**.

7. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR BANKIA QUARTZ AND GEMSTONE MINES OF M/S MANIKESWARI MINERAL, AT – BANKIA, BIRAMAHARAJPUR FOR PRODUCTION OF QUARTZ OF 22618 TPA OVER MINING LEASE AREA OF 21.092 HA.

Bankia mining lease located at village- Bankia under Birmaharajpur Tehsil in Sonapur district of Odisha. The Latitude and Longitude of the site is 20° 56' 45" N to 20°57' 01"N & 84° 05' 19"E to 84° 05' 38"E. (Topo Sheet No. 73D/1). The mine is well connected with Birmaharajpur town at a distance of 10.0 Km and Sonapur at a distance of 24 Km. Environmental Clearance is sought for the Proposed Quartz production of 7440 cum or 18600 TPA (ROM max). Saleable Quartz is 13020 MT/ Annum. The Mining Lease granted on 07.01.2017. Total mining lease area of 21.092 hectares is non-forest Govt. land. The Mining Plan is prepared under Rule 22 of MCR 1960 and approved by Regional Controller of Mines vide letter no. BBS / SNP/Qtz & Gem / MP-255 on dated 29.09.2005.

As estimated mineable reserve under all (proved, probable & possible) categories is 4, 07, 750 MT. Open cast manual method will be adopted on single shift basis with the deployment of Jack hammer, Air Compressor, Tippers, drilling & blasting etc. During this Scheme period, it is proposed to develop the quarry in such a manner that the ore targeted each year shall be achieved. The mining shall be done from top of the exposure by slice cutting method. 2m thick slice shall be excavated within a particular zone each year. At the end of the plan period the quarry floor will be at 124 mRL. ROM raised from the mine will be transported to stacking yard. In the stacking yard, minerals shall be broken manually to get required size as per the demand. The mined out quartz shall be supplied to deferent industries within the State.

Waste includes various types of excavated materials other than Quartz i.e. Soil, overburden, Sub-grade and mineral rejects etc. The waste generated during this plan period will be 8286 m³ including soil and rejects minerals. The waste generated, is proposed to dump almost near to the quarry and over a non-mineralized zone of 1.770 ha area. Water required for domestic use, sprinkling for dust suppression & plantation etc. Total water requirement for the proposed project is about 15 m³/day. As the requirement of water is not so huge, the mine will draw water as per suitability in accordance to the existing guidelines.

There is no national park, wild life sanctuary, eco sensitive areas and Tiger Reserve situated within 10Kms from the lease area. The following R.F & water bodies are situated within 10Kms from the periphery of the lease area.

Hatalimunda RF – 6.0 N
Ghikundi RF – 8.0Km SW



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Mahanadi River – 11 Km S
Harihar Jor – 6.5 Km SE

Total cost of the project will be ₹ 40.0 Lakhs (approx.). As per the norms, Lessee will spend towards CSR activities for the peripheral development towards education, Health check-up camp and maintenance of roads etc. There is no court case /litigation pending against the project.

The proponent made a detailed presentation before the committee on 21.07.2017. The SEAC decided to take decision on the proposal after receipt of the certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
1.	Mining plan approved by the IBM in the year 2005 as major mineral. They have to re-approve the mining plan as per Mineral Concession Rules.	The mining plan was approved by IBM in the year 2005, when the Quartz was a major mineral, amended on 4th March, 2016 "The mining plan once approved shall be subject to review and updation at an interval of every five years starting from the date of execution of the duly executed lease deed". The mining lease was executed on 11.1.2017. So the present approved mining plan is valid up to 10.1.2022. i.e. for five years w.e.f the date of execution of the Mining lease deed. Copy of executed lease deed is enclosed as Annexure - 1). After expiry of the 5 years period of the present mining plan, next scheme will be approved. Copy of the relevant page of Notification of Ministry of Mines Govt. of India issued on 4th March 2016. As per Rule- 17 of the MCR -2016.	Complied.
2.	Certificate from the concerned DFO about distance of the Khalasuni Wildlife Sanctuary from the lease area as well as there is no DLC land involved in lease area.	The distance of Khalasuni Wildlife Sanctuary from the lease area is bi-mistakenly mentioned as 13 Km., which is the distance of Rairakhol forest Range. The Khalasuni Sanctuary is falling under the latitude between 21° 15' to 21° 25' N and longitude between 84° 15' to 84° 35'E of Bamur Forest Division, in Samba lapur district, where as the Bankia lease area is falling under the latitude in between 20° 56' 45" to 20° 57' 01" N and longitude in between 84° 05' 19" to 84° 05' 28" E in This distance of 55.30 Km. The distance has been arrived as per the geo coordinates & from the maps placed in the website by forest department. So the information submitted may be considered for assessment of the distance. Figure: 1 - Khalasuni Sanctuary Map Figure: 2 - Google map showing the distance of Khalasuni Sanctuary and lease area. After verification of the land details by the	The proponent has not complied to furnish certificate from the concerned DFO that there is no DLC land involved in lease area.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
		revenue mining & forest department the same was recommended for execution of the mining lease & the mining lease deed was executed by Collector Subarnapur who has authenticated the land schedule of the lease deed as non forest land.(Ref. Annxure- 1) So there is no DLC land involved in the lease area. so there is no DLC land involved in the lease area	
3.	Hardcopy of all the letters issued by Steel and Mines Department, Govt. of Odisha related to lease approval.	The Terms and condition was issued by Govt. on 18.9.2003. vide letter No 970. Since then the continuous efforts and compliances have made by the lessee for execution of the lease deed. As per directive of Govt of India vide Notification dated 4.3.2016, directing the state govt. to execute the pending ML granted areas by 11.1.2017.ans basing on the satisfactory compliances made by the lessee the Mining lease could be executed on 11.1.2017. (Ref-Relvent pages of the Govt. of India Notification showing Rule 8(4) Mineral concession Rule-2016 as Annexure - 4) The compliances and letters made at different stages are attached as Annexure - 5	Complied
4.	Certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.	There is no mine neither within the lease area nor within 500 Mtr of the lease raea. As per the letter of SEIAA the checklist duly certified by Tahasildar has been submitted by Tahasildar Biramaharajpur stating all the details.	The proponent has not complied to give certificate from the concerned mining officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.
5.	Land schedule and kism of land of lease area.	The kism of the lands are Mala, Atta, Patherabani, &Unnata Jogana Jogya of land in the lease area. Land schedule of the lease area as per the Executed lease deed which has been authenticated by the collector Subarnapur district has been submitted.	Complied.
6.	There is involvement of Gochar land in the lease area. Conversion status of Gochar land with supporting documents.	Gochar land of 18.60 Acres is within the lease area. The mining lease application has been duly recommended by the concerned revenue authorities of the district. With due consideration the mining lease has been granted and executed by collector of Subarnapur district, including Gochar land. As per the provisions of the (Odisha Government Land settlement (Ammendment) Act 1990 Gochar land can be	Complied. Condition to be given in Environmental Clearance.


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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
		diverted by collector of the district who has executed the lease deed. Tahasildar Biramaharajpur have recommended for conversion and grant of surface right of the Gochar land.	
7.	An electric transmission line as well as a RD road passing through the lease area. Detailed proposal to protect the electric transmission line as well as RD road.	There is no electric line as well as RD road passing inside the lease area. Nearest electric line passess at a distance of 0.7 km and nearest RD road passes at a distance of 0.3 km from the lease area. Check list duly signed by Tahasilda has been submitted. However, all precautionary measures will be taken.	Complied.

The SEAC in its meeting held on 05.12.2017, decided to take decision on the proposal after receipt of certain information / documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent
1.	Certificate from the concerned DFO that there is no DLC land involved in lease area.	The DFO, Subarnapur Forest Division has intimated that there is no DLC land involves in lease area.
2.	Certificate from the concerned Mining Officer about the existence of other mines with lease area and lease status within 500 meter periphery of the mines.	The Mining Officer, Bolangir Circle Bolangir has intimated that the M.L.area over 4.892 hectares in village Bhutiapali etc. for quartz and semi-precious mines of M/s Manikeswari Minerals was originally coming within 500 Meters from the M.L. area over 21,092 hectares for quartz and semi-precious stone mines in village Bankia of M/s Manikeswari Minerals. But, the grantee M/s Manikeswari Minerals partly surrendered over an area of 35.21 acres or 14.249 hectares keeping the retained area over 6.843 hectares against the granted area of 21.092 hectares in village Bankia vide their part surrender application dad 19.01.2018. Keeping in view of the part surrender application dated 19.01.2018 of the grantee, the present retained area over 6.843 hectares in village Bankia M.L. area, there is no mines coming within 500 Meters from the boundaryine of Bankia M,L, area of the grantee.

The SEAC observed the following:

- (i) The proponent has revised the mining lease area from 21.092 ha. to 6.843 ha. after surrendering over an area of 35.21 acres or 14.249 ha.



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- (ii) Mining plan was prepared and approved for lease area of 21.092 ha. and Environmental Clearance application was submitted for 21.092 ha. with all documents for 21.092 ha. lease area.
- (iii) Now, the area has been revised to 6.843 ha. for which the proponent has to submit revised application along with approved mining plan and checklist for revised area.

After detailed discussion, the SEAC decided to return the application to SEIAA, Odisha with a request to ask the proponent to apply afresh for revised area with all documents including approved mining plan for revised area.

8. PROPOSAL FOR ENVIRONMENTAL CLEARANCE FOR PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENTS AT PLOT NO- 371,377,378 & OTHER LOCATED AT MOUZA-MADANPUR & DURGAPUR, BUBANESWAR; DIST-KHORDHA OF M/S. DN HOMES PVT. LTD. WITH TOTAL BUILT UP AREA 1, 13,441.92 M² (EC).

1. This is a proposal for Environmental Clearance for Residential Apartments at Plot no. 371, 377, 378 & other located at Mouza-Madanpur& Durgapur, Bhubaneshwar, District -Khordha, Odisha by M/s. DN Homes Pvt. Ltd.
2. The proposal falls under category 'B', section 8 (a) "Building and Construction projects"of Schedule of EIA Notification 2006 and amendment thereafter.
3. Brief project details are given below:

Sl. No.	Description	Details
(i)	Location	Plot No. 371, 377, 378, 87, 370, 372, 373, 374, 375, 376, 379, 381, 382, 618, 619,621& 622, Village- Durgapur & Madanpur, Khordha, Bhubaneswar, Odisha
(ii)	Geographical Co-ordinates	Latitude: 20°14'54.40''N Longitude:85°42'34.05''E
(iii)	Plot Area	8.15425 acres (33,011.0716 m ²)
	Plot affected by road	1584.46 m ²
	Net Plot Area	31,426.6 m ²
	Total Built-Up Area	1,13,441.92 m ²
	Green area	6635.23 m ² (@ 20.10 % of net plot area)
(iv)	Height of the building	45.45 m
(v)	Estimated Population	6647 persons
(vi)	Water Requirement	678 KLD (Fresh water = 447 KLD)
(vii)	Waste WaterGeneration	582 KLD
(viii)	Capacity of STP	715 KLD
(ix)	Solid Waste Generation	2582 kg/day
(x)	Power requirement and source	4379 KVA; State Electricity Board
(xi)	Power back-up	1250 kVA (DG sets of capacity 1 x 500 kVAand 1 x 750 kVA)
(xii)	Number of Rain Water Recharge Pits	08 pits
(xiii)	Parking Required	26,316.22 m ² (Odisha Bye-Laws) (23.19% of built-up area)
	Parking Proposed	26,369.10 m ²

4. The project proponent along with their consultant **M/s Grass Roots Research & Creation India (P) Ltd.,Unit No. 102, 1st Floor, Vardhmaan Mayur Market, CSC 1, MayurVihar Phase-III, New Delhi-110096** made a detailed presentation on Project location and surroundings, Water, Waste water treatment, Water reuse and conservation, Water balance,


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Natural slope and drainage pattern, Solid waste management, Air Quality, Noise level, Energy saving, Parking and traffic circulation, Green Area and landscape, EMP during Construction & Operation phase, etc.

5. The project proponent intimated the following during presentation:

- a) Chandaka-Dampara Wildlife Sanctuary is located at a distance of approx. 4.5 km from the project site. However, the villages Mouza-Madanpur & Durgapur (where project site is located), do not fall under the list of villages of Eco-sensitive Zone of Chandaka-Dampara Wildlife Sanctuary provided in the Gazette Notification S.O. 2906(E) dated 9th September, 2016.
- b) Project Proponent has also submitted an application to National Board for Wildlife for seeking the wildlife NOC. As per the MoEF&CC, Govt. of India order dated 30th March, 2015, the proposals for Environmental Clearance will not be linked with the clearances from forestry and wildlife angle even if it involves forestland and or wildlife habitat as these clearances are independent of each other.
- c) The development of project is in accordance with Master Plan of Bhubaneswar and the building plans have been approved by Bhubaneswar Development Authority for development of Residential Apartments.

6. The committee in its meeting held on 05.01.2018 decided to consider the proposal after receipt of certain information/ documents from the proponent. The proponent furnished the compliance and the SEAC verified the same as follows:.

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Copy of application submitted to National Board for Wildlife (NBWL) for seeking the wildlife clearance	A copy of application submitted to the national Board of Wildlife (NBWL) seeking Wildlife Clearance has been furnished.	Complied.
(ii)	Details of solar energy (percentage wise) to be provided	Approximately 7.22% of the total electrical load will be met through Solar Energy. Details of solar Energy use (Percentage Wise) has been furnished.	Complied.
(iii)	Existing drainage system and proposed if any in the CDP of BDA	As per the CDP of BDA, presently, an external of 0.56 km in East Direction from the project site. It is proposed to construct a storm water drain for discharging the excess run off from project site. CDP of BDA showing the existing and proposed storm water drain has been furnished. The internal storm water drainage plan of proposed project has also been furnished.	The proponent has shown a drain proposed connecting the project site. It is not known the status of the existing drain and the land status to be used for the construction of the proposed connecting drain.
(iv)	Permission status of ground water from Water Resources Department, Govt. of	They have obtained permission from CGWA for abstraction of ground water. Copy of permission has been furnished.	Complied.



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Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
	Odisha	As suggested by the committee, they have also submitted an application to the Water Resource Department, Government of Odisha for seeking the requisite NOC. Copy of acknowledgement has also been furnished.	
(v)	Copy of Bhubaneswar Development Authority (BDA) building plan approval letter and zone identification document from BMC / BDA	The building plans have been approved by Bhubaneswar Development Authority (BDA) for the project. Copy of building plan approval letter from BDA along with the Land conversion document have been furnished.	Complied.
(vi)	Land schedule and kism of land and land conversion documents	Land Schedule, Kism of Land and Land Conversion Documents have been furnished.	Complied.
(vii)	Revised water balance along with detail proposal for discharge of surplus treated water	The surplus treated water generated from STP will be reused to meet HVAC water demand of commercial / annex building located within their project site. Revised water calculations and water balance has been furnished. Detailed calculations for HVAC cooling water have been furnished.	Complied.


7. The SEAC in its meeting held on 09.03.2018, decided to take decision on the proposal after receipt of certain information / documents from the proponent. The proponent has furnished the compliance and the SEAC verified the same as follows:

Sl. No.	Information Sought by SEAC	Compliance furnished by the proponent	Views of the SEAC
(i)	Status of the existing drain and the land status to be used for the construction of the proposed connecting drain	The land for development of said project was purchased by M/s. D. N. Homes Pvt. Ltd. who is the legal owner of the property. Thereafter, the building plan was approved from Bhubaneswar Development Authority (BDA) vide letter no. 20726/BDA, dated 06 Sep., 17. As per the conditions of approved building plan, they have to obtain clearance from BDA for development of infrastructure (including sewer permission, construction of roads, etc.) before commencement of construction of the project. Accordingly, the Engineering Department of BDA has estimated the cost of such works and intimated them to deposit the infrastructure development charges worth ₹ 1,06,46,200/-. The requisite development charges have been deposited to BDA vide challan no. 1415030018173 dated 20 Mar., 2018.	The amount has been deposited by the proponent for development of Road and nothing has been mentioned about the drainage system. The proposed site to be visited to verify the drainage system of the area.

8. The SEAC in its meeting held on 29.03.2018 decided to take decision on the proposal after the visit of the sub-committee of the SEAC to proposed site to verify the drainage system.
9. The sub-committee of SEAC visited the proposed site on 11.04.2018 to verify the drainage system. The Sub-Committee observed the following:
 - (i) This proposed site is a 7.52 Acres plot located in the right side of the Infovally, Durgapur Road. It is a land locked plot having no defined natural storm water drainage system in the immediate vicinity. As such the disposal of waste water from the project shall be a major problem and is definitely shall create adverse environmental issue in the area.
 - (ii) This likely issue was earlier intimated to the proponent. In reply the proponent has submitted document suggesting that they have deposited an amount of ₹ 1,06,46,200/- with BDA for construction of drain and other infrastructure. One of such document is a sketch map showing a drain in the easterly direction along the road originating from the proposed plot.
 - (iii) During the visit the representatives of the proponent explained that the deposited amount shall cover infrastructure (a double lane road joining the Infovally road in the westernly direction which is exactly in opposite direction of the proposed drain along the road. As such the proposed solution to the environmental constraints pointed out earlier remained un-answered.
 - (iv) The proponent is required to come out with a complete proposal for effective disposal of its waste water.


After detailed discussion, the SEAC decided to take decision on the proposal after the proponent submits a complete proposal for effective disposal of its waste water along with the detail breakup of the deposited amount from BDA.



 DR. B. K. PATNAIK
 CHAIRMAN, SEAC



 SRI B.P. SINGH
 MEMBER, SEAC


 SRI B.C. PRUSTY
 MEMBER, SEAC



 DR. D. K. ROUT
 MEMBER, SEAC



 SRI S. BEHERA
 MEMBER, SEAC


 DR. S. C. NAYAK
 MEMBER, SEAC



 SRI A. C. MOHANTY
 MEMBER, SEAC

DR. D. SWAIN
 MEMBER, SEAC


 DR. S.K. BISWAL
 MEMBER, SEAC

APPROVED

 CHAIRMAN, SEAC


 SECRETARY, SEAC


 SECRETARY, SEAC

CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE OF M/S ULTRATECH CEMENT LIMITED. (UNIT- CUTTACK CEMENT WORKS) FOR CLINKER GRINDING UNIT WITH CEMENT PRODUCTION CAPACITY OF 3.0 MTPA (OPC / PSC / PPC / PCC) AND DG SET (2X6 MW) AT KHAMARMUAGAM & KOLTHPANGI, TEHSIL – ATHAGARH, DISTRICT - CUTTACK

A. SPECIFIC CONDITIONS:

1. The Environmental Clearance is granted for Clinker Grinding Unit with Cement of following Production Capacity and D.G. Set (2 x 6 MW).

Product	Capacity
Ordinary Portland Cement	3.0 MTPA
Portland Slag Cement (PSC)	
Portland Pozzolona Cement (PPC)	
Portland Composite Cement (PCC)	

2. The project proponent should install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar.
3. The Standards issued by the MoEF&CC, Govt. of India vide G.S.R. No. 612 (E) dated 25th August, 2014 and subsequent amendment dated 9th May, 2016 and 10th May, 2016 regarding cement plants with respect to particulate matter, SO₂ and NO_x shall be followed.
4. Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. Limit of PM shall be controlled to meet prescribed standards by installing adequate air pollution control.
5. The National Ambient Air Quality Standards issued by the MoEF&CC, Govt. of India vide G.S.R. No. 826 (E) dated 16th November. 2009 shall be followed.
6. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines/Code of Practice issued by the CPCB in this regard shall be followed.
7. All the raw materials shall be stored under covered shed (as proposed) to control fugitive emission.
8. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.
9. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No wastewater shall be discharged outside the factory premises and 'Zero Liquid Discharge (ZLD)' shall be adopted.
10. Efforts shall be made to make use of harvested rain water.
11. All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / re-processors only.



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12. Green belt over 33% (29.7 acres as proposed) of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area and along road sides etc. by planting native and broad leaved species in consultation with local DFO, local community and as per the CPCB guidelines.
13. The project proponent shall provide solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly. The proponent shall use Solar / Renewable energy of 5 % of the expected actual power requirement.
14. The project proponent shall provide LED lights in their offices and residential areas.
15. All the commitments made (as per action plan submitted by the proponent vide letter no. UTCL/ENV/MUN/2018/15, dated 08.03.2018) on the issues raised in petitions received during the Public Hearing / Public Consultation meeting held on 12th October, 2017 shall be satisfactorily implemented as per budget provision made in the action plan. Additional budget if required shall be provided by the proponent.
16. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.
17. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the SEIAA, Odisha as well as to the Regional Office, MoEF&CC, Bhubaneswar.
18. In addition to the above provision of ESC, the proponent shall prepare a detailed CSR Plan for the next 5 years including annual physical and financial targets for the project, which includes village-wise, sector-wise (Health, Education, Sanitation, Skill Development and infrastructure etc.) activities in consultation with the local communities and administration. The plan so prepared shall be based on SMART (Specific, Measurable, Achievable, Relevant and Time bound) concept. The expenditure should be aimed at sustainable development and direct free distribution and temporary relief should not be included. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.
19. A Risk Assessment Study and Disaster Preparedness and Management Plan along with the mitigation measures shall be prepared with a focus of Disaster Prevention and a copy submitted to the SEIAA, Odisha, Regional Office, MoEF&CC, Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.
20. To educate the workers, all the work places where dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.



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21. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

1. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Odisha.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
3. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to the SEIAA, Odisha, Regional Office, MoEF&CC, Bhubaneswar and the SPCB/CPCB once in six months.
4. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
7. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake Socio-Economic Development activities in the surrounding villages like Community Development Programmes, Educational Programmes, drinking water supply and health care etc.
8. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the SEIAA, Odisha as well as the State Pollution Control Board, Odisha. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office, MoEF&CC, Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
9. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
10. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and


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displayed at a convenient location near the main gate of the company in the public domain.

11. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF&CC, Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Regional Office of MoEF&CC at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.
12. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the Regional Office of the MOEF&CC at Bhubaneswar by e-mail.
13. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA, Odisha and copy of the clearance letter is available with the SPCB and may also be available in the Website of the SEIAA, Odisha. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office, MoEF&CC, Bhubaneswar as well as State Pollution Control Board, Odisha.
14. Project authorities shall inform the SEIAA, Odisha as well as the Regional Office, MoEF&CC, Bhubaneswar, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
15. The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
16. The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
17. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous & Other Wastes (Management And Transboundary Movement) Rules, 2016 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.
18. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



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**CONDITIONS TO BE STIPULATED IN ENVIRONMENTAL CLEARANCE FOR MANIKPUR
QUARTZ & GEMSTONE MINE OVER AN AREA 19.692 HA AT VILLAGE MANIKPUR
TAHASIL BIRAMAHARAJPUR IN THE DISTRICT OF SONEPUR OF
M/S MANIKESWARI MINERALS**

A. Specific conditions

1. The Project Proponent shall obtain consent from the State Pollution Control Board, Odisha and effectively implement all the conditions stipulated therein.
2. Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities.
3. Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
4. Project Proponent shall ensure the safeguard and wellbeing of villagers and school, regular health monitoring of all residents in the area and the compliance Report shall be submitted to the Regional office of the Ministry and SEIAA, Odisha.

B. Standard conditions

1. A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the SEIAA, Odisha 5 years in advance of final mine closure for approval.
2. No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.
3. No change in mining technology and scope of working should be made without prior approval of the SEIAA, Odisha.
4. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
5. The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.
6. Mining shall be carried out as per the provisions outlined in the approved mining plan as well as by abiding to the guidelines of Directorate General Mines Safety (DGMS).
7. Protection of vegetation in the surrounding areas, and proper storage of solid waste, subgrade ore and their use have to be given priority during mining operation.
8. Digital processing of the entire lease area using remote sensing technique shall be carried

out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment, Forest and Climate Change its Regional Office and SEIAA, Odisha.

9. Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.
10. Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. The monitoring shall be carried out four times in a year pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board.
11. Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.
12. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.
13. Sufficient number of Gullies to be provided for better management of water. Regular Monitoring of pH shall be included in the monitoring plan and report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.
14. There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.
15. The Project Proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/leveling with the help of dozer/compactors.
16. The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation shall be followed. The local species may be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters



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and allows only species adopted to that micro climate.

17. The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.
18. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.
19. Plantation shall be raised in a 7.5 m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department and as per CPCB Guidelines. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.
20. The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded against felling and plantation of such trees should be promoted.
21. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.
22. As per the Company Act, the CSR cost should be 2 % of average net profit of last three years. Hence CSR expenses should be as per the Company Act/Rule for the Socio Economic Development of the neighborhood Habitats which could be planned and executed by the Project Proponent more systematically based on the 'Need based door to



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door survey' by established Social Institutes/Workers. The report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.

23. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
24. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
25. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
26. The project authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
27. The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Central Pollution Control Board and State Pollution Control Board.
28. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
29. State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
30. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.
31. The SEIAA, Odisha may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
32. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
33. The above mentioned stipulated conditions shall be complied in a time-bound manner. Failure to comply with any of the conditions mentioned above may result in cancellation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.



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