

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA.

No. SEIAA/HR/2017/356

Dated: 25.05.2017

To :

M/s SBIPL Projects Limited.
 11/102 East End Apartments.
 Mayur Vihar, Phase-1, Extn.
 New Delhi.

Subject: Environment Clearance for proposed "Stone Along with Associated Minor Mineral" Mines of "Kalyana Plot No.2" under Category B 1, Tehsil-Dadri, District-Bhiwani, Haryana having area of 29.50 Ha.

This has reference to your application no. nil dated 27.04.2016 addressed to M. S. SEIAA Haryana received online on 11.05.2016 and subsequent letter dated 14.03.2017 seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz.. Form-1, Pre-feasibility report, copy of approved Mining Plan, EIA/EMP on the basis of approved TOR and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF & CC, GOI vide their Notification 21.08.2015, in its meetings held on 31.05.2016 and 07.04.2017.

[2] The SEAC has examined the application and noted that the proposal is for "Stone Along with Associated Minor Mineral" Mines of "Kalyana Plot No.2" under Category B 1, Tehsil-Dadri, District-Bhiwani, Haryana. The Letter of Intent (LOI) has been granted for an area of 29.50 Ha having Village "Kalyana Plot No.2" District-Bhiwani, Haryana for a period of 12 years vide letter dated 11.04.2016. The validity of Mining Scheme in the Mining plan is for 5 years. The project proponent has submitted copy NOC from Forest Department. The SEAC appraised this project under category 1(a) as category B-1 project as other mine lease area is also located within 500 meter. The project proposal has been appraised as per proper procedure of EIA Notification i.e. approval of TOR and Public hearing.

Brief details of the project:

1.	Category/Item no. (in schedule):	1 (a) B-1
2.	Location of Project	Village "Kalyana Plot No.2" under Category B 1, Tehsil-Dadri, District-Bhiwani, Haryana over an area of 29.50 Ha.
3.	Project Details Khasra No.	"Stone Along with Associated Minor Mineral" Mines of "Kalyana Plot No.2" over an area of 29.50 Ha Khasra no. 216

	Production capacity	56, 00. 000 TPA (50 no. x 15 trips/day x 2=1500/day)																				
4.	Project Cost	10 Crores																				
5.	Water Requirement &-Source	32 KLD																				
		Dust suppression & Wet Drilling	16 KLD																			
		Plantation	6 KLD																			
		Drinking	10 KLD																			
6.	Environment Management Plan Budget	25.70 lakh																				
7.	CSR Activates Budget	25 Lakh																				
8.	Production (Year wise)	<table><tr><th>Year</th><th>Bench mrl</th><th>Production</th></tr><tr><td>First</td><td>435 to 325</td><td>50, 00, 000</td></tr><tr><td>Second</td><td>335. to 285</td><td>55, 00, 000</td></tr><tr><td>Third</td><td>295 to 255</td><td>56, 00, 000 ..</td></tr><tr><td>Fourth</td><td>265 to 225</td><td>56, 00, 000</td></tr><tr><td>Fifth</td><td>235 to 205</td><td>56, 00, 000</td></tr></table>			Year	Bench mrl	Production	First	435 to 325	50, 00, 000	Second	335. to 285	55, 00, 000	Third	295 to 255	56, 00, 000 ..	Fourth	265 to 225	56, 00, 000	Fifth	235 to 205	56, 00, 000
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9.	Green belt/ plantation	<table><tr><th>Year of Plantation</th><th>Proposed Plantation</th></tr><tr><td>I Yr.</td><td>1250 Trees</td></tr><tr><td>II Yr.</td><td>1250 Trees</td></tr><tr><td>III Yr.</td><td>1250 Trees</td></tr><tr><td>IV Yr.</td><td>1250 Trees</td></tr><tr><td>V Yr.</td><td>1250 Trees</td></tr></table>			Year of Plantation	Proposed Plantation	I Yr.	1250 Trees	II Yr.	1250 Trees	III Yr.	1250 Trees	IV Yr.	1250 Trees	V Yr.	1250 Trees						
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10.	Machinery required	Excavator, Dozer Crawler Mounted, Wagon Drill with inbuilt Compressors, Air Compressor, Rock Breaker. Diesel Operated Pump, Explosive Van																				

The SEIAA in its 103rd meeting held on 17.05.2017 decided to agree with the recommendations of SEAC to accord Environment Clearance to this project by imposing the following conditions.

SPECIFIC CONDITIONS:

- [1] This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production
First	435 to 325	50, 00, 000
Second	335 to 285	55, 00, 000
Third	295 to 255	56, 00, 000
Fourth	265 to 225	56, 00, 000
Fifth	235 to 205	56, 00, 000

- [2] The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3] The project proponent shall carry out mining activity strictly as per the approved Mining Plan.

- [4] The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 3 meter above the ground water table.
- [5] Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6] The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7] The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8] The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9] The benches height and slope shall be maintained as per approved mining plan.
- [10] Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11] Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12] Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13] The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14] Drills shall either be operated with dust extractors or equipped with water injection system.
- [15] The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slop of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16] Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.

- [17] Garland drains; setting tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall 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 shall also provide adequate pits shall be constructed at the corners of the garland drains and de-silted.
- [18] Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19] Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/Agriculture Department.
- [20] Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. The project proponent shall adopt water curtain technology to suppress the RPM as per the assurance given. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [21] The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22] Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23] Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.
- [24] Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25] Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.

- [26] The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27] The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and approved by the State Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.
- [28] As envisaged, the Project Proponent shall invest at least an amount of Rs. 25.70 lakh as cost for implementing various environmental protection measures including recurring expenses per year.
- [29] A sum of Rs. 25 lakh shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan, be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [30] Budgetary provision of Rs. 15 lakh per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [31] A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
- [32] The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
- [33] The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34] The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.

- [35] The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36] The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.
- [37] The project proponent shall ensure supply of drinking water through RO.
- [38] The beneficiation & processing unit consisting of crushers/screens/conveyors & the chutes; project proponent must ensure that all the equipment through which fugitive emission may emanate be properly covered.
- [39] No water/wet process (as stated in application) is involved in beneficiation & processing unit; instead of having "Dust Suppression System" project proponent may deploy "Dust extraction System" (APCM) consisting of "Bag Filter House" so that precious water can be saved; the resultant "Air Pollution control Unit" being more efficient.
- [40] All the "Transfer points" of crushing/beneficiation unit should be covered & provided with the suitable suction hoods leading to the "Dust extraction system".
- [41] The dust/fine particles collected under the "Bag House" should be extracted & disposed as prescribed by State/Central pollution Control board.
- [42] The project proponent must ensure that $PM_{2.5}$ be monitored continuously and $PM_{2.5}$ level must be well within the prescribed norms of MoEF & CC, GoI/HSPCB. The results of the same may be attached with the compliance report.
- [43] The roads leading to/out of mining area should be properly laid down (Pucca Road) and must remain clean so that particles crushed repeatedly under the wheels of vehicles may not become finer resulting in "Air Pollution".
- [44] "Water Trough" may be provided at the entry/exit of the unit area. Utmost care should be taken not to let fugitive particles escape at the point of loading/unloading of minerals. "Water Curtain" may be installed for segregation of area & suppression of dust.

GENERAL CONDITIONS:

- [i] Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii] Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii] Periodic monitoring of ambient air quality shall be carried out for PM_{10} , $PM_{2.5}$, SO_2 and NO_x monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.

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- [iv] Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
 - [v] Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
 - [vi] Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.
 - [vii] Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
 - [viii] The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
 - [ix] The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
 - [x] The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
 - [xi] Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 - [xii] The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.
 - [xiii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the

same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.

[xiv] All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.

[xv] That the grant of this EC is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time being in force, rests with the industry/unit/project proponent. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of National Green Tribunal Act, 2010.

Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.

Endst. No. SEIAA/HR/2017/

Dated:.....

A copy of the above is forwarded to the following:

1. The Director (IA Division), MoEF&CC, GoI, Indra Paryavaran Bhavan, Zor bagh Road-New Delhi. -
2. The Regional office, Ministry of Environment, Forests & Climate Change, Govt. of India, Bay's no. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Pk1.
4. The Director General, Mines & Geology Department Haryana, Chandigarh.

Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.