No. SEIAA/M.S./2015/858
Registered Dated 07.02.2015

To

The General Manager-cum-Mining Officer,
District Industries Centre,
S.B.S.Nagar

Subject: Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.391 hectares from the Sutlej river bed in the revenue estate of Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar.

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.391 hectares from the Sutlej river bed in the revenue estate of Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 29,295 Ton/year of mining of minor minerals (Sand) will be carried out in an area of 4.391 hectares from the Sutlej riverbed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar in H.B. no. 269, Khasra no.: 24//1, 2, 3, 8, 9, 10, 11, 12, 18, 19, 20, 21, 33/13. NOC has been issued by DFO, Nawanshahar vide no. 6358 dated 19.01.2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized means. The mineral extraction will be done for a period of 225 days in a year excluding
monsoon season. Mining will be carried out only from 8.00 am to 8.00 pm. A safety barrier of 7.5m width will be left intact around the mine lease boundary. Mining will be restricted minimum 3 m away (inward) from the active channel bank and stream. Plantation will be carried out on safety barrier to develop a green belt. No waste will be generated as the entire sand is saleable and will be utilized. About 10-15 tonne capacity tippers will be required for sand transportation. Only 3.80 KLD of water will be used for various purposes which will be taken from nearby village through tanker. Rs.2,57,000/- per annum will be incurred for implementation of EMP.

The case was considered by the SEAC in its 107th meeting held on 21.01.2015 wherein, after detailed deliberations, the Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it. Therefore, the Committee decided to forward the case to the SEIAA with the recommendation to grant Environmental Clearance to the General Manager-cum-Mining Officer.

Thereafter, the case was considered by the SEIAA in its 78th meeting held on 03.02.2014 wherein, the Authority decided to grant environmental clearance for carrying out mining of minor minerals (Sand) @ 29,295 Ton/year in an area of 4.391 hectares from the Sutlej river bed in the revenue estate of Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar bearing H.B. no. 269, Khasra no.: 24//1 (8-0), 2 (8-0), 3 (3-8), 8 (7-18), 9 (8-0), 10 (8-0), 11(8-0), 12(8-0), 18 (4-13), 19(7-13), 20(8-0), 21(2-13), 33/13(4-11), subject to the conditions, in addition to the proposed measures.. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

**A. Specific conditions:**

(i) The environmental clearance will be valid for a period of five years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said location and khasra numbers.

(ii) Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed thereunder as amended from time to time, other Acts/rules related with mining of minor minerals.
(iii) The Mining Officer shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.

(iv) The Mining Officer shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species are reported, the Mining Officer will get a conservation plan prepared in consultation with the Department of Wildlife and ensure its implementation.

(v) The mining of minor mineral (sand) shall be carried out only up to a depth of 3.0 m of the demarcated riverbed level or above the groundwater level, whichever is less.

(vi) The mining activity shall be restricted to the section of river bed where there is no flow of water and no instream mining shall be carried out in any circumstances. Stream shall not be diverted under any circumstances to form inactive channel.

(vii) The Mining Officer shall ensure that the mining shall be carried out by the contractor/lessor as per the EMP prepared and development / mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules related with mining of minor minerals. It shall be ensured that no mining shall be carried out during the monsoon season as defined by the Meteorological Department.

(viii) The Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.

(ix) The Mining Officer shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.

(x) The Mining Officer shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Ministry of Environment & Forests/Punjab Pollution Control Board in this regard.

(xi) The Mining Officer shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.

(xii) The periodic monitoring [(at least four times in a year- pre-monsoon (April May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office at Chandigarh, the Central Ground Water Authority, the Regional
Director, Central Ground Water Board; SEIAA, Punjab and Punjab Pollution Control Board. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.

(xiii) The Mining Officer shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.

(xiv) Appropriate mitigative measures shall be taken by the Mining Officer to prevent pollution at the mining site in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipments used for transportation.

(xv) The transportation route map will be prepared and finalized in such a manner that no vehicle passes through the flowing water section / channel of the river. Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area.

(xvi) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained by the Department and it shall be ensured that tippers carrying mined material are not loaded beyond the permissible load as per designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.

(xvii) Mining shall be carried out only by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized means.

(xviii) The mining activity shall be carried out strictly as per guidelines contained in the Office Memorandum dated 24.12.2013 & other guidelines issued by Ministry of Environment, Forests & Climate Change from time to time and guidelines issued by Geological Survey of India.

(xix) Mineral handling area shall be provided with the adequate number of dust suppression systems. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.

(xx) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

(xxi) Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
(xxii) Dustbins will be provided at site and the workers will be guided to put the domestic waste and plastic carry bags etc. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity and all collected solid waste will be disposed off at the nearest collection centre/dumping site of ULB.

(xxiii) The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e., PM\textsubscript{10}) and NO in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored \textit{(TDS, DO, PH, Faecal Coliform and Total Suspended Solids (TSS))}. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.

(xxiv) The Mining Officer shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. 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. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab.

(xxv) The Mining Officer shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non compliance/violation of environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.

(xxvi) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards as provided in the Vehicular Act.

(xxvii) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.

(xxviii) The Risk assessment and disaster management plan should be prepared.

(xxix) The Mining Officer shall submit the site plan showing the earmarked area for storage of mined material.
(xxx) The Mining Officer shall ensure that the compensation to the private land owner(s) for the mined area shall be made as per the prevalent policy of the State Govt.

(xxxi) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabited or 10 m of outer edge of any village road. No mining shall be carried out within 500 m of upper side and lower side of high level bridge on the rivers. Similarly, no mining shall be carried out within 250 m of upper and lower side of other bridges. To prevent bank erosion, no mining at the concave side of the river channel will be carried out. No mining shall be carried out 100 m inside and 500 m outside of the flood protection bund of river Satluj. A safety barrier of 7.5m width shall be left intact around the mine lease boundary. Mining shall be restricted minimum 3 m away (inward) from the active channel bank and stream.

(xxxii) The project proponent shall ensure that the quantum of material to be mined does not exceed the annual replenishable rate and the original bed level of the river shall be maintained.

(xxxiii) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.

(xxxiv) The protection bundh is not permitted for use as transportation route for the hauling of mined material. In case, use of small stretch of protection bundh is unavoidable for taking the final route, the said portion of the protection bundh shall be maintained in good condition. The said portion shall be used only after obtaining prior written permission of the concerned department and a copy of the same be sent to the SEIAA, Punjab.

B. General Conditions:

(i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests & Climate Change.

(ii) No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.

(iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

(iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Chandigarh and the Punjab Pollution Control Board / Central Pollution Control Board once in six months and SEIAA, Punjab.
(v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.

(vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

(vii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

(viii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chandigarh and SEIAA, Punjab.

(ix) The Mining Officer should inform to the Regional Office of the Ministry of Environment & Forests located at Chandigarh and SEIAA, Punjab regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

(x) The Regional Office of Ministry of Environment & Forests located at Chandigarh and SEIAA, Punjab shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.

(xi) The Mining Officer shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Chandigarh, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board and SEIAA, Punjab. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board and SEIAA, Punjab.

(xii) A copy of the 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 website of the Company by the proponent.
(xiii) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.

(xiv) The environmental statement for each financial year ending 31 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 clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab by e-mail.

(xv) The Mining Officer shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility.

(xvi) The Mining Officer 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 and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of Ministry of Environment & Forests at Chandigarh and SEIAA, Punjab.

(xvii) The Ministry of Environment, Forests & Climate Change and SEIAA, Punjab or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

(xviii) The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.

(xix) Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring the change of river course, if any and report submitted to the Ministry of Environment, Forests & Climate Change & its Regional Office located at Chandigarh and SEIAA, Punjab.

(xx) The Mining Officer shall demarcate the mining lease area in the presence of revenue authorities and concerned Village Panchayat or their representatives. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent bench mark before starting any mining activity at site. The existing river bed level will also be marked on the pillars to be erected before starting the mining activities. Intimation with documentary evidence (photos) before starting activity be submitted to SEIAA, Punjab.

(XXI) The Mining Officer shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall
submit the analysis results to the Ministry of Environment & Forests/Punjab Pollution Control Board and SEIAA, Punjab.

(xxii) The Mining Officer shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.

(xxiii) The Mining Officer may apply for transfer of environmental clearance under EIA notification dated 14.09.2006 to the contractor finalized by the Department of Industries & Commerce to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the environmental clearance is transferred in his name and he is lawfully bound to comply with the conditions of the environmental clearance.

(xxiv) The monitoring of the mining project in respect of Environment Management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.

(xxv) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Member Secretary (SEIAA)

REGISTERED

Endst. No._______ Dated______________

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Chairman, Punjab State Power Corporation Ltd., The Mall, Patiala.
4. The Deputy Commissioner, S.B.S Nagar.
5. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Chief Conservator of Forests (North), Ministry of Environment and Forest, Regional Office, Bays No.24-25, Sector-31-A, Chandigarh.
7. The Chief Town Planner, Department of Town and Country Planning, Punjab, 6th Floor, PUDA Bhawan, Phase-8, Mohali.
8. The Director of Industries & Commerce, Punjab, Udyog Bhawan, 18-Himalaya Marg, Chandigarh.
9. Monitoring Cell, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.

a) Name of the applicant General Manager-cum-Mining Officer
b) Fax Number 01823-226426
c) E-mail gmindnsr@gmail.com
10. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying the environmental clearance on the website of the State Level Environment Impact Assessment Authority.

Member Secretary (SEIAA)