



सत्यमेव जयते

File No: ML/SEAC/SEIAA/PP/WGH/23/2024
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA),
MEGHALAYA)



Dated 19/07/2024



To,

HASHANUZ ZAMAN
BANGALKHATA SAND MINE
C/O ALI AKBOR SARKER, HOUSE NO. 118, BHOLARBHITA, WEST GARO HILLS,
MEGHALAYA- 794104
hashanuzsand@gmail.com

Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project BANGALKHATA SAND MINE submitted to Ministry vide proposal number SIA/ML/MIN/465471/2024 dated 14/03/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0107ML5614308N
(ii) File No.	ML/SEAC/SEIAA/PP/WGH/23/2024
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	BANGALKHATA SAND MINE
(viii) Name of Company/Organization	HASHANUZ ZAMAN
(ix) Location of Project (District, State)	WEST GARO HILLS, MEGHALAYA
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	yes

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were submitted to the Ministry for an appraisal by the State Expert Appraisal Committee (SEAC) in the Ministry under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by State Environment Impact Assessment Authority(SEIAA) in

the meeting held on 10/06/2024. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.

5. The brief about configuration of plant/equipment, products and byproducts and salient features of the project along with environment settings, as submitted by the Project proponent in Form-1 (Part A, B and C)/EIA & EMP Reports/presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on 10/06/2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions as detailed in Annexure (2).
7. The SEIAA has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Expert Appraisal Committee hereby decided to grant EC for instant proposal of M/s. HASHANUZ ZAMAN under the provisions of EIA Notification, 2006 and as amended thereof.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. This issues with the approval of the Competent Authority.

11. A. Standard Conditions

I. Statutory compliance

- 1) This Environmental Clearance (EC) is subject to orders/ Judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
- 2) The Project proponent (PP) shall comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ petition (civil) No. 114 of 2014 in matter of Common Cause versus Union of India & ors before commencing the mining operations.
- 3) The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No.114 of 2014 in matter of Common Cause versus Union of India & ors.
- 4) PP shall obtain Consent to operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish/ Consent to operate from the concerned State Pollution Control Board/Committee.
- 5) The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- 6) The Project Proponent shall obtain consents from all the concerned land owners, before start mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
- 7) The Project Proponent shall follow the mitigation measures provided in MoEF&CC's office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- 8) The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for project.
- 9) A copy of EC letter will be marked to concerned Panchayat/ local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- 10) State Pollution Control Board shall be responsible for display of this EC letter at its Regional Office, District Industries Centre and Collector's office/ Tehsildar's office for 30 days.

11) The project Authorities should widely advertise shall be responsible for display of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional office for compliance and record.

12) The project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

13) The mining lease holders shall after ceasing mining operations, undertake re-grassing the mining areas and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna, etc.

II. Air quality monitoring and preservation

1) The Project Proponent will undertake Ambient Air Quality Monitoring, especially on air pollution viz. PM10, PM2.5, NO₂, CO and SO₂ etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone.

III. Water quality monitoring and preservation

1) Regular monitoring of the flow rate of the springs and perennial nullahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department/ State Pollution Control Board.

2) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Development. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and state Groundwater Department/ State Pollution Control Board.

3) The Project Proponent shall undertake regular monitoring of natural water course/water resources/ springs and perennial nullahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within nearby/adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEF&CC. The monitoring of water courses/bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data 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, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

4) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground water Board/State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF&CC annually.

5) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

IV. Noise and vibration monitoring and prevention

1) The Peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.

2) 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

operation. 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 /night hours.

3) The Project Proponent shall take measures for control of noise levels below 85 dB in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

V. Mining plan

1) The project Proponent shall adhere to the working parameters of mining plan which submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e., quantum of minerals, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, OB & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.

VI. Land Reclamation

1) The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain stability to maintain stability of waste dumps.

VII. Transportation

1) No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

VIII. Green Belt

1) The Project Proponent shall carryout plantation/ afforestation, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. Adequate budgetary provision shall be made for protection and care of trees.

IX. Public hearing and human health issues

1) The Project Proponent shall conduct Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. PP shall also carryout occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEF&CC Regional office on half-yearly basis.

2) The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anemia, and Diarrhea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all

the category of workers and thereafter every five years.

3) The Project Proponent shall ensure that 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.

X. Corporate Environment Responsibility (CER)

1) The activities and budget earmarked for Corporate Environment Responsibility (CER) as per Ministry's O.M No. 22-65/2017-IA. II (M) dated 01.05.2018, should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure, should be submitted to the Regional Office MoEF&CC, Shillong and the Deputy Commissioner concerned annually along with audited statement and also copy of the same be furnished to the SEIAA.

XI. Miscellaneous

1) The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years for the purpose of monitoring land use pattern and submit a report to the SEIAA and the Regional office of the MoEF&CC, Shillong.

2) 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. Copy of the same shall be forwarded to the SEIAA.

3) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEF&CC, Regional office, Shillong, the Regional Office Central Pollution Control Board, Shillong and Meghalaya State Pollution Control Board with intimation to the SEIAA.

4) As per the State Govt. letter No.FoR.68/2014/524 dtd.14.12.2015, PP to contribute @ 10% of the sale proceeds and should be deposited to the respective Divisional Forest officer (Territorial) at the time of collection of forest royalty in the name of Meghalaya Minor Mineral Reclamation Fund (MMRF).

5) The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions and forward a copy of the Monitoring Report to the SEIAA. The project authorities should extend full cooperation to the MoEF&CC officer(s)

6) The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities. Conditions stipulated by these Statutory/Government authorities shall be complied.

Copy To

1. The Principal Chief Conservator of Forests and HoFF Meghalaya, Shillong, for information.
2. The Deputy Director General of Forests (C), Regional Office, N.E.Z, Ministry of Environment, Forests & Climate Change (MoEF&CC), Law-u-sib, Lumbatngen, Sawlad, Near M.T.C. workshop, Shillong- 793 021, for information and necessary action.
3. The Secretary to the Govt. of Meghalaya, Mining & Geology Dept., Shillong for information.
4. The Deputy Commissioner, West Garo Hills, Tura for information and necessary action.
5. The Divisional Forest Officer, West, South and South West Garo Hills (T) Division, Tura for information and necessary action.
6. The Divisional Mining Officer, East Garo Hills, Williamnagar for information.
7. The Member Secretary, State Expert Appraisal Committee, Meghalaya for information.
8. The Member Secretary, Meghalaya Pollution Control Board, 'Arden', Lumpyngngad, Shillong – 793 014 for information and necessary action.

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Additional Conditions

S. No	EC Conditions
1.1	The proponent shall comply with the “Sustainable Sand Mining Management Guidelines, 2016” and Enforcement & Monitoring Guidelines for Sand Mining 2020 issued by the MoEF&CC, GoI.
1.2	The project proponent will ensure necessary protection measures around the mine pit, waste dumps.
1.3	No sand mining activity shall be carried out during the rainy days.
1.4	It shall be ensured that sand mining does not in any way disturb the flow pattern of the river water.
1.5	Sand quarrying shall not be carried out in streams within 15 meters or 1/5 of the width of the stream bed from the bank, whichever is more.
1.6	Sand mining shall not be carried out within 500m of any existing structure such as bridges, dams, weirs, ground water extraction structure(s) either for irrigation or drinking water purposes, or any other cross drainage structure.
1.7	Sand mining operations shall not affect the existing sources for Irrigation or drinking water or industrial purpose.
1.8	Vehicles carrying sand shall not ply over the flood banks except at crossing points or bridges or on a metal road. The emissions from the vehicles shall be maintained within the emission norms.
1.9	The depth of sand mining shall not exceed 1 m and the thickness of tire sand in the mining area shall be more than 6 m even after extraction of sand.
1.10	To assess the sand thickness, the Mining & Geology Department shall map out the area establishing the width and depth / thickness of the sand.
1.11	The trucks shall be covered with Tarpaulin to minimize dust / sand particle emissions. The proponent shall provide alternate roads for transportation of sand to avoid dust pollution & accidents to the villagers, as committed.
1.12	Personnel working in the project shall be provided with personnel protection devices such as masks, gloves etc.
1.13	The project proponent shall take necessary measures to ensure no adverse impacts due to mining operations on the human habitation existing nearby.
1.14	Sand mining shall not be carried out below the ground water table under any circumstances.
1.15	GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
1.16	A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.

S. No	EC Conditions
1.17	Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
boulder stone	boulder stone	4538	Tons per Annum (TPA)	Road	

