



सत्यमेव जयते

File No: HPSEIAA/2024/ 1169

Government of India

Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), HIMACHAL PRADESH)

\*\*\*



Dated 18/10/2024



To,

Lakhwinder Singh  
R/o House no.- 1238, Sector-90, Mohali, Punjab, S.A.S Nagar, PUNJAB, , 140308  
lakhwindersinghmine@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 Extraction of Sand Stone and Bajri from hill slope at Mauza/Mohal Bhadiyaran Tehsil Haroli, District Una H.P. Proposed by Sh. Lakhwinder Singh Prop. M/s Lakhwinder Singh Stone Crusher & Screening plant Unit-III. submitted to Ministry vide proposal number SIA/HP/MIN/457550/2024 dated 09/08/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0108HP5640472N
(ii) File No.	HPSEIAA/2024/ 1169
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals Extraction of Sand Stone and Bajri from hill slope at Mauza/Mohal Bhadiyaran Tehsil Haroli, District Una H.P. Proposed by Sh. Lakhwinder Singh Prop. M/s Lakhwinder Singh Stone Crusher & Screening plant Unit-III.
(vii) Name of Project	LAKHWINDER PANAG
(viii) Name of Company/Organization	UNA, HIMACHAL PRADESH
(ix) Location of Project (District, State)	SEIAA
(x) Issuing Authority	no
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

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 Environment Impact Assessment Authority (SEIAA) Appraisal Committee (SEIAA) 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) Appraisal Committee of SEIAA in the meeting held on 30/09/2024. 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. Brief outline of the project:**

- |  |  |
|--|--|
| a) Proposal No.  | SIA/HP/MIN/457550/2024, Parivesh 2.0<br>HP SEIAA/2024-1169                                       |
| b) Processing fee  | DD No. 000581 dated 30.04.2024 of Rs. 25000/-  |
| c) Project type  | Extraction of Sand, Stone & Bajri.   |
| d) Project Location  | Khasra number 335, 339 & 340 falling in Mauza/Mohal Bhadiyaran, Tehsil Haroli, District Una, HP. |
| e) Jamabandi   | Jamabandi for the year 2016-17.  |
| f) Land Status   | Private Land.  |
| g) Capacity  | 1,51,120 MTPA.   |
| h) Mining Area   | 03-84-11 Hectare, Private land/hill slope.   |
| i) Leases within 500 meter from the periphery of the area applied. | No mining lease exists within 500 meters.  |
| j) Letter of Intent  | Letter of Intent issued on dated 27/07/2023<br>(Valid for one year i.e. up to 26/07/2024)        |
| k) EMP Cost<br>CER cost  | Capital Cost: Rs. 24.20 Lakhs, Recurring Cost: Rs. 17.19 Lakhs annually.<br>Rs. 16.00 Lakhs.     |

7. The SEIAA, in its meeting held on 30/09/2024, 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).
8. 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 Environment Impact Assessment Authority (SEIAA) Appraisal Committee hereby decided to grant EC for instant proposal of M/s. Lakhwinder Singh under the provisions of EIA Notification, 2006 and as amended thereof.
9. The Ministry reserves the right to stipulate additional conditions, if found necessary.
10. 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.
11. This issues with the approval of the Competent Authority.

**Copy To**

1. The Secretary (Environment), Ministry of Environment, Forests & Climate Change (MoEF&CC), GoI, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110003 .
2. The Chairman, Central Pollution Control Board, Him Parivesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032.
3. The Chairman, Himachal Pradesh State Pollution Control Board, Shimla-171009.
4. The Director (Environment, Science & Technology) to the GoHP, Shimla-171001.

5. The Adviser (IA), MoEF&CC, GoI, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110003.
6. The Integrated Regional Office, MoEF&CC, CGO Complex, Shivalik Khand, Longwood, Shimla, HP-171001.
7. The Monitoring Cell, MoEF&CC, GoI, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110003
8. Record File.

## Annexure 1

### Standard EC Conditions for (Mining of minerals)

#### 1. Statutory Compliance

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.2	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.3	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.4	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. TThe implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.7	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
1.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.9	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.10	EC will be valid for a period of five years or upto the validity of Mining Plan whichever is earlier.

#### 2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in

S. No	EC Conditions
	the buffer zone for monitoring of pollutants, namely particulates, SO <sub>2</sub> and NO <sub>x</sub> . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB
2.2	Major approach roads shall be black topped and properly maintained.
2.3	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.4	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
2.5	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.
2.6	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.

### 3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
3.2	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
3.3	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.
3.4	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
3.5	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the

S. No	EC Conditions
	mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.
3.6	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff
3.7	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly
3.8	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.
3.9	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.
3.10	Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years
3.11	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.

#### 4. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
4.2	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

#### 5. Mining Plan

S. No	EC Conditions
5.1	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.2	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).
5.3	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.
5.4	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.
5.5	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
5.6	Transportation by Railway Siding shall be developed to avoid transportation by Road

#### 6. Land Recalvation

S. No	EC Conditions
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
6.2	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.
6.3	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
6.4	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.
6.5	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.

S. No	EC Conditions
6.6	Native tree species shall be selected and planted over areas affected by subsidence.
6.7	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

## 7. Public Hearing And Human Health Issues

S. No	EC Conditions
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
7.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
7.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.
7.5	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.
7.6	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
7.7	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-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'.
7.8	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
7.9	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions in defined populations).

S. No	EC Conditions
7.10	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.
7.11	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)
7.12	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan
7.13	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius

### 8. Corporate Environment Responsibility

S. No	EC Conditions
8.1	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
8.2	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
8.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
8.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
8.5	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority

### 9. Miscellaneous

S. No	EC Conditions
9.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language

S. No	EC Conditions
	within seven days and in addition this shall also be displayed in the project proponent's website permanently.
9.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
9.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
9.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
9.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9.6	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
9.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
9.10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
9.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
9.13	The Regional Office of this Ministry 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.
9.14	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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with

S. No	EC Conditions																																
	their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.																																
9.15	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.																																
9.16	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.																																
9.17	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.																																
9.18	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																																
9.19	<p>1. The capital cost (@ Rs. 4.00 lacs per <math>\leq</math> ha.) under CER, shall be deposited in the form of Demand Draft/ transfer of funds in the bank account number mentioned in EC letter to the office of Director (DEST&amp;CC), GOHP. The Director (DEST&amp;CC) may device a plan for this purpose as per CER guidelines.</p> <p>2. The project proponent shall provide one plastic waste shredder machine to DEST&amp; CC, Shimla within one month from the date of issuance of EC letter, for further distribution under CER. The machines will be purchased from authorised/ approved sources and CMC/AMC will be assured with supplier for at least three years from date of installation. The Project proponent shall be responsible for functioning of the machines. The size of the shredded plastic shall be less than 2.36 mm. Technical specifications of the plastic waste shredder are as under:</p> <table border="1" data-bbox="336 1368 1469 2056"> <thead> <tr> <th colspan="2" data-bbox="336 1368 1469 1406">Plastic Waste Shredder specifications (250Kg/Hr.)</th> </tr> <tr> <th data-bbox="336 1406 738 1444">PARAMETER</th> <th data-bbox="738 1406 1469 1444">SPECIFICATION</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1444 738 1482">Mechanism type</td> <td data-bbox="738 1444 1469 1482">Double shaft with rotating blades</td> </tr> <tr> <td data-bbox="336 1482 738 1559">Application</td> <td data-bbox="738 1482 1469 1559">Shredding of RDF waste (Plastic bags, polythene, rags, leather, rubber etc. found in the Municipal Waste)</td> </tr> <tr> <td data-bbox="336 1559 738 1597">Shredder capacity</td> <td data-bbox="738 1559 1469 1597">250-300 Kg/hr</td> </tr> <tr> <td data-bbox="336 1597 738 1635">Machine Size</td> <td data-bbox="738 1597 1469 1635">Height- 4.5 ft, Length- Any &amp; Width- Any.</td> </tr> <tr> <td data-bbox="336 1635 738 1673">Blade MOC</td> <td data-bbox="738 1635 1469 1673">WP 45/ENOS (Harden)</td> </tr> <tr> <td data-bbox="336 1673 738 1749">Minimum height of hook above shaft &amp; disc</td> <td data-bbox="738 1673 1469 1749">70-80mm</td> </tr> <tr> <td data-bbox="336 1749 738 1787">Output shredded material size</td> <td data-bbox="738 1749 1469 1787">&lt;2.36 mm</td> </tr> <tr> <td data-bbox="336 1787 738 1825">Working chamber</td> <td data-bbox="738 1787 1469 1825">300mm X 380 mm</td> </tr> <tr> <td data-bbox="336 1825 738 1863">Motor HP</td> <td data-bbox="738 1825 1469 1863">7.5HP</td> </tr> <tr> <td data-bbox="336 1863 738 1901">Total motor</td> <td data-bbox="738 1863 1469 1901">1 Nos.</td> </tr> <tr> <td data-bbox="336 1901 738 1939">RPM of shafts</td> <td data-bbox="738 1901 1469 1939">30-40</td> </tr> <tr> <td data-bbox="336 1939 738 1977">Motor make</td> <td data-bbox="738 1939 1469 1977">Havells/ Crompton</td> </tr> <tr> <td data-bbox="336 1977 738 2016">Motor rating</td> <td data-bbox="738 1977 1469 2016">IE2</td> </tr> <tr> <td data-bbox="336 2016 738 2054">Total gearbox</td> <td data-bbox="738 2016 1469 2054">1Nos.</td> </tr> </tbody> </table>	Plastic Waste Shredder specifications (250Kg/Hr.)		PARAMETER	SPECIFICATION	Mechanism type	Double shaft with rotating blades	Application	Shredding of RDF waste (Plastic bags, polythene, rags, leather, rubber etc. found in the Municipal Waste)	Shredder capacity	250-300 Kg/hr	Machine Size	Height- 4.5 ft, Length- Any & Width- Any.	Blade MOC	WP 45/ENOS (Harden)	Minimum height of hook above shaft & disc	70-80mm	Output shredded material size	<2.36 mm	Working chamber	300mm X 380 mm	Motor HP	7.5HP	Total motor	1 Nos.	RPM of shafts	30-40	Motor make	Havells/ Crompton	Motor rating	IE2	Total gearbox	1Nos.
Plastic Waste Shredder specifications (250Kg/Hr.)																																	
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Total motor	1 Nos.																																
RPM of shafts	30-40																																
Motor make	Havells/ Crompton																																
Motor rating	IE2																																
Total gearbox	1Nos.																																

S. No	EC Conditions	
	Hopper size	500mm X 350mm
	Structure & cover & Hopper MOC	MS with paint
	Extra features	Cladding total body
	Supply	3 Phase 440V- 50Hz.
	Panel	
	Panel function	Overload Protection, Short Circuit protection, Tower light, Limit switch for safety (when machine front cover open machine to stop working)
	Warranty	
	Duration	12 months or more
	Scope under warranty	All the spares & repair work including labor

#### **Additional EC Conditions**

1. The mining shall be carried out manually only; no mechanical device shall be used for mining.
2. The mining shall be carried out strictly as per the approved mining plan.
3. The project proponent shall ensure that Forest Clearance, if applicable, shall be obtained before start of the mining activities.
4. The project proponent shall ensure dust mitigation measures by using vetiver grassing technique for soil stabilization.
5. The project proponent shall pay an amount of Rs. 25.00 lac to DEST&CC for establishing vetiver grass nursery which shall serve as a sustainable source of grass for bio-engineering applications, such as slope stabilization, riverbank protection, restoration of closed mining sites and re-vegetation of degraded land. DEST&CC, in consultation with Biodiversity Board, Agriculture, Jal Shakti Vibhag Forest Department etc. set up the same.

**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)
Mining of Stone	Mining of Stone	151120	Tons per Annum (TPA)	Road	