



# Himachal Pradesh State Expert Appraisal Committee

## SEIAA, Himachal Pradesh

Ministry of Environment Forest & Climate Change, Government of India,  
at Department of Environment Science & Technology,  
Paryavaran Bhawan, Near US Club, Shimla-1

Ph: 0177-2656559, 2659608, Fax: 2659609

No. HP SEAC/2008, 16-Vol-V

Dated: 21/2/2019

### MINUTES OF THE 63<sup>rd</sup> MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE HELD IN CONFERENCE HALL, DEPARTMENT OF ENVIRONMENT, SCIENCE & TECHNOLOGY, SHIMLA, ON 21.02.2019

The 63<sup>rd</sup> meeting of State Expert Appraisal Committee for appraisal of the Project proposals received for Environmental Clearance was held on 21.02.2019 in the Conference Hall of Department of Environment, Science & Technology, Shimla. The following were present in the meeting:

Sr.	Name	Designation	
1.	Dr. Ajai Bhandari, IAS (Retd.)	Chairman	✓
2.	Dr. Kulraj Singh Kapoor	Member	
3.	Sh. Arun Kumar Sharma	Member	✓
4.	Dr. Kartar Singh Verma	Member	
5.	Dr. Bhupinder S. Marh	Member	✓
6.	Sh. Achhe Nath Gautam	Member	✓
7.	Pr. Scientific Officer (Env.)	Secretary	✓

The Deliberations were started with permission of Chair.

#### ITEM NO. 1:

The minutes of the 62<sup>nd</sup> meeting of SEAC held from 11<sup>th</sup> January, 2019 discussed and confirmed.

#### ITEM NO. 2: List of cases appraised for TOR & EC.

- 2.1 Sh. Kush Parmar, Gautam Niwas, Near Ram Kundi, Nahan, District-Sirmaur, H.P. Pin-173025.

##### **Brief outline of the project:**

- |                     |  |
|---------------------|--|
| a) Proposal No.     | SIA/HP/MIN/71822/2017 (applied for EC) dated 20.12.2018<br>SIA/HP/MIN/30768/2019 (applied for TOR's) dated 21.01.2019<br>HP SEIAA/2018/600 |
| b) Project type     | Extraction of Sand, Stone & Bajri.   |
| c) Project Location | Khasra number 2171 falling in Mauza & Mohal-Paonta Sahib, Tehsil-Paonta, District-Sirmour, H.P.  |
| d) Capacity         | 93710 TPA  |
| e) Mining Area      | 64-11 Bighas, 5-59-45 ha, Government land (river bed)  |
| f) EMP Cost         | Capital Cost: Rs. 3.6 lakhs; Recurring cost: Rs. 2.3 lakhs   |
| g) CSR cost         | Capital Cost: Rs. 1.0 lakhs; Recurring cost: Rs. 0.30 lakhs  |

The proposed project is extraction of Sand, Stone & Bajri situated in the river Yamuna, which is a primary tributary of the river Ganga. Online proposal for ToR was submitted on 21.01.2019 and hard copy was submitted on 9.01.2019.

The project proponent has submitted Form-1, pre-feasibility report, buffer map of the project site, letter of Intent for mining of minerals issued by Director of Industries, dated 20.08.2016, distance certificate from Mining Officer dated 02.01.2017 regarding mining leases located within 500 meters from the periphery of the other mining leases, joint inspection report dated 16.10.2015, jamabandi certificate from Revenue Department, approved mining plan issued by Industry

Department HP dated 09.10.2017, cross sections of the project site at appropriate intervals in case of riverbed mining showing banks, certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area and list of fast growing species, NOC letter from Nagar Palika, Paonta Sahib dated 12.07.2018, affidavit regarding CSR activities, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined in the light of provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/ State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The case was appraised by the SEAC in 63<sup>rd</sup> Meeting. **The Committee after deliberating on the information submitted by the project proponent and considering the facts placed before the decided to defer the case and list it in next meeting after submission of complete EIA & EMP study report as per the provision of EIA Notification, 2006. Proposal Number SIA/HP/MIN/71822/2017 dated 20/12/18 applied for EC will be considered and proposal No. SIA/HP/MIN/30768/2019 applied for TOR will not be considered and the PP may withdraw the proposal No. SIA/HP/MIN/30768/2019 online.**

**2.2 M/s Akhilesh Enterprises, SPA Kuldeep Singh, R/O Danda, P.O. Rajpur, Tehsil-Paonta Sahib, District-Sirmaur, H.P.**

**Brief outline of the project:**

a) Proposal No.	SIA/HP/MIN/75928/2018 HP SEIAA/2018-579
b) Project type	Extraction of Sand, Stone & Bajri
c) Project Location	Khasra number 857 (Government land), falling in Mauza & Mohal-Kedarpur of Tehsil-Paonta Sahib, District-Sirmaur, H.P.
d) Capacity	1,73,155 TPA and revised 1,76,690 TPA
e) Mining Area	12-41-00 hectare, Govt. land (river bed)
f) EMP Cost	Capital Cost: 2.7 lakhs; Recurring cost: 2.35 lakhs
g) CSR cost	Capital Cost: 0.60 lakhs; Recurring cost: 0.5 lakhs

The proposed project is mining of Sand, Stone & Bajri, which will be carried out only up to a depth of 1 m (3 feet) depth, using hand tools like shovels, pan etc. only during the day time. The entire stretch of mining lease area is Government land which is a part of bed of Yamuna river.

The case was listed in 59<sup>th</sup> meeting of SEAC, with the following observations:

- *The project proponent shall resubmit the application form dully filled and along with complete details as discussed during the meeting.*
- *Keeping in view the project proponent shall revise the mining plan and remove the anomalies, attend the correction as observed by the committee during the meeting.*
- *The project proponent shall submit revised EMP & CSR after consulting the local community w.r.t. possible and need based CSR activities w.r.t. environmental & social concerns.*
- *The project proponent shall submit KML (Keyhole Markup Language) file of mining lease area.*

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in

compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The PP has submitted observation made by SEAC on dated 31.01.2019. The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 500 trees of Shorea robusta/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall undertake the actual replenishment study based on the monsoon and post monsoon data after two years of mining operation and shall submit to SEIAA after incorporating the outcomes in mining plan dully approved by the State Geology Department, the SEIAA after reconsidering the mining plan will permit further mining on the area.
- The project proponent shall ensure creation of safety barriers from river bank, safety barrier at lease boundary for sustainable mining management before start of mining activities.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.
- The project proponent raise the recurring cost for maintaining Haul Road from Rs. 10,000.00 to at least Rs. 50,000.00 per annum.

**2.3 Sh. Sohan Lal Gupta, Director, M/s Crest Steel (Una), Pvt. Ltd. VPO-Kurlahi, Tehsil-Amb, District-Una, H.P. 177 203**

**Brief outline of the project:**

- |                            |   |
|----------------------------|---|
| <b>a) Proposal No.</b>     | SIA/HP/IND/28900/2018<br>HP SEIAA/2018/597  |
| <b>b) Project type</b>     | Expansion of steel manufacturing unit namely "M/s Crest Steel (Una) Pvt. Ltd. (under category 3(a)-metallurgical industry)-Ferrous and Non-ferrous. |
| <b>c) Project Location</b> | Khasra number 2377/505, 515 falling in Mauza-Kalruhi, Tehsil-Amb, District-Una, HP<br>3-84-25 ha (as mentioned in Revenue Deptt.letters)            |
| <b>d) Capacity</b>         | Existing: 350 TPD (or 1,05,000 MT/annum)<br>Revised: 2,35,000 MT/annum  |
| <b>e) Area</b>             | Total land area:50,585.705 sq. m (12.5 acres)   |
| <b>f) Cost of project</b>  | Existing: Rs. 7962.36 lakhs; Proposed: Rs. 720 lakhs (total cost-8442.48 lakhs)   |
| <b>g) EMP cost</b>         | Capital Cost: Rs. 52.5 lakhs; Recurring cost: Rs. 7.5 lakhs (during construction phase); Recurring cost: Rs. 7.5 lakhs (during operation phase)     |
| <b>h) CSR cost</b>         | Total Rs. 7.25 lakhs  |

The project proposal is a secondary metallurgical industry. The unit is an existing industrial unit and exists in notified Industrial area. As the project is undergoing expansion within the existing land. As proposed 31kg/day of domestic solid waste is generated from existing project & after expansion, 44 kg/day of domestic waste will be generated. 4 MT/day of slag is generated from existing unit which is disposed off to low lying areas. After expansion 7 MT/day of slag will be generated. 8 KLD of domestic effluent is being generated which is treated in STP of capacity 30 KLD.

The project proponent has applied for issuance of ToR's on dated 03.12.2018 and online on dated 04.09.2018. The project proponent has submitted Form-1, brief summary of the project, proposed Terms of Reference's, pre-feasibility report, letter from Revenue Department dated 20.02.2013, land details of the area i.e. jamabandi, letter from Revenue Department dated 24.10.2005, copy of Board of Resolution dated 26.06.2018, letter from labor Commissioner-cum-Chief Inspector of Factories, Shimla dated 10.07.2014, drawings of the automatic TMT Bar mills etc.

The case was listed in 62<sup>nd</sup> meeting of SEAC, where it was decided to defer the case in view of the non-submission of EDS sought by the SEIAA Secretariat on the web portal of MoEF&CC.

Now, the PP has submitted the EDS online. The case was appraised by the SEAC in 63<sup>rd</sup> Meeting. **After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of ToR as per the standard ToRs published by MoEF&CC, GoI with the following additional conditions:**

1. The project proponent shall also work out the GLC values for PM 10 & 2.5 with base value through air modeling.
2. The project proponent shall also prepare the water balance assessment sheet.
3. The project proponent shall prepare the ground water recharge plan.
4. The project proponent shall prepare the water recycling plan.
5. The project proponent shall propose plan to install waste heat recovery system (pre heating of combustion air) at the fuel gases of reheating furnace.
6. The plan for practicing the hot charging of slabs and billets/ blooms on furnace.
7. Plan to ensure installation of regenerative type of burners on all reheating furnace.
8. The proponent shall propose zero waste/ liquid discharge plan for the project.

- 2.4 Sh. S.B. Singh, Dy. General Manager, NBBC (India) Ltd. RBG-North, A-4, 8<sup>th</sup> Floor, Logix Technova, Sector-132, Expressway Noida-201301 for All India Institute of Medical Science (AIIMS) at Village-Kothipura, Tehsil & District-Bilaspur, H.P. on behalf of Ministry of Health & Family Welfare, Govt. of India.

**Brief outline of the project:**

- a) **Proposal No.** SIA/HP/NCP/29997/2018 dated 27.11.2018 (TOR)  
SIA/HP/NCP/96030/2019 dated 15.02.2019 (for EC)  
HPSEIAA/2018/601
- b) **Project type** All India Institute of Medical Science (AIIMS) Category 8(b) i.e. building/construction of EIA Notification, 2006.
- c) **Total land required** 1331-19 Bighas
- d) **Total land transferred** 793-13 Bighas

Sr. No.	Revenue Village	Khasra no.	Area in Bighas	Status
1	Changer Plasian	103/97/92/69/1 103/97/92/69/2	114-09 52-09	Land transferred from Animal husbandry
2	Noa	9/1 7	250-09 43-00	
3	Rajpatra	86	60-17	
Total			521-04 Bighas	



Sr. No.	Revenue Village	Khasra no.	Area in Bighas	Status
1	Changer Plasian	102/97/92/69/2/1	160-05	Land transferred from Revenue Deptt.
Total			160-05 Bighas	

Sr. No.	Revenue Village	Khasra no.	Area in Bighas	Status
1	Noa	5	112-04	Land transferred from Animal husbandry
Total			112-04 Bighas	

**e) Balance**

538-06 Bighas (Forest land) Not transferred

Sr. No.	Revenue Village	Khasra no.	Area in Bighas	Status
1	Rajpatra	1510/87/1 299 300/1	115-00 40-17 105-05	FCA case under process.
2	Noa (Additional land)	10 316/14/2	6-18 95-14	
3	Noa	6 402/308/3/1	81-16 92-16	
Total			538-06 Bighas	

- f) **Total Plot area** 9,87,352.03 m<sup>2</sup> (98.73 ha)  
g) **Area under Phase-I** 9,37,697.10 m<sup>2</sup> (93.76 ha) **phase-I** which is having net area of **231.71 acres**  
h) **Proposed FAR** 1,20,723 m<sup>2</sup> (For hospital-71,524 m<sup>2</sup> & 49,199 m<sup>2</sup> for residential)  
i) **Total Built up area** 1,65,011 m<sup>2</sup>  
j) **Cost of project** Rs. 1,138 Crores  
k) **EMP cost** Rs 15 Crores as capital cost for 48 month (1.31% of total cost) and Rs 3.75 crores as recurring cost  
l) **CSR cost** Rs. 5.69 Crores (0.5% of Project Cost i.e. Rs.1138 Crores) for the sustained growth of environment in particular and society in general.

The proposed project is construction of buildings for All India Institute of Medical Science (AIIMS) at Kothipura, Bilaspur. As proposed the total water requirement will be 1372 KLD. As proposed the amount of municipal waste generated will be 3,324kg/day out of which 1,828 kg/day of Bio-degradable waste will be collected. The STP of 735 KLD and ETP of 125 KLD will be installed.

The application for grant of TOR was submitted online vide proposal No. SIA/HP/NCP/29997/2018 dated 27/11/ 2018. The SEAC in its 62<sup>nd</sup> meeting recommended the ToR proposed as per standard conditions laid down by the MoEF&CC and with the following additional ToRs:

- The project proponent shall also assess the air quality of the area using Air Quality Models at different locations including the adjoining gram panchayats.
- The project proponent shall assess and provide comprehensive details of muck disposal in the final EIA/ EMP report.
- The project proponent shall incorporate rain water harvesting structure, storm water management plan details in EIA/EMP.

- The project proponent shall include to setup independent biomedical waste treatment plant within the propose site.
- The project proponent shall revise the contour plan as per MSL height in the EIA/EMP with the reference/ data source details.
- The project proponent shall take baseline readings/data of all natural water bodies/ Spring sources, hand pumps & rivulets in the downstream area, adjoining panchayats / catchment area.
- The project proponent shall take adequate number of samples locations of air, water , soil, noise etc. for preparation of EIA/EMP.
- The project proponent shall also assess vulnerability of livelihood options i.e. agriculture, horticulture etc. in the downstream area.
- The project proponent shall conduct geotechnical, seismic & geophysical studies.
- The project proponent shall provide the detail of waste water treatment facility with potential for recycling of treated waste water.
- The project proponent shall include the details of renewable energy (solar power) in the EIA/EMP report.
- The project proponent shall include details of labour expected to be engaged during construction phase and proposal for mitigation of potential adverse impacts.
- The project proponent shall also assess and account for the floating population aspects for the project.
- The project proponent shall obtain the TCP permission in case applicable.
- The project proponent shall submit the slope aspect report.
- The project proponent shall accord special attention to geological and geo-hydrological aspects.
- The project proponent shall prepare and submit local hydrological map.
- The project proponent shall also submit a letter of agreement with IPH department for assured water supply scheme for the project.
- The project proponent shall prepare the water balance sheet, energy balance sheet and carbon footprint report of the project.
- The traffic/ vehicle flux assessment shall be included in the EIA/ EMP.

The ToR recommended by the SEAC has been approved by the SEIAA in its 39<sup>th</sup> Meeting held on 12<sup>th</sup> January 2019 and a letter of TOR was issued to the project proponent vide letter No. HPSEIAA/2018/601 dated 14/1/2019.

The project proponent submitted the final EIA/EMP report and applied for Environment Clearance vide online proposal No. SIA/HP/NCP/96030/2019 dated 15.02.2019.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. **After deliberating on the information & final EIA/EMP report submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-II with the additional specific conditions as under:**

- **The project proponent shall obtain certificate from IPH department for ensured supply of water.**
- **The project proponent shall ensure recycling at least 50% treated waste water through dual plumbing system after tertiary treatment- MBBR technology and proving the ultraviolet radiation purification.**
- **The project proponent also under take GLC values of PM 2.5.**
- **The project proponent shall provide rain water harvesting structure to minimize the use of excessive use of energy in lifting of water from low lying area tanks, that the use of water may maximized by using gravity.**
- **The project proponent shall ensure the 41% saving of electricity by using the renewable sources of energy.**

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- The project proponent shall set up biomedical waste treatment plant of adequate capacity and shall tie up/ sign MoU with the Shivalik Solid Waste Co. CTSDF for disposal of inert material, hazardous wastes.
- The project proponent shall install a bio-composting machine for municipal solid waste within the campus and will not release any MSW from the campus.
- The project proponent shall store the top soil safely for reuse in landscaping.
- The project proponent shall install solar power plant on rooftop of each block for captive use.

**2.5 Sh. Pushpinder Singh Maini, Partner M/s Om Stone Crusher, Village-Tipri, P.O. Lodhwan, Tehsil-Nurpur, District-Kangra, H.P.**

**Brief outline of the project:**

a) Proposal No.	SIA/HP/MIN/58656/2016 dated 29.08.2016 HP SEIAA/2016-525
b) Project type	Extraction of Sand, Stone & Bajri.
c) Project Location	Khasra number 350, 351, 352 falling in Mohal-Tipri, Mauza Lodhwan, Tehsil-Nurpur, District-Kangra, H.P.
d) Capacity	4,32,900 MT
e) Mining Area	4-05-88 ha
f) EMP Cost	Capital Cost: Rs. 8.5 lakhs; Recurring cost: Rs. 2.5 lakhs
g) CSR cost	Capital Cost: Rs. 2.25 lakhs; Recurring cost: Rs. 0.70 lakhs

The proposed project is extraction of Sand, Stone & Bajri. The project proponent has proposed that the mining mining will be carried out only to a depth of 1 meter (3 feet) depth, using hand tools like shovels, pan etc. only during the day time.

The case was listed in 49<sup>th</sup> meeting of SEAC, with following observations,

- *The project proponent shall submit distance certificate of mining site from state boundary.*
- *The project proponent shall prepare and submit EIA report in view of the fact that the mining lease area is located in a cluster besides the sensitivity of the cluster area.*
- *The project proponent shall submit revised maps with exact scale and indicating the important feature in and around the mining site, with location of other mining sites.*

The proposal was examined in the light of provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The project proponent has complied to the observation of the SEAC. The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 500 trees of Shorea robusta/ (*maljhum/sal*) species.
- The project proponent shall include & provide Patta & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/patta makers in the district for forming Self Help Group & shall provide

a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.

- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall undertake the actual replenishment study based on the monsoon and post monsoon data after two years of mining operation and shall submit to SEIAA after incorporating the outcomes in mining plan duly approved by the State Geology Department, the SEIAA after reconsidering the mining plan will permit further mining on the area.
- The project proponent shall ensure creation of safety barriers from river bank, safety barrier at lease boundary for sustainable mining management before start of mining activities.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.
- The project proponent shall provide cooler fitted with aqua guard and shed and maintenance thereof in GSSS, Lodhwan under CER activity.

**2.6 M/s Himalayan Enviro Care Company, Thakur Sadan Chalaunthi, Sanjauli, Shimla-171006. Brief outline of the project:**

a) Proposal No.	SIA/HP/MIS/27677/2018 HP SEIAA/2018-577
b) Project type	7(da), Common Bio Waste Treatment Facility by Himalayan Enviro Care Co.
c) Project Location	Khasra number 310 at Malyawar, Tehsil-Ghumarwin, District-Bilaspur, Himachal Pradesh, 171 006.
d) Capacity	Bio Medical Waste Incinerator, 200 Kg/hr.
e) EMP Cost	Capital Cost Rs. Recurring Cost Rs.
f) CSR cost	Capital Cost Rs. Recurring Cost Rs.

The proposed project is for setting up of a common Bio Waste Treatment facility at Ghumarwin, District-Bilaspur, H.P. The project proponent has informed that the proposed capacity is 200 Kg/hr and it has been proposed to install ETP having capacity of 10 KLD. The sludge left from ETP shall be disposed to TSDF site. The DG sets of 1x37 KVA will be installed.

The case was listed in 59<sup>th</sup> meeting then 62<sup>nd</sup> meeting of SEAC, where the SEAC decided the case may be listed in next meeting while the EIA report and public hearing report of AIIMS coming up at Bilaspur is placed before the SEAC for consolidated view of both the proposals w.r.t. Bio-medical waste Management Facility. The Committee observed that the proposed Bio-medical Waste Management Facility is located within the vicinity of 25 kms. and therefore, it would not be appreciable to setup two separate such facilities in the same area. The proponent was advised to take up the matter with the district administration, Stated PCB and AIIMS Authorities. The SEAC was of the considered view that it would not be advisable that the hazardous bio medical waste is transported through long distances i.e. from AIIMS to the proposed site. The project proponent was advised to bring the letters of AIIMS, District Admn, letter of All India Medical Association for this purpose.

The project proponent submitted his application on 14.02.2019 along with reply from Addl. District Magistrate-cum-Deputy Director, AIIMS, Bilaspur and a letter from the All India medical Association stating the urgency of proposed facility.

The SEAC observed that the proposed project is only biomedical waste treatment and disposal facility instead of Common Bio Medical Waste treatment facility and the hazardous waste, inert waste etc. shall be safely transported to the CTSDf at Nalagarh, it does not



involve any land fill or any other waste disposal except recycling of recyclable waste and incineration of biomedical waste. The beneficial impact of proposed project on the Civic amenities will be substantial after the commencement of project activities. The basic requirement of the community needs will be strengthened by extending health care to the community, building/Strengthening of existing roads in the area which will help in uplifting the living standards of local communities. The project will create opportunities for employment for the nearby Villagers.

**The proposed capacity of the plant is:**

Sr. NO.	Name of Equipment	Capacity	No.
1	Incinerator	200kg/ hr	1
2	Autoclave	1000 ltrs/ batch	1
3	Sharader	100 kgs/ hr	1
4	ETP	10 KLD	1
5	Online monitoring System	-	1

**The SEAC categorized the case under Category- B2 and hence apprised the case application.**

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-III with the additional specific conditions as under:

- The project proponent shall acquire membership of TSDF.
- The facility would be zero waste discharge facility, no waste water, no solid waste, no land fill.
- The proposed facility will cater to Bilaspur district and surrounding within km radius.
- The Proposed Project shall not exceed capacity to treat upto 200 kg/hr, 4800kg/day of Bio-medical waste per day with above equipment's.
- There is no National Park/ Sanctuaries, Eco-sensitive areas, critically polluted areas and inter-state boundaries within 10 kms of the proposed sites; hence general conditions are not attached as per EIA notification 2016 its amendments.
- Regarding land documents, PP has submitted sale deed dated 25.05.2011 and as per the land documents the land is in the name of Het Ram Thakur, HIMALAYAN ENVIRO CARE CO.
- The total waste requirement for the proposed facility will be restricted to 8 KLD & the fresh water requirement 9KLD.
- The waste generated will be treated in -house ETP of capacity 200kg/hr. The treated water shall be reused in APCDs, Green Belt, etc. The facility shall be developed as **zero liquid discharge (ZLD) system**. No treated waste water shall be let out of the premises of the proposed BWTF. Process effluent will be recirculated in process after proper treatment. The domestic waste water will be collected and treated in packages STP and reused for green belt.
- A surface water drainage line which collects and removes all surface runoff. PP shall ensure proper utilisation of rain water by harvesting by appropriate rain water harvesting mechanisms. Roof water will be collected by adopting proper treatment (Oil and grease trap); the collected water will be used for various uses(dust, suppression, floor washings, toiler flushing, green belt, etc.). Based on rainfall intensity of the plant area, storm water drainage system will be designed.
- Incineration Ash (Ash from incineration for any Bio-medical waste) shall be disposed through hazardous waste treatment, storage and disposal facility within (TSDF) at Nalagarh, if toxic or hazardous constituents are present beyond the prescribed limits as given in Schedule II of the hazardous & other waste management and trans-boundary movement rules or as revised from time to time.
- Power requirement will be sourced from existing line of Himachal Pradesh State Electricity Board (HPSEB). In case of power failure, DG Set will be used.
- Air Emission from flue gases from incinerator due to combustion of Bio-medical waste, SO<sub>2</sub>/NO<sub>2</sub> due to vehicular emissions during loading, unloading and cleaning/ sweeping

activities during transportation, Handling and Treatment of Bio-Medical Waste. For control of air emission, Incinerator will be provided with a stack height meeting MOEF&CC Guidelines (wet scrubber/absorption etc.). Water Sprinkling during loading and unloading activities Development of thick plantation along railway siding, Internal roads will be concreted/asphalted to reduce dust emissions, proper parameters(air and temperature) to be maintained during combustion, to reduce the flue gases formations.

- The BWTF shall not be handling chlorinated plastics and no incineration will be done on Chlorinated bags. There is no change of dioxin and furans generation during incineration.
- 33% of the total Plot area is shall be developed as green belt for further attenuation of noise. Green Belt will also add aesthetic beauty to the Plant and also help in maintaining the Ecological Balance
- Cost of proposed environment measures:

Sr. No.	Particulars	Quantity	Size	Price (INR)
1.	Cost of ETP	1 set	10 KLD	5.9 Lacs
2.	Green Belt Development	LS	As required	1.5 Lacs
3.	Online Monitoring System	LS	As required	9.3 Lacs
4.	Annual Operation Cost of Environment Measures			1.5 Lacs
			<b>Total</b>	<b>18.20 acs</b>

- The proposed project cost:

Sr. No.	Description	Amount (Rs.)
1.	Incinerator Plant	57,05,000.00
2.	Autoclave	14,95,000.00
3.	Shredder	7,70,000.00
4.	Environment Management Plan	18,20,000.00
5.	Shed & Building	10,00,000.00
6.	Misc. (Electricity, Water Supply etc.)	3,00,000.00
	<b>Total</b>	<b>1,10,90,000.00</b>

2.7 Sh. Naresh Kumar, S/o Sh. Dhanu Ram, Village-Dharth, P.O. Saryanj, Tehsil-Arki, District-Solan, H.P.

**Brief outline of the project:**

- a) **Proposal No.** SIA/HP/MIN/95312/2019  
HP SEIAA/614-II
- b) **Project type** Extraction of Stone.
- c) **Project Location** Khasra number 59/3 falling in Mauza-Muknata, Tehsil-Arki, District-Solan, H.P.
- d) **Capacity** 20,000 TPA from hill slope.
- e) **Mining Area** 1-28-68 ha, 17-02 Bighas, hill slope (Pvt. Land)
- f) **EMP Cost** Capital Cost: Rs. 4.00 lakhs; Recurring cost: Rs. 3.00 lakhs
- g) **CSR cost** Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 0.50 lakhs

The proposed project is extraction of Stone. It is proposed that the mining will be carried out manually in addition to JCB, which will be used to dislodge the rocks and to load them in truck for transportation to the proposed crushing unit.

The proposal was examined provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The project proponent has submitted hard copy of application on 13.02.2019, which was submitted through online portal on dated 11.02.2019. The project proponent has submitted Form-1, buffer maps of proposed site, letter of Intent for mining of minerals issued by Director of Industries, dated 16.08.2017, extension of letter of Intent dated 04.10.2018, revenue records, approved mining plan issued by Industry Department HP dated 09.07.2018, affidavit regarding CSR activities, affidavit regarding water availability, joint inspection report dated 24.05.2016, NOC of Gram Panchayat Saryanj dated 25.10.2015, distance certificate from Mining Officer dated 25.08.2018 regarding mining leases located within 500 meters from the periphery of the other mining leases, base line environmental data of air quality, water quality and noise level along with site photographs.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 100 trees of *Shorea robusta*/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.
- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.

2.8 Sh. Naresh Kumar, S/o Sh. Dhanu Ram, Prop. M/s Naresh Stone Crusher, Village-Dharth, P.O. Saryanj, Tehsil-Arki, District-Solan, H.P.

**Brief outline of the project:**

- |                     |  |
|---------------------|--|
| a) Proposal No.     | SIA/HP/MIN/95223/2019<br>HP SEIAA/613-I  |
| b) Project type     | Extraction of Stone.   |
| c) Project Location | Khasra number 72/1/2 and 72/1/3 falling in Mauza-Dharth, Tehsil-Arki, District-Solan, H.P. |
| d) Capacity         | 22910 TPA  |
| e) Mining Area      | 0-99-71 ha, 13-05 Bighas, Pvt. Land, hill slope.   |

f) <b>EMP Cost</b>	Capital Cost: Rs. 3.50 lakhs; Recurring cost: Rs. 2.50 lakhs
g) <b>CSR cost</b>	Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 0.20 lakhs

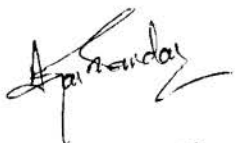
The proposed project is extraction of Stone. Proposed project is an open cast mining project.

The project proponent has submitted hard copy of application on 13.02.2019, which was submitted through online portal on dated 11.02.2019. The project proponent has submitted Form-1, buffer maps of proposed site, letter of Intent for mining of minerals issued by Director of Industries, dated 17.07.2017 and renewed on dated 01.10.2018, land revenue records, approved mining plan issued by Industry Department HP dated 20.03.2018, geological plans, affidavit regarding CSR activities, affidavit regarding water availability, joint inspection report dated 24.05.2016, NOC from Gram Panchayat Saryanj dated 25.10.2015, distance certificate from Mining Officer dated 25.08.2018 regarding mining leases located within 500 meters from the periphery of the other mining leases, Certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. **After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:**

- The project proponent shall plant 100 trees of Shorea robusta/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.
- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.






**2.9 Sh. Manish Mahendra, Village-Shanil, P.O. Durgapur, Tehsil & District-Shimla, Himachal Pradesh.**

**Brief outline of the project:**

a) Proposal No.	SIA/HP/MIN/95182/2019 HP SEIAA/ 2019-615
b) Project type	Extraction of Stone.
c) Project Location	Khasra number 777/477, 778/447 falling in Mauza-Panehal, Tehsil & District-Shimla, H.P.
d) Capacity	5,290 TPA, stone extraction-5000 TPA, waste-263 TPA & top soil-27 TPA.
e) Mining Area	0-44-88 ha, Pvt. land
f) EMP Cost	Capital Cost: Rs. 3.05 lakhs; Recurring cost: Rs. 0.50 lakhs
g) CSR cost	Capital Cost: Rs. 0.75 lakhs; Recurring cost: Rs. 0.50 lakhs

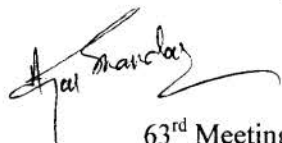
The proposed project is extraction of Stone. Proposed project is an open cast mining project and the mining operation will be carried out manually with the use of hand tools like shovels, hammer, cow bar, pan, sieves etc.

The project proponent has submitted hard copy of application on 13.02.2019, which was submitted through online portal on dated 10.02.2019. The project proponent has submitted Form-1, letter of Intent for mining of minerals issued by Director of Industries, dated 29.12.2017 and its renewal letter dated 29.12.2018, land revenue records, approved mining plan issued by Industry Department HP dated 27.06.2018, geological plans, buffer maps of proposed site, NOC from PCCF, Forest Department dated 19.05.2018, Shimla, regarding distance from wildlife sanctuary, distance certificate from Mining Officer regarding mining leases located within 500 meters from the periphery of the other mining leases, site photographs, joint inspection report dated 06.04.2017, NOC from Gram Panchayat dated 26.12.2017, rain fall data of Sunni, Shimla, letter regarding construction of Rain water harvesting structures in the area, affidavit regarding CSR activities, NOC from I&PH Department, Affidavit regarding dumping of waste material by project proponent, letter from DFO regarding list of flora and fauna of the concerned area dated 07.05.2018, list of fast growing species in the area, affidavit regarding CSR activities base line environmental data of air quality, water quality and noise level.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. **After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:**

- The project proponent shall provide water cooler and provide bricks construction of room in GSSS, Neen under CER activities.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hapseiaashimla@gmail.com](mailto:hapseiaashimla@gmail.com) indicating online proposal number.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.



- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.

**2.10 Mr. Sudershan Singla, M/s N.G. Estate, Gaurav Bhawan By Pass Road, Solan, HP 173212.**

**Brief outline of the project:**

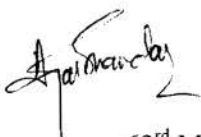
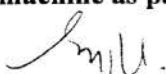
- |    |                            |  |
|----|----------------------------|--|
| a) | <b>Proposal No.</b>        | SIA/HP/NIC/94888/2019<br>HPSEIAA/2019/611  |
| b) | <b>Project type</b>        | Group Housing Project by M/s N.G. Estate" Category 8(a) i.e. building and construction of EIA Notification, 2006   |
| c) | <b>Project Location</b>    | Khasra number at 928/33, 929/33/1 falling at Mauza Lower Bazar and Khasra no. 980/718/568, 984/719/568, 602,604,1025/599/1 & 595 at Mauza Ber khas, Tehsil-Solan, District-Solan, H.P. |
| d) | <b>Total site area</b>     | 22,815.00 m <sup>2</sup>   |
| e) | <b>Total Built up area</b> | 43,969.54 m <sup>2</sup> and 46,411.29 m <sup>2</sup> (including parking)<br>39,897.61 m <sup>2</sup> (excluding parking)  |
| f) | <b>Total plinth area</b>   | 6381.51 m <sup>2</sup>   |
| g) | <b>Cost of project</b>     | Rs. 45 Crores  |
| h) | <b>EMP cost</b>            | <b>Construction Phase:</b><br>Capital Cost: Rs. 8.0 lakhs; Recurring cost: Rs. 2.0 lakhs<br><b>Operation Phase:</b><br>Capital Cost: Rs. 45.0 lakhs; Recurring cost: Rs. 16.5 lakhs    |
| i) | <b>CSR cost</b>            | Capital Cost: Rs. 90.0 lakhs; Recurring cost: Rs. 15.0 lakhs   |

The project comes under the schedule 8(a) i.e. building and construction of EIA Notification, 2006. The proposed project is construction of Group Housing Project by M/s N.G. Estate". It has been proposed that approximately 637 Kg/day domestic solid waste will be generated. The STP has been proposed for capacity of 165 KLD. The total fresh water requirement of the project will be 183 KLD.

The project proponent has submitted hard copy of application on 13.02.2019, which was submitted through online portal on dated 07.02.2019. The project proponent has submitted form-1, form-1A, Google map, conceptual plan, EMP plan, letter from TCP Department, Essentiality certificate from TCP Department, letter from ACS, Revenue dated 30.06.2018, land revenue records, site photographs, maps details etc.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-II with the additional specific conditions as under:

- The technical experts of project proponent shall visit Aima Panchayat, Block Bhawarna, Palampur, District Kangra for demonstration of solid waste management plant and will replicate this model in their project as per the required capacity. No Municipal Solid Waste will be sent out from the project premises for disposal to other site and shall install a biogas plan for biodegradable waste in the project.
- The project proponent shall plant 100 trees of Shorea robusta/ (maljhum/sal) species.
- The project proponent shall include & provide Patta & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/patta makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.

- The project proponent shall also provide two bio-toilet under CER activity to be installed along the approach road to the project site.
- The project proponent shall install roof top solar power plant on each block.
- The project proponent shall adhere to the green building concept as presented.
- The project proponent shall install dual plumbing system for reuse of treated waste water in the buildings proposed under the project.
- The project proponent shall install STP with latest MBBR technology with UV purification and will recycle 40% treated waste water.
- The project proponent shall ensure maintenance of the approach road.
- The project proponent shall take membership of TSDF for disposal of hazardous and inert waste material at Shivalik Solid Waste Co. Nalagarh.
- The project proponent shall submit a copy of the MoU signed with M/s. JLL Ltd. For undertaking the responsibility of post construction activities of the project, including compliance to the terms and conditions of EC.

**2.11 Sh. Ashok Gupta, S/o Late Sh. Ram Rattan Gupta, R/o Sapatu Road, Dharampur, District-Solan, H.P.**

**Brief outline of the project:**

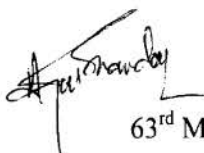
a) Proposal No.	SIA/HP/MIN/93675/2019 HP SEIAA/2019/607
b) Project type	Extraction of Stone.
c) Project Location	Khasra number 7/2 falling in Mauza/Mohal-Talehari-Madho, Tehsil-Pachhad, District-Sirmaur, H.P,
d) Capacity	33,700 TPA
e) Mining Area	13-02 Bighas, 1.1 hectare, private land, hill slope.
f) EMP Cost	Capital Cost: Rs. 3.90 lakhs; Recurring cost: Rs. 2.85 lakhs
g) CSR cost	Capital Cost: Rs.1.20 lakhs; Recurring cost: Rs. 0.25 lakhs

The proposed project is extraction of Stone from hill slope and mining site is located on hill slope besides the village Talheri Madho Ka Naal Nawada.

The project proponent has submitted hard copy of application on 13.02.2019, which was submitted through online portal on dated 01.02.2019. The project proponent has submitted Form-1, letter of Intent for mining of minerals issued by Director of Industries, dated 05.08.2017 and renewal letter dated 16.02.2019, maps, power of attorney by proponent, distance certificate from Mining Officer dated 15.01.2018 regarding mining leases located within 500 meters from the periphery of the other mining leases, joint inspection report dated 09.12.2016, NOC from HP PWD Department dated 30.12.2016, certificate from Forest Department stating that No Forest land is involved, approved mining plan issued by Industry Department HP dated 06.01.2018, Certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area, NOC from Gram Panchayat Sadhna Ghat dated nil, undertaking regarding water availability, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs. Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by



the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 100 trees of Shorea robusta/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal* & *Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.
- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- The project proponent shall not damage/ disturb the transformer situated near the mining site and adhere the condition of Joint Inspection Committee, the pp will maintain sufficient distance not less than 15meters from the transformer.
- The project proponent shall install water purifier for drinking purpose at GPS Rajori under CER activity.

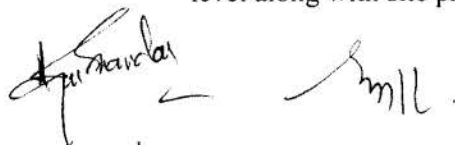
**2.12 Sh. Anil Chauhan, Prop. M/s King Stone Mine & Minerals, The Alfesco, Mashobra, Tehsil & District-Shimla, H.P.**

**Brief outline of the project:**

- |                     |   |
|---------------------|---|
| a) Proposal No.     | SIA/HP/MIN/92743/2019<br>HP SEIAA/2019/604  |
| b) Project type     | Extraction of Stone   |
| c) Project Location | Khasra number 819/733/529/2 (57-16 bighas), 736/534/1 (3-13 bighas), 736/534/1 (3-13 bighas), 818/733/529/1 (15-00 bighas) falling in Mauza-Dhillon, Tehsil-Pachhad, District-Sirmaur, H.P. |
| d) Capacity         | 1,50,000 TPA  |
| e) Mining Area      | 76-09 Bighas , 5.4442 ha private land (Hill slope)  |
| f) EMP Cost         | Capital Cost: Rs. 5.00 lakhs; Recurring cost: Rs. 3.00 lakhs /yr  |
| g) CSR cost         | Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 0.50 lakhs/yr   |

The proposed project is extraction of Stone. The project proponent has proposed that the lease area is a part of hill slope. The mining will be done manually.

The project proponent has submitted hard copy of application on 31.01.2019, which was submitted through online portal on dated 24.01.2019. The project proponent has submitted Form-1, maps of the project area, letter of Intent for mining of minerals issued by Director of Industries, dated 07.09.2018, land revenue records, approved mining plan issued by Industry Department HP dated 01.11.2018, cross sections of the project site at appropriate intervals in case of riverbed mining showing banks, affidavit regarding CER activities, affidavit regarding plantation by project proponent, affidavit regarding water availability, joint inspection report dated 15.09.2017, NOC from Gram Panchayat Bani Bakholi dated 12.05.2017, No objection report from PWD Department, Certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.





The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. The PP has prepared the EIA report and EMP thereof according to the EIA. **After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:**

- The project proponent shall plant 100 trees of *Shorea robusta*/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.
- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- The project proponent shall do the metaling of the approach road of 2.00 km before start of mining activities.

**2.13 Sh. Shyam Kumar, S/o Sh. Sita Ram, Village-Tikkari, Tehsil-Jhandutta, District-Bilaspur, H.P. 174 021.**

**Brief outline of the project:**

a) Proposal No.	SIA/HP/MIN/92686/2019 HP SEIAA/2019-605
b) Project type	Extraction of Sand, Stone & Bajri.
c) Project Location	Khasra number 100 (Government land) falling in Mauza & Mohal-Jhareri, Tehsil-Jhandutta, Bilaspur, H.P.
d) Capacity	1,75,550 TPA from hill slope.
e) Mining Area	8-16-83 ha, Govt. land (river bed)
f) EMP Cost	Capital Cost: Rs. 3.0 lakhs; Recurring cost: Rs. 2.10 lakhs / yr
g) CSR cost	Capital Cost: Rs. 1.0 lakhs; Recurring cost: Rs. 0.50 lakhs/yr

The proposed project is extraction of Sand, Stone & Bajri. The project proponent has proposed that the mining will be carried out only to a depth of 1 meter (3 feet) depth, using hand tools like shovels, pan etc. only during the day time.

The project proponent has submitted hard copy of application on 12.02.2019, which was submitted through online portal on dated 24.01.2019. The project proponent has submitted Form-1, buffer maps of proposed site, letter of Intent for mining of minerals issued by Director of Industries, dated

25.04.2018, land revenue records, approved mining plan issued by Industry Department HP dated 24.12.2018, letter from Mining Officer regarding available mining leases with in 500 meter radius, joint inspection report dated 16.06.2016, affidavit regarding CER activities, certificate from H.P. Forest Department dated 26.11.2018 regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. The PP has prepared the EIA report and EMP thereof according to the EIA. **After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:**

- The project proponent shall plant 500 trees of Shorea robusta/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall undertake the actual replenishment study based on the monsoon and post monsoon data after two years of mining operation and shall submit to SEIAA after incorporating the outcomes in mining plan dully approved by the State Geology Department, the SEIAA after reconsidering the mining plan will permit further mining on the area.
- The project proponent shall ensure creation of safety barriers from river bank, safety barrier at lease boundary for sustainable mining management before start of mining activities.
- The project proponent shall obtain the clearance under FCA before start of mining activities.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.

**2.14 Sh. Anuj Chhabra, M/s Bhakra Stone Crusher, Village-Gondpur Bulla, Tehsil-Haroli, Distt.-Una, H.P.**

**Brief outline of the project:**

- |    |                  |  |
|----|------------------|--|
| a) | Proposal No.     | SIA/HP/MIN/93972/2019<br>HP SEIAA/2019-608                 |
| b) | Project type     | Extraction of Sand, Stone & Bajri.                         |
| c) | Project Location | Khasra number 128, 129, 130, 131, 132, 135, 114, 125, 127, |

	134,139,140,141,142,115,105,106,107,108,109,110 & 116 falling in Mauza-Gondpur Bulla of Tehsil-Haroli, District-Una, H.P.
d) Capacity	30,000 TPA from hill slope.
e) Mining Area	3-96-45 ha, Private land.
f) EMP Cost	Capital Cost: Rs. 4.00 lakhs; Recurring cost: Rs. 2.60 lakhs
g) CSR cost	Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 0.20 lakhs

The proposed project is extraction of Sand, Stone & Bajri from hill slope. The proposed project is open cast Manual and semi-mechanized mining & will be carried out using JCB for loading.

The project proponent has submitted hard copy of application on 07.02.2019, which was submitted through online portal on dated 02.02.2019. The project proponent has submitted Form-1, letter of Intent for mining of minerals issued by Director of Industries, dated 27.03.2018, land revenue records, approved mining plan issued by Industry Department HP, maps, joint inspection report dated 19.06.2015, NOC from Asst. Engineer I&PH, undertaking regarding water availability by project proponent, affidavit regarding CER activities, affidavit regarding plantation, NOC from Gram Panchayat Gondpur Bulla dated 06.07.2014, certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area and list 3 of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. **After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:**

- The project proponent shall plant 100 trees of *Shorea robusta*/ (*maljhum/sal*) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.
- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- The project proponent shall ensure removal of IPH pipe line crossing through the mining site before start of mining operations.




**2.15 Sh. Manav Khanna, S/o Late Sh. Kapil Mohan, Village-Khanpur, Tehsil-Una, District-Una, H.P. 174301.**

**Brief outline of the project:**

- |                            |  |
|----------------------------|--|
| a) <b>Proposal No.</b>     | SIA/HP/MIN/93593/2019<br>HP SEIAA/2019/606                                       |
| b) <b>Project type</b>     | Collection of Sand & Bajri.  |
| c) <b>Project Location</b> | Khasra number 1935 falling in Mauza & Mohal-Khanpur, Tehsil & District-Una, H.P. |
| d) <b>Capacity</b>         | 25,725 TPA   |
| e) <b>Mining Area</b>      | 01-39-00 hectare, river bed (private land).                                      |
| f) <b>EMP Cost</b>         | Capital Cost: Rs. 3.00 lakhs; Recurring cost: Rs. 1.90 lakhs                     |
| g) <b>CSR cost</b>         | Capital Cost: Rs. 1.50 lakhs; Recurring cost: Rs. 0.50 lakhs                     |

The proposed project is for mining of Sand & Bajri. The project proponent has proposed that the lease block is part of Soan river and the project is open cast manual mining.

The project proponent has submitted hard copy of application on 05.02.2019, which was submitted through online portal on dated 31.01.2019. The project proponent has submitted Form-1, maps, letter of Intent for mining of minerals issued by Director of Industries, dated 31.05.2018, land revenue records, distance certificate from Mining Officer dated 26.09.2018 regarding mining leases located within 500 meters from the periphery of the other mining leases, joint inspection report dated 16.04.2018, NOC of water, NOC from Gram Panchayat Khanpur dated 07.01.2018, approved mining plan issued by Industry Department HP dated 06.10.2018 affidavit regarding plantation of species by project proponent, NOC from Gram Panchayat regarding plantation of trees near cremation site, buffer map, certificate from H.P. Forest Department dated 13.08.2018 regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 500 trees of Shorea robusta/ (maljhum/sal) species.
- The project proponent shall include & provide two *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- If mining is on non perennial, the actual replenishment study based on the monsoon and post monsoon data need to be submitted by the project proponent after two years.



- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.

2.16 Sh. Rakesh Kumar, S/o Sh. Piare Lal & Smt. Gurmel Devi, R/o Ward No. 7, Santoshgarh, Tehsil & District-Una, H.P.

**Brief outline of the project:**

a) Proposal No.	SIA/HP/MIN/94229/2019 HP SEIAA/2019-609
b) Project type	Extraction of Sand & Bajri.
c) Project Location	Khasra number 77/1 falling in Mauza-Santoshgarh, Tehsil & District-Una, H.P.
d) Capacity	25,920 TPA
e) Mining Area	1-40-62 ha, Pvt. Land, river bed.
f) EMP Cost	Capital Cost: Rs. 3.00 lakhs; Recurring cost: Rs. 2.50 lakhs
g) CSR cost	Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 1.00 lakhs

The proposed project is extraction of Sand & Bajri. As proposed the mining will be carried out only to a depth of 1 meter (3 feet) depth, using hand tools like shovels, pan etc. only during the day time.

The project proponent has submitted hard copy of application on 12.02.2019, which was submitted through online portal on dated 04.02.2019. The project proponent has submitted Form-1, letter of Intent for mining of minerals issued by Director of Industries, dated 30.05.2018, land revenue records, distance certificate from Mining Officer dated 07.09.2018 regarding mining leases located within 500 meters from the periphery of the other mining leases, joint inspection report dated 26.03.2018, affidavit regarding water availability by project proponent, affidavit regarding CSR activities, letter from Nagar Parishad regarding plantation of trees, approved mining plan issued by Industry Department HP dated 06.10.2018, Certificate from H.P. Forest Department dated 06.07.2018 regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 500 trees of Shorea robusta/ (maljhum/sal) species.
- The project proponent shall include & provide Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall built two bio toilets in NAC Santokhgarh.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.

- The project proponent shall undertake the actual replenishment study based on the monsoon and post monsoon data after two years of mining operation and shall submit to SEIAA after incorporating the outcomes in mining plan dully approved by the State Geology Department, the SEIAA after reconsidering the mining plan will permit further mining on the area.
- The project proponent shall ensure creation of safety barriers from river bank, safety barrier at lease boundary for sustainable mining management before start of mining activities.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.

2.17 Sh. Anuj Chhabra, S/o Sh. S.K. Chhabra, Phase-1B, Shivali Avenue Nayal, District-Ropar, Punjab.

Brief outline of the project:

a) Proposal No.	SIA/HP/MIN/95167/2019 HP SEIAA/2019-612-II
b) Project type	Extraction of Sand, Stone & Bajri.
c) Project Location	Khasra number 6965/2 falling in Mauza-Badehra, Tehsil-Haroli, District-Una, H.P.
d) Capacity	46,080 TPA
e) Mining Area	2-52-25 ha, 65-14 canals, private land (river bed).
f) EMP Cost	Capital Cost: Rs. 2.50 lakhs; Recurring cost: Rs. 2.10 lakhs
g) CSR cost	Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 0.20 lakhs

The proposed project is extraction of Sand, Stone & Bajri. As proposed the mining will be carried out only to a depth of 1 meter (3 feet) depth, using hand tools like shovels, pan etc. only during the day time.

The project proponent has submitted hard copy of application on 12.02.2019, which was submitted through online portal on dated 10.02.2019. The project proponent has submitted Form-1, letter of Intent for mining of minerals issued by Director of Industries, dated 04.05.2018, land revenue records, approved mining plan issued by Industry Department HP dated 16.07.2018, distance certificate from Mining Officer dated 07.02.2019 regarding mining leases located within 500 meters from the periphery of the other mining leases, joint inspection report dated 19.03.2013, affidavit regarding water availability by project proponent, undertaking regarding CSR activities, NOC from Gram Panchayat lower Badhera dated 21.12.2012 certificate from H.P. Forest Department dated 18.07.2018 regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs,

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by

the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 500 trees of Shorea robusta/ (maljhum/sal) species.
- The project proponent shall include & provide *Pattal & Duna* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall undertake the actual replenishment study based on the monsoon and post monsoon data after two years of mining operation and shall submit to SEIAA after incorporating the outcomes in mining plan dully approved by the State Geology Department, the SEIAA after reconsidering the mining plan will permit further mining on the area.
- The project proponent shall ensure creation of safety barriers from river bank, safety barrier at lease boundary for sustainable mining management before start of mining activities.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.

**2.18 Sh. Pratap Singh, S/o Sh. Nihal Singh, Prop. M/s Paras Stone Crusher, VPO-Buruwa, Tehsil-Manali, District-Kullu, H.P.**

**Brief outline of the project:**

a) Proposal No.	SIA/HP/MIN/94949/2019 HP SEIAA/2019/610
b) Project type	Extraction of Sand, Stone & Bajri.
c) Project Location	Khasra number 760 (Government land) falling in Mauza & Mohal-Palchan, Solang of Tehsil-Manali, Kullu, H.P.
d) Capacity	37,120 TPA
e) Mining Area	2-17-54 ha, Govt. land (River Bed)
f) EMP Cost	Capital Cost: Rs. 5.60 lakhs; Recurring cost: Rs. 2.40 lakhs
g) CSR cost	Capital Cost: Rs. 2.60 lakhs; Recurring cost: Rs. 0.06 lakhs

The proposed project is extraction of Sand, Stone & Bajri. The project proponent has proposed that Project is the riverbed mining. The lease area is situated in the Sarai Nala locally also called Pagal Nala, a primary tributary of the Beas river.

The project proponent has submitted hard copy of application on 20.02.2019, which was submitted through online portal on dated 08.02.2019. The project proponent has submitted Form-1, buffer maps of proposed site, letter of Intent for mining of minerals issued by Director of Industries, dated 07.04.2016, letter from Mining Officer regarding available mining leases with in 500 meter radius, land revenue records, approved mining plan issued by Industry Department HP dated 20.08.2015, joint inspection report dated 11.04.2012, surface plan of the area, certificate from H.P. Forest Department dated 15.06.2012 regarding list of flora and fauna of the concerned area and list of fast growing species, NOC from Ministry of Environment, Forest & Climate Change regarding diversion of Forest land in favour of project proponent, NOC from Gram Panchayat Palchan dated 29.10.2010, affidavit regarding CSR activities, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being less than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. After deliberating on the information & compliance submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant trees of maple & fur species (Rai & Tosh).
- The project proponent shall construct two separate toilets for boys and girls in GSSS at Palchan and also provide two bio-toilets (male & female) at Solang tourist spot in consultation with SADA Manali.
- The project proponent shall provide dust bins around the Solang Nala ground in consultation with SADA.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall undertake the actual replenishment study based on the monsoon and post monsoon data after two years of mining operation and shall submit to SEIAA after incorporating the outcomes in mining plan dully approved by the State Geology Department, the SEIAA after reconsidering the mining plan will permit further mining on the area.
- The project proponent shall ensure creation of safety barriers from river bank, safety barrier at lease boundary for sustainable mining management before start of mining activities.
- The project proponent shall erect the permanent boundary pillars before start of mining activities.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The project proponent shall be responsible for ensuring the survival of plantation.

**2.19 M/s Gupta Associates, V.P.O. Dadahu, Tehsil-Renukaji, District-Sirmaur, H.P. 173022.**

**Brief outline of the project:**

- |                     |  |
|---------------------|--|
| a) Proposal No.     | SIA/HP/MIN/31575/2019<br>HP SEIAA/2018/616                                 |
| b) Project type     | Extraction of Lime Stone.  |
| c) Project Location | Khasra number 1361/2 falling in Mauza-Mandoli, Tehsil-Sangrah, Sirmaur, HP |
| d) Capacity         | 7,50,000 MT for the leased period of 5 years.                              |
| e) Mining Area      | 15-55-00 ha, 192-17 Bighas, Pvt. Land                                      |
| f) EMP Cost         | Capital Cost: Rs. 8.00 lakhs; Recurring cost: Rs. 1.5 lakhs                |
| g) CSR cost         | Capital Cost: Rs. 2.0 lakhs; Recurring cost: Rs. 0.35 lakhs                |

The proposed project is extraction of Lime stone. As proposed by the project proponent the project is on hill slope. The land will be reclaimed after spreading the top soil on pit.

The project proponent has submitted hard copy of application on 20.02.2019, which was submitted through online portal on dated 19.02.2019. The project proponent has submitted Form-1, buffer maps of proposed site, letter of Intent for mining of minerals issued by Director of Industries, dated




20.07.2015, letter from Mining Officer regarding available mining leases with in 500 meter radius dated 14.02.2019, land revenue records, draft mining plan, certificate from H.P. Forest Department dated 12.02.2019 regarding list of flora and fauna of the concerned area and list of fast growing species, NOC from Gram Panchayat Mandoli dated 12.02.2019, affidavit regarding CSR activities, base line environmental data of air quality, water quality and noise level along with site photographs.

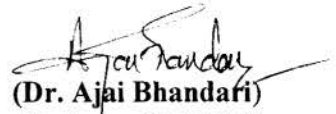
The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13<sup>th</sup> September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The case was appraised by SEAC in 63<sup>rd</sup> Meeting. **After deliberating on the information submitted and considering the facts placed before the committee, the SEAC observed that the proponent could not place on record the copy of letter of approval of mining plan from the competent Authority. Therefore, it was decided to list the case in next meeting after compliance to the following observations:**

- The PP shall submit the copy of letter of approval of Mining Plan from the competent Authority.
- The project proponent shall submit Environmental Plan on 1:5000, key plan 1: 50000, surface plan in 1: 2000, Geological plan / section in 1:1000/ 1: 2000 Scale.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: [hpseiaashimla@gmail.com](mailto:hpseiaashimla@gmail.com) indicating online proposal number.
- The project proponent shall revise the EMP & CSR cost as per directions of the SEAC.

Meeting ended with vote of thanks to and from the Chair.

  
Secretary,  
HP SEAC

  
(Dr. Ajai Bhandari)  
Chairman, HPSEAC

Endst. No.: SEAC 63<sup>rd</sup> Meeting /2019-


Dated

21/2/2019

Copy to following for information and further necessary action please:

1. The Member Secretary, State Level Environment Impact Assessment Authority, Himachal Pradesh, Shimla-1.
2. Case files of all projects, Guard file.

**Note:** Minutes of the Meeting are being hosted on the official website of SEIAA and all concerned shall download it for taking further necessary actions relevant to their project.

  
**Secretary**  
Himachal Pradesh State Expert Appraisal Committee,  
Shimla, Himachal Pradesh.

## Mining Projects

### A. 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 complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2<sup>nd</sup> 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 2<sup>nd</sup> August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors.
- 4 This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
- 5 This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
- 6 Project Proponent (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.
- 7 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.
- 8 The Project Proponent shall obtain consents from all the concerned land owners, before start of 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.
- 9 The Project Proponent shall follow the mitigation measures provided in MoEFCC'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 areal.
- 10 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 the project.
- 11 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.
- 12 State Pollution Control Board/Committee 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.
- 13 The Project Authorities should widely advertise about the grant 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](http://www.parivesh.nic.in)). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- 14 The Project Proponent shall inform the SEIAA 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.

## **B. Air Quality Monitoring And Preservation**

15. The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO<sub>2</sub>, CO<sub>2</sub> and SO<sub>2</sub> 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. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
16. Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

## **C. Water quality monitoring and preservation**

- 17 In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- 18 Regular monitoring of the flow rate of the springs and perennial nallahs 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 table 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 & SEIAA
- 19 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 well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. 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.
- 20 The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs 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 and 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 MoEFCC. 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 Regional Office, MOEFCC, SEIAA, 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.

21. Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
22. 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 MoEFCC & SEIAA annually.
23. Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
24. 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, SEIAA and State Pollution Control Board/Committee.

**D. Noise and vibration monitoring and prevention**

25. The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
26. 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 /night hours.
27. The Project Proponent shall take measures for control of noise levels below 85 dBA 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.

**E. Mining plan**

28. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, 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, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the SEIAA, 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.
29. The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change & SEIAA for record and verification.



30. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the concerned Regional Office, MoEFCC & SEIAA.

**F. Land reclamation**

31. The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
32. 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 the stability of waste dumps.
33. The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
34. The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
35. The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC & SEIAA.
36. Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
37. Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
38. The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

**G. Transportation**

39. 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.

40. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

## **H. Green Belt**

41. The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the SEIAA irrespective of the stipulation made in approved mine plan.
42. The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, 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 be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
43. The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
44. The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
45. And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry & SEIAA

## **I. Public hearing and human health issues**

46. The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. 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 MoEFCC Regional Office, SEIAA and DGMS on half-yearly basis.
47. 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 neighbourhood has to focus on Public Health

Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea 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.

48. The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 × 14 inches and of good quality).
49. The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 - 24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC & SEIAA annually along with details of the relief and compensation paid to workers having above indications.
50. 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.
51. Project Proponent shall make provision for the housing for workers/labours or shall construct labour camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
52. The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry, SEIAA along with District Administration.

#### **J. Corporate Environment Responsibility (CER)**

53. The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC 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 developed & road constructed needs to be submitted to Regional Office MoEF&CC & SEIAA annually along with audited statement.

54. Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office & SEIAA.

**K. Miscellaneous**

55. The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC & SEIAA
56. The Project Authorities should inform to the Regional Office & SEIAA regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
57. The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, SEIAA, Central Pollution Control Board and State Pollution Control Board.
58. A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC & SEIAA.
59. The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) & competent Authority by furnishing the requisite data / information / monitoring reports.



## Construction Projects

### I. Statutory compliance:

- i. This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa foundation Vs Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.
- ii. 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.
- iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iv. 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. The 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).
- v. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Preventions & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee. A copy of same shall be submitted to State Environment Impact Assessment Authority (SEIAA) before start of any construction work at the site.
- vi. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project.
- vii. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix. The environment clearance is only for the said project. Any other activity within the project area would require separate environment clearance, as applicable under EIA Notification, 2006 as amended from time to time. For all the individual units, environment clearances, as applicable, shall be obtained from the respective regulatory authorities.
- x. The buildings shall have adequate distance (as per the building bye laws) between them to allow movement of fresh air and passage of natural light, air and ventilation in accordance with guidelines of local authorities.

### II. Air quality monitoring and preservation

- i. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/ criterion parameters relevant to the main pollutant released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within the outside the project area at least at four locations (one within and three outside the project area at the angle of 120° each), covering upwind directions.
- ii. The D.G. sets to be used during development/ construction phase shall be in conformity to Environment (Protection) Rules prescribed for air and noise emission standards. Storage of diesel shall be made underground and necessary approvals/ permissions from Chief Controller of Explosive shall be obtained as per Rules.
- iii. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking, loading and unloading shall be fully internalized and no public space shall be utilized.
- iv. Vehicles hired for bringing construction material or any other material to the site should have a Pollution Under Control (PUC) certificate and shall conform to applicable air and noise emission standards and shall be operated only during non-peak hours.

### III. Water quality monitoring and preservation

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986.
- ii. Construction of storm water drains for collection, storage and its re-use as per guidelines of Central Ground Water Authority (CGWA).
- iii. The project proponent shall report to the State Pollution Control Board about the compliance of the prescribed standards for all discharges from the project area into the water bodies.
- iv. Fixtures for showers, toilets flushing and drinking shall be low flow either by use of aerators or pressure reducing devices or sensor based control.
- v. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/ recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the concerned Regional Office of the Ministry along with six monthly monitoring reports.
- vi. Water demand during development/ construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- vii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient number of piezometers/ sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- viii. The project proponent shall make efforts to minimize water consumption in the project area by segregation of used water, practicing cascade use and by recycling treated water.
- ix. The member units shall treat the effluent to meet the prescribed CETP (Common Effluent Treatment Plant) inlet norms.
- x. The member units shall provide RCC tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.
- xi. Proper flow meters along with online monitoring facilities shall be provided to monitor the effluent quality and quantity sent from member units to CETP and from CETP to the final disposal/ re-use on a continuous basis.
- xii. The installation of the Effluent Treatment Plant/Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Member Secretary, HPSEIAA at Director, Department of Environment, Science & Technology before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards prescribed. Necessary measures should be made to mitigate the odour problem from STP.
- xiii. Adequate steps should be taken to prevent odour problem from solid waste processing site and STP.
- xiv. Weep holes in the compound walls shall be provided to ensure natural draining of rain water in the catchment area during the monsoon period.
- xv. To achieve the Zero Liquid Discharge, waste water generated from different operations shall be properly collected, treated to the prescribed standards then recycled or reused for the identified use.
- xvi. The project should not amend or alter the pathways of the natural streams or creeks/ nallah flowing.
- xvii. Rain water harvesting of roof run-off and surface run-off, as plan submitted shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging at least 4 m above the highest ground water table.

#### **IV. Noise monitoring and prevention**

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform the standards prescribed under Environment (Protection) Act and Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- iii. Maximum natural light provision shall be kept in the buildings.

#### **V. Energy conservation measures.**

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- ii. Provide LED lights in the project area.

## **VI. Waste management**

- i. Disposal of muck during development/ construction phase will be disposed off at designated area and it shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. The ground water quality of the adjacent to dumping area shall be monitored and report to be submitted to SEIAA and concerned Regional Office of MoEF&CC.
- ii. Fly ash bricks shall be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and 25<sup>th</sup> January, 2016.
- iii. All hazardous waste generated during development/ construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the Central Pollution Control Board/ State Pollution Control Board.
- iv. Used LEDs shall be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible. Energy conservation measures should be as per Bureau of Energy Efficiently (BEE) standards.
- v. Air pollution and the solid waste management aspects need to be properly addressed ensuring compliance of the Construction and Demolition Waste Management Rules, 2016.
- vi. The solid waste generated shall be properly collected and segregated in accordance with the Solid Waste Management Rules, 2016. Wet garbage shall be composted and dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. No municipal waste shall be disposed off outside the premises.

## **VII. Green Belt**

- i. The green belt/ plantation of a width of 15 m shall be provided all along the periphery of project area with native species. 33% of the plotted area shall be kept as green area with native species. The time bound action plan for green belt/ plantation be submitted to the SEIAA and concerned Regional Office of MoEF&CC within three months of issue of this letter.
- ii. Cutting of plants/ trees shall be completely avoided by the construction labours.
- iii. Management plan for biodiversity conservation along with the implementation schedule shall be prepared with the help of concerned government institution/ State Forest Department, and same to be submitted to SEIAA and concerned Regional Office of MoEF&CC before commencement of work. Sufficient fund provision to be made to implement the same.
- iv. All the topsoil excavated during the development/ construction activities shall be stored for use in horticulture/ landscape development within the project site. Report shall be submitted to SEIAA and concerned Regional Office of MoEF&CC.
- v. For monitoring of land use pattern, a time series of land use maps, based on satellite imagery (on a scale of 1:5000) of the core zone and buffer zone, shall be prepared once in 3 years (for any one particular season which is consistent in the time series), and the report submitted to SEIAA and concerned RO of MoEF&CC.

## **VIII. Public hearing and Human health issues**

- i. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- ii. Occupational health surveillance of the workers shall be done on a regular basis and records to be maintained as per the Factories/Labour Act.

## **IX. CER (Corporate Environment Responsibility)**

- i. The project proponent shall comply with the provisions contained in the MoEF&CC OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding CER.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy shall 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/ stakeholders. The copy of the board resolution in this regard shall be submitted to the SEIAA and concerned RO of MoEF&CC as a part of six monthly compliance report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be setup under the control of senior executive, who will directly report to the head of the organization with all details to be submitted to SEIAA.
- iv. Action plan for implementing EMP and environmental conditions alongwith responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environment protection measure shall be kept in separate account and not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIAA and concerned RO, MoEF&CC with the six monthly compliance report.
- v. Self environmental audit shall be conducted annually. Every three year third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) regarding plants located in the project site shall be implemented.
- vii. Special purpose vehicle shall be established for implementation, monitoring and compliance of the environmental safeguards.

#### **X. Miscellaneous**

- i. Construction material shall be purchased from approved/ authorized places.
- ii. Parking space to accommodate trucks, cars two wheelers any bicycles shall be provided as per norms.
- iii. 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 news papers of the district or state, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's web site permanently.
- iv. The copies of the environment 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.
- v. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their web site and update the same on half-yearly basis.
- vi. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- vii. 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 & Climate Change on environment clearance portal.
- viii. The project proponent shall submit the environmental statement for each financial year to the concerned State Pollution Control Board as prescribed under Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company with a copy to SEIAA.
- ix. The project proponent shall inform the Regional Office as well as SEIAA the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- x. The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xi. The project proponent shall abide by all the commitments and recommendations made in EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.



- xii. No further expansion or modification in the project will be carried out without prior approval of the SEIAA.
- xiii. Concealing factual data or submission of false/ fabricated data may result in revocation of this environment clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The SEIAA reserves the right to stipulate additional conditions if found necessary. The project proponent shall implement these conditions in a time bound manner.
- xvi. The Regional Office of MoEF&CC 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.
- xvii. 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 with amendments and any other orders passed by the Hon'ble Supreme Court of India/ High Courts, Hon'ble National Green Tribunal and any other Court of Law relating to the subject Matter.
- xviii. Any appeal against this EC 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.

## Bio-medical Waste Projects

**A. SPECIFIC CONDITIONS:**

1. The entire demand of fresh water shall be met through authorised source and there will be no extraction of ground water.
2. This EC will be subject to location criteria to be decided by HPPCB specially the proximity to the humans settlement shall be avoided.
3. The PP will take prior permission of HPPCB for establishing BWTF at the site in reference to the revised guidelines of CPCB-2016 for BWTF before installation.
4. The PP shall install the ETP for treatment and disposal of effluent and zero discharge shall be maintained.
5. Guidelines of CPCB/ SPCB of Bio-Medical Waste, Hazardous, Incinerators shall be followed.
6. No landfill site will be allowed within BWTF site and all the inert, hazardous material shall be sent to CTSDf at Nalagarh, Solan.
7. Eco-sorb (organic and Biodegradable chemical) and alumina will be used around order generation areas at regular intervals for dilution of Odorant by Odour counteraction neutralize.
8. The PP will ensure to use only non-chlorinated bags for handling and storing Bio-medical waste. In any case, PP is not allowed to use Poly and Plastic Bags.
9. All safety measures will be strictly followed by workers for handling bio-medical wastes bags during storage and feeding at incinerator to prevent health hazard.
10. Incinerator shall be properly interlocked with venture, scrubber to control air-pollution.
11. Incinerated ash and ETP sludge shall be disposed at approved TSDF and MoU made in this regard shall be done prior to the commencements of operation. A copy of MoU shall be submitted to SEIAA.
12. Colour coding for handling waste be strictly followed as per BMW Rules 2016.
13. The PP shall ensure the rain water harvesting by providing of recharging pits. In addition, PP should provide recharging trenches. The base of the trenches should be kacha with pebbles.
14. PP shall install continuous online monitoring system to monitor the emission from the stack. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include dioxin and furan.
15. Proper parking facility should be provided for employees and transport used for collection and disposal of waste materials.
16. Necessary provisions shall be made for fire fighting facilities within the BWTF.
17. The PP should carry out periodical air quality monitoring in and around the site including VOC, HC.
18. The PP shall ensure to conduct quarterly health check ups of workers working in the plant.
19. The PP shall develop adequate green belt all along the periphery of the species that are significant and are used for the pollution abatement. Besides this, PP will explore the possibility to develop dense green belt by planting thick foliage trees to develop buffer zone in the additional land belongs to PP on eastern direction towards road to suppress emissions.
20. Incineration plants shall be operated (Combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
21. Transportation and handling of Bio-Medical Wastes shall be as per the Biomedical Wastes (Management and Handling ) Rules, 2000 including the section 129 to 137 of Central Motor vehicles Rules, 1989.
22. The proponent shall ensure that the project fulfils all the provision of the Hazardous Wastes ( Management, Handling and Trans-boundary rules, 2008 including collection and transportation designs and also guidelines for common hazardous wastes incineration-2005, issued by CPCB.
23. The PP shall ensure installation of Photovoltaic cells (Solar-energy) for lighting in common areas, LED light fixtures, and other energy efficient plant machineries and equipment's.
24. The containers shall be covered during transportation in order to prevent exposure of public to odours and contamination.
25. The transportation of biomedical waste will be done as per required standard and through desired completely closed vehicles.
26. The PP shall have storage rooms separately for treated and untreated waste.

27. The PP shall ensure the traffic movement plan, parking facilities and road width.
28. The PP shall develop green belt at least minimum of 40% in Plant Premises as per CPCB Guidelines with native species/ Pollution absorbing species.

**B. GENERAL CONDITIONS:**

**(i) Pre Construction Phase:**

1. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
2. For dust suppression, regular sprinkling of water should be undertaken.
3. The entire area shall be covered with 3 m MS sheets and due care shall be taken for noise and vibration control during demolition work.
4. The PP will obtain other necessary clearances /NOCs from respective authorities including CPCB.
5. Provisions shall be made for the housing of construction/ plant erection labour within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STPs, safe drinking water, medical health care, creche, etc. The housing may be in the form of temporary structure to be removed after the completion of the period.
6. All vehicles carrying raw materials shall be covered with tarpaulin and unloading and loading activities should be stopped during windy period. Properly tuned construction machinery and good condition vehicles and (low noise generating and having PUC Certificate) should be used. Bar code system should be developed by the facility operator as per the guidelines issued by the CPCB for ensuring compliance to the BMW Rules 2016.

**(ii) Operational Phase:**

7. The PP shall inform the prescribes authority immediately regarding the occupiers which are not handing over the segregated Bio-medical Waste in accordance with the Rules.
8. Take all necessary steps to ensure that the Bio-medical Waste collected from the occupier is transported, handled, stored, treated and disposed off, without any adverse effect on human health and environment, in accordance with the Bio-Medical Waste Management Rules, 2016 and Guidelines issued by the Central Pollution Control Board from time to time.
9. Ensure timely collection of Bio-Medical waste from the occupier as prescribed under the rules.
10. Provide training for all its workers involved in handling of Bio-Medical Waste at the time of induction and at least once a year and thereafter.
11. Undertake appropriate medical examination at the time of induction and at least once in a year and immunize all its workers involved in handling of Bio-Medical Waste for Protection against diseases, including Hepatitis-B and Tetanus, that are likely to be transmitted by handling Bio-Medical Waste and maintain the records for the same.
12. Shall display details of authorisation, treatment, annual report etc. on its website and outside the BWTF.
13. PPE's such as helmet, ear muffs, etc. should be provided to the workers.
14. Fire-extinguishers shall be provided on site.
15. PP should explore the possibility of providing solar street light and LED should be preferred over tube lights /CFL.
16. Waste oil generated from the DG sets, ash and ETP sludge shall be disposed of in accordance with the Hazardous and Other Wastes (Management and Trans boundary Management) Rules, 2016 after obtaining authorization.
17. The effluent generated from operational activities in the proposed plant shall be treated in ETP and re-circulated in venturi scrubber. Waste water generated from domestic use will be sent to the packaged STP and the treated water will be used for flushing & dust suppression. No effluent from the facility shall be discharged outside the premises and Zero discharge shall be maintained. PP shall also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity.
18. The height of the stack shall not be less than 30 m. Only low Sulphur fuel like Light Diesel Oil or Low Sulphur or Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the Incinerator. Online continuous monitoring system shall also be installed to monitor the stack emission and data connectivity must be provided to the HPPCB's server for remote operations.

19. Monitoring of the stack gaseous emissions (under optimum capacity of the incinerator) will be done once in three months through a laboratory approved under EPA, 1986/ NABL and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring will be done once in a year.
20. Venturi scrubber with mist eliminator, Bag filter, APCs and dust collector shall be provided as air pollution control equipment.
21. Combustion gas analyser to measure CO<sub>2</sub>, CO and O<sub>2</sub> should be installed.
22. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odour nuisance.
23. The PP shall comply with the provisions made in Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2016.
24. No Hazardous waste shall be disposed of in this facility.
25. In case of power failure, stand by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure. The overall noise level in and around the facility area and D.G. set shall be kept well within the standards by providing noise control measures including Engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
26. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
27. Pucca flooring/ impervious layer shall be provided in the work areas, chemical/ waste oil storage areas and chemical handling areas to minimize soil contamination.
28. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
29. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
30. After ensuring treatment by autoclaving or microwaving followed by shredding, the recyclables from the treated bio-medical wastes such as plastics and glass shall be given to such recyclers having valid authorization or registration from the respective prescribed authority.
31. The Occupier or Operator of facility shall maintain a record of recyclable wastes referred to in sub-rule (9) of Bio-Medical Waste Management Rules, 2016 which are auctioned or sold and the same shall be submitted to the prescribed authority as part of its annual report. The record shall be open for inspection by the prescribed authorities.
32. The handling and disposal of all the mercury waste and lead waste shall be in accordance with the respective rules and regulations.
33. The facility operator shall adhere to the "STANDARDS FOR TREATMENT AND DISPOSAL OF BIO-MEDICAL WASTE BY INCINERATION AND PLASMA PYROLYSIS OR GASIFICATION," as per Schedule II of the Bio-Medical Waste Management Rules, 2016.
34. Report major accidents including accidents caused by fire hazards, blasts during handling of bio-medical waste and the remedial action taken and the records relevant thereto (including nil report) in Form I to the prescribed authority and also along with the annual report.
35. Maintain a log book for each of its treatment equipment according to weight of batch; categories of waste treated; time, date and duration of treatment cycle and total hours of operation.
36. Allow occupier, who are giving waste for treatment to the operator, to see whether the treatment is carried out as per rules.
37. Supply non-chlorinated plastic coloured bags to the various occupiers, if required.
38. Common bio-medical waste treatment facility shall ensure collection of biomedical waste on holidays also.
39. Maintain all record for operation of incineration and other activities such as autoclaving & shredding etc. for a period of five years.
40. The environmental policy with the Environmental Management Cell as per MoEF Guideline will be prepared by PP and with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functioning shall be setup under the control of the Chief Executive of the company.



41. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area /project area shall again require prior environmental clearance as per EIA Notification, 2006.
42. The PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
43. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or Modernization in the project, entailing capacity/built-up area/ project area, addition with change in process and or technology and any change in product-mix in proposed unit shall require a fresh Environment Clearance.

#### **Standard Conditions:**

1. "Consent for Establishment" shall be obtained from the HPPCB under the Air and Water Act and a copy shall be furnished to the HSEIAA, before taking up any construction activity at the site.
2. Guidelines of the State Pollution Control Board (HPSPCB) for Common Hazardous Wastes Incinerators shall be followed.
3. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and Furans.
4. Use only low sulphur diesel. No other oil shall be used.
5. The PP should develop green belt all along the periphery of the BMWDF with plant species that are significant and used for the pollution abatement.
6. Treated flue gas emissions discharge through stack to atmosphere shall always be less than or equal to the parameter-specific emission standards notified by the CPCB.
7. All the facilities shall be designed to achieve a minimum temperature of 1100° C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.
8. Pizometric holes shall be identified/constructed in all directions for monitoring.
9. Guidelines published by the Central Pollution Control Board from time to time for common incineration facilities shall be referred for implementation.
10. The proponent should obtained necessary clearance from the Central Ground Water board Authority, if required.
11. Project proponent should prepare and implement an On Site Emergency Management Plan.
12. Project proponent should carryout periodical ground water/soil monitoring in and around the site to check the contamination including TCLP test for heavy metals.
13. All measures for air pollution control shall be adopted.
14. There should not be any spillage from the transportation vehicles.
15. Zero discharge system shall be adopted.
16. Double containment system shall be provide for all waste transport vehicles to avoid spillage. The spillage shall be cleared immediately.
17. Vehicles should prominently display complaint numbers for use of public as well as antidotes to any toxic waste.
18. All the recommendations of EMP/DMP shall be strictly complied.
19. The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
20. The applicant (Project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by him in Form-1. Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.
21. Corporate Environment Responsibility:
  - (a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
  - (b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.
  - (c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.

- (d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/ or shareholders or stakeholders at large.
22. Ambient noise level shall not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 & its amendments.
  23. There shall not be removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.
  24. Environmental Management information System shall be in position and maintained properly.
  25. The gaseous emissions from various process units should conform to the load/ mass based standards prescribed by the MoEF& CC and the State Pollution Control Board from time to time. At no time emission level should go beyond the prescribed standards.
  26. 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 MoEF, Gol, and its Regional Office & SEIAA.
  27. The Project Proponent shall 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 State Level Environment Impact Assessment Authority (SEIAA) website at <http://environmentclearance.nic.in> and a copy of the same shall be forwarded to Regional Office, MoEF& CC Gol, Dehradun.
  28. The Project proponent has to upload only soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year on MoEF&CC web portal <http://environmentclearance.nic.in>.
  29. The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria of pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of company in the public domain.
  30. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Dehradun/ the CPCB/ the SPCB during monitoring of the Project.
  31. The SEIAA of H.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
  32. These stipulations shall be enforced inter-alia others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
  33. Concealing factual data or submission of false/fabricated data and 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.
  34. Any appeal against this prior environmental clearance shall lie with the National Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of National Green Tribunal Act, 2010.
  35. The environmental statement for each financial year ending 31<sup>st</sup> 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 EC conditions and shall also be sent to the Regional Office of MoEF&CC & SEIAA.
  36. The project authorities shall inform the Regional Office as well as the Ministry/SEIAA, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.