



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

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No. HPSEAC/2008, 16-Vol-V

Dated: 8/7/2016

MINUTES OF THE 46th MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE HELD IN CONFERENCE HALL, DEPARTMENT OF ENVIRONMENT, SCIENCE & TECHNOLOGY, SHIMLA, ON 4th & 5th, July, 2016

The 46th meeting of State Expert Appraisal Committee for appraisal of the Project proposals received for Environmental Clearance was held on 4th & 5th July, 2016 in the Conference Hall of Department of Environment, Science & Technology, Shimla. The following were present in the meeting Day-I i.e. on dated 4/7/2016:

Sr.	Name	Designation	4 th July
1.	Sh. Shailendra Nigam, IAS	Chairman	✓
2.	Sh. Raj Kumar Sood, IFS	Member	✓
3.	Sh. Arun Kumar Sharma	Member	✓
4.	Dr. Ravinder Kumar Sood	Member	✓
5.	Sh. S.P. Negi	Member	✓
6.	Prof. (Dr.) Dalip Singh Thakur	Member	✓
7.	Dr. Bhupinder S. Marh	Member	✓
8.	Sh. A.N. Gautam	Member	✓
9.	Dr. R.C. Chauhan	Member	✓
10.	Dr. Satish Kumar Bhardwaj	Member	✓
11.	Er. Praveen Gupta	Secretary	✓

The Deliberations were started with permission of Chair.

DELIBERATIONS HELD ON 4th July, 2016

ITEM NO. 1: CONFIRMATION OF THE MINUTES OF 45th MEETING OF SEAC:

The minutes of the 45th meeting of SEAC held on 23rd, 24th & 25th May, 2016 were ratified by the committee as per procedure.

ITEM NO.2: APPRAISAL OF CASE APPLICATIONS LISTED FOR ENVIRONMENTAL CLEARANCE:

- 2.1 Sh. Chander Shekhar S/o Kaul Singh Thakur, M/s Luxmi Stone Crusher, House No. 281/6, Moti Bazar, Tehsil-Mandi, District-Mandi, Pin-175001, Himachal Pradesh.

Brief outline of the project:

- a) **Project type** Extraction/collection of Stone.
- b) **Project Location** Khasra number 546/2/1 situated in Mohal & Mauza-Aradha, Tehsil-Mandi, District-Mandi, Himachal Pradesh.
- c) **Capacity** 15,500 TPA

- | | |
|----------------|--|
| d) Mining Area | 0-78-90 ha, 9-15 Bighas (Govt. land, hill slope) |
| e) EMP Cost | Capital Cost: Rs. 6.0 lakhs; Recurring cost: Rs. 1.7 lakhs |
| f) CSR cost | - |

The proposed project is extraction of stone. As proposed the project is open cast semi- mechanized mining. No drilling and blasting is proposed.

The case was listed in 45th meeting of SEAC, where the project proponent did not appear to represent his case and made a request to list the case for appraisal in the next meeting.

The project proponent did not appear before the committee on 04-07-2016 and made a request to present the case on 05-07-2016 i.e. day II.

2.2 Dr. Shyam Lal Kaushik, Chairman, IGMC Doctor's Cooperative Housing Society Limited, Lower Panthaghati, Shimla, Himachal Pradesh, Pin-171001.

Brief outline of the project:

- | | |
|---------------------|--|
| a) Project type | Construction of residential colony for IGMC Doctor's Cooperative Housing Society. |
| b) Project Location | Khasra number 35 falling in village-Panthaghati, Tehsil-Shimla, District-Shimla, Himachal Pradesh. |
| c) Total Plot area | 11790.630 m ² (1.180 ha) |
| d) Built up area | 21057.931 m ² |
| e) Cost of project | 3248.70 lacs |
| f) EMP Cost | Capital Cost: Rs. 26.5 lakhs; Recurring cost: Rs. 5.85 lakhs |
| g) CSR cost | Rs. 5.00 lakhs/ year |

The project comes under the schedule 8(a) i.e. building and construction of EIA Notification, 2006. The project site is located at Lower-Panthaghati. It has been proposed to construct residential colony of IGMC Doctor's Cooperative Housing Society at Shimla. As proposed the sewage generated will be discharged into the sewerage connectivity to be provided by the MC, Shimla. The total estimated quantity of wastewater to be generated from proposed project is 89 KLD.

The project proponent has submitted form-1, form-1A, conceptual plan, goggle map, environment sensitivity map, 10 Km radius map, water balance diagram, solid waste management scheme, ambient air quality, proposed species for green belt development, NOC from Executive Engineer, HPPWD, Shimla dated 11.10.2009, plans, layout plans, land revenue records, NOC from Municipal Engineer, Shimla regarding water and Sewerage connectivity in Lower Panthaghati road, Kasumpti, map approval letter from Executive Engineer, Shimla, NOC from DFO-Shimla, maps, site photographs, detail of air, water and noise environment etc.

The case was listed in 43rd meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:

- *The project proponent shall submit the copy of credible action taken under Environment (Protection) Act, 1986 by the competent authority on account of violations committed.*
- *The project proponent shall also submit detailed plan of disposal of treated waste water likely to be generated from the proposed project with quantity.*

The project proponent submitted the compliance to above observations.

The SEAC also took a view of the representation of the local resident Smt. Vidya Devi and decided to inform the applicant to take up the matter with TCP Department and MC Shimla since approval of plan etc. does not fall in purview of the SEAC. However the water pollution related matter be taken up directly by the applicant with the concerned agency i.e. State Pollution Control Board.

After deliberating on the information submitted by the project proponent 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 and with following additional conditions:

- The project proponent shall submit the approved sewage waste water, site lay out plan clearly indicating the connectivity with the STP and finally with the MC sewer line under AMURT scheme as per NOC of the MC Shimla prior to listing of case in SEIAA meeting.

2.3 Sh. Laxmi Dutt Thakur, S/o Late Sh. Jagdish Thakur, R/O Village-Drahan, P.O. Damkari, Tehsil & District-Solan, 173212, Himachal Pradesh.

Brief outline of the project:

- | | |
|---------------------|--|
| a) Project type | Extraction of Sand. |
| b) Project Location | Khasra number 61/1/2/1 falling in Mauza & Mohal Drahan in Tehsil & District-Solan, Himachal Pradesh. |
| c) Capacity | 7,500 TPA. |
| d) Mining Area | 9-08-00 Bighas, 0.726 hectare (Pvt. Land, hill slope) |
| e) EMP Cost | Capital Cost: Rs. 2.25 lakhs; Recurring cost: Rs. 1.10 lakhs |
| f) CSR cost | Capital Cost: Rs. 2.0 lakhs; Recurring cost: Rs. 0.25 lakhs |

The proposed project is open cast hill slope mining. The mining will be confined to in the allotted lease area from which maximum of 7,500 tons of sand will be extracted during third year from and the total handling of sand during five years will be 35850 MT.

The case was listed in 41st Meeting of SEAC where the committee decided that the case will be listed in next Meeting after compliance to the certain observations.

The case was listed in 43rd Meeting of SEAC, where it was recommended that SEIAA may transfer the cases to DEIAA/DEAC in view of notification no. S.O. 141 (E) dated 15.01.2016 and S.O. 190(E) dated 20.01.2016. The SEIAA on 27th February, 2016 in its 24th Meeting decided that the constitution of DEIAA and DEAC are in progress so all such cases pending at SEIAA/SEAC level may continue to be dealt by SEAC as well as this authority.

The case was re-listed for appraisal before the Committee in view of decision of SEIAA and directions received from Principal Secretary (E,S&T) to the Govt. of Himachal Pradesh.

The case was listed in 44th meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:

- *The project proponent shall submit revised photographs depicting earlier plantation done in mining area, retaining wall to prevent debries to flow on road, boundary pillars, basic amenities (rest shelter, toilets) provided for labourers, sign board etc.*
- *The project proponent shall submit correction in mining plan as per the observation of the Committee.*

The project proponent has submitted the compliance to above observations.

After deliberating on the information submitted by the project proponent 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.

- 2.4 **Sh. Amar Chand, S/o Sh. Laxmi Dhar, Prop. M/s A.C. Stone Crusher, Village-Lachhori, P.O. Thakri Matti, Tehsil-Salooni, District-Chamba, Himachal Pradesh, Pin-176 308, Mob: 94180 10192.**

Brief outline of the project:

- a) **Project type** Mining of Minerals
(Extraction/collection of Sand, Stone & Bajri)
- b) **Project Location** Khasra number 1245/1 falling in Mauza & Mohal-Danoon, Tehsil-Salooni, District-Chamba, Himachal Pradesh.
- c) **Capacity** 2,82,150TPA. (1045 TPD), Two trucks / hr
- d) **Mining Area** 200-01-00 Bighas/ 16-1898 ha. (Govt. Land)
- e) **EMP Cost** Capital Cost: **Rs. 3.3 lakhs**; Recurring cost: **Rs. 4.9 lakhs.**
(Excluding cost of drazer)
- f) **CSR Cost** Capital Cost: **Rs. 1.5 lakhs**; Recurring cost: **Rs. 6000/year.**

The mining is confined to extraction of Sand, Stone & Bajri from the proposed mine site. The extracted Sand, Stone & Bajri will be collected in its existing form. The mining will be carried out only up to a depth of 1 m (3 feet) depth.

The case was listed in 45th meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:

- *The project proponent shall submit the details of kh. No.s and area for disposal of waste material with photographs i.e. muck management plan.*
- *The project proponent shall submit revised EMP & CSR cost with time frame.*

The project proponent has submitted the compliance to the above observations.

The case was listed before the SEAC for appraisal. **After deliberating on the information submitted by the project proponent and considering the facts placed before the committee, the SEAC observed that the case is falling under Cluster measuring area more than 25 hectare and therefore needs to be treated as Category B1 project. It was decided that the Project Proponent may prepare the standard ToR and project proponent shall conduct public hearing jointly and sharing of monitoring data with Sh. Rajinder Kumar, Village-Talodi, Post Office-Sundla, Tehsil-Salooni, District-Chamba, Himachal Pradesh.**

- 2.5 **Smt. Bimla Devi, W/o Sh. Radha Krishan, Village-Hurcha, P.O. Bhallan, Sub-Tehsil-Sainj, District-Kullu, Himachal Pradesh.**

Brief outline of the project:

- a) **Project type** Mining of Minerals
(Extraction of Rough Slab Slate)
- b) **Project Location** Khasra number 3683/303 falling in Mauza/Mohal Raila/Bhallan, Tehsil-Banjar, District-Kullu, Himachal Pradesh.
- c) **Capacity** 2,500 metric tons rough slab slate per year; ROM 3,130 metric tons.
- d) **Mining Area** 4-11 Bighas, 0.3682 ha, (Pvt. Land)
- e) **EMP Cost** Capital Cost: **Rs. 3.0 lakhs**; Recurring cost: **Rs. 1.35 lakhs.**
- f) **CSR Cost** Capital Cost: **Rs. 0.80 lakhs**; Recurring cost: **Rs. 12,000/-**

The proposed project is manual extraction of slate from hill slope for supply to local market for flooring and tiling purposes. As proposed the area is part of hill slope and no habitation required to be disturbed from the mining lease area, therefore, no habitation and resettlement plan is required.

The case was listed in 45th meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:

- *The project proponent shall submit revised EMP & CSR cost with time frame.*

The project proponent has submitted the compliance to above observations.

The project proponent has submitted the compliance to above observations. After deliberating on the information submitted by the project proponent 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.

2.6 Sh. Suresh Chauhan, S/o Late Sh. Jai Ram Chauhan, Village-Kathori, Post Office-Deha, Tehsil-Theog, District-Shimla, Himachal Pradesh, Mob: 94180 65583.

Brief outline of the project:

- | | |
|---------------------|--|
| a) Project type | Mining of Minerals
(Extraction of Stone) |
| b) Project Location | Khasra number 48 (00-79-88 ha), 33/2 (00-05-25 ha) & 35 (01-31-36) in Mauza Pundar, Tehsil-Theog, District-Shimla, Himachal Pradesh. |
| c) Capacity | 19,180 metric tons stone per year, run of mine 21,008 metric tons. |
| d) Mining Area | 1-16-49 ha. (Private Land) |
| e) EMP Cost | Capital Cost: Rs.0.75 lakhs; Recurring cost: Rs. 0.50 lakhs. |
| f) CSR Cost | Capital Cost: Rs.0.40 lakhs; Recurring cost: Rs. 12,000/- |

The proposed project is manual extraction and quarrying of stone, from hill slope. As proposed the area being part of hill slope where no habitation is required to be disturbed from the mining lease area, therefore, no rehabilitation and resettlement plan is envisaged.

The case was listed in 45th meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:

- *The project proponent shall submit the proposal for widening of approach road along with slopping of gradient.*
- *The project proponent shall submit the revised CSR cost with time frame.*

The project proponent has submitted the compliance to above observations.

After deliberating on the information submitted by the project proponent 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.

2.7 Sh. Sohan Singh Meet Singh & Sons, C/o Thakur Trading company, M.R.F. Showroom, Ward No. 4, House No. 204, Durga colony, Taruwala, Badripur, Paonta Sahib, District-Sirmaur, Himachal Pradesh-173029.

Brief outline of the project:

- | | |
|---------------------|---|
| a) Project type | Extraction of Lime Stone. |
| b) Project Location | Khasra number 715/2 & 720/1 falling in Mauza Kamroo, Tehsil-Paonta Sahib, District-Sirmaur, Himachal Pradesh. |
| c) Capacity | 1,05,500 TPA. |

d) Mining Area	39-04 Bighas, 3.32 hectare. (Private land).
e) EMP Cost	Capital Cost: Rs. 6.50 lakhs; Recurring cost: Rs. 2.20 lakhs
f) CSR cost	Rs. 1.80 lakhs;

The project proposal is for mining of Lime Stone. The mining of lime stone will be done by open cast semi-mechanized method with drilling and blasting. Loading of minerals shall be carried out manually into ten tonnes capacity short body trucks. The lease area is situated at N/V-Kamroo, Tehsil-Paonta Sahib, District-Sirmaur, H.P.

The project proponent submitted the documents as per check list and the application was listed before the SEAC.

The case was listed in 45th meeting of SEAC where the SEAC recommended the case application for consideration of following ToR as proposed by the project proponent besides adherence to the standard ToRs:

- A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine will be given.
- The study area will comprise of 5 km zone around the mine lease from lease periphery.
- Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary and national park, wildlife corridor, water bodies, human settlements & other ecological features.
- Location of National parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves (existing as well as proposed), if any within 5 km of the mine lease.
- A detailed biological study of the study area [core zone and buffer zone (5 km radius of the periphery of the mine lease)] will be carried out. Details of flora and fauna, duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present.
- Impact of change of land use.
- A study of project similar to Bhimgoda Limestone Mine namely Mine of KN cement works of Area 24.2 Ha for which study is done in the area earlier near village Kamroo, Tehsil – Ponta sahib & Dist. – Sirmour (H.P.) for the period March to May – 2015. As per MOEF & CC Office memorandum dated 22.8.14, the TOR have a outer validity of three years from date of public consultation, we will therefore request you to consider the said study data with reference to current project. The Bhimgoda Limestone Mine is adjoining to this project.
- Air quality modeling will be carried out for prediction of impact of the project on the air quality of the area.
- The water requirement for the project, its availability and source.
- Impact of the project on the water quality both surface and ground water.
- Rainwater harvesting proposed, if any, in the project to be provided.
- Information on site elevation, working depth, groundwater table.
- A time bound Progressive Greenbelt Development Plan will be prepared.
- Impact on local transport infrastructure.
- Details of the infrastructure facilities for mine worker.
- Conceptual post mining land use and reclamation and rehabilitation of mined out area.
- Measures of socio economic influence to the local community.
- Detailed environmental management plan.
- Public Hearing.
- Details of litigation pending against the project, if any.
- The cost of the project (capital cost and recurring cost) as well as the cost towards implementation of EMP will clearly be spelt out.
- Proposed EMP fund
- Proposed Social development fund

The project proponent submitted the Environmental Impact Assessment (EIA) report for the same. After deliberating on the information and EIA submitted by the project proponent and considering the facts placed before the committee, the SEAC decided to list the case in its next meeting after compliance to following observations:

- The project proponent shall check/ monitor the concentration of calcium content in surface water on regular basis viz-a-viz with Ground water quality.
- The project proponent shall specify the person responsible for blasting activity and shall submit approval of competent authority in this regard for storage and handling of blasting material.
- The project proponent shall submit affidavit w.r.t. CSR activity with specified time frame.
- The project proponent shall list out mine closure related activities.

2.8 M/s Shiv Shakti Stone Crusher CO-op. Ind. Society Sand, Stone & Bajri Mining Project, Village-Naira, Rajol, Bhareel and Jangal, P.O. Trilokpur, Tehsil-Jawali, District-Kangra, Himachal Pradesh, 176 225. Mob: 94183 14066.

Brief outline of the project:

- | | |
|---------------------|--|
| a) Project type | Extraction/collection of Sand, Stone & Bajri. |
| b) Project Location | Khasra number 145 falling in Mauza Baad Mohal Naira, 428, 435 falling in Mauza Anuhi Mohal Rajol, Khasra no. 962 falling in Mauza Soldha Mohal Bhareel & Khasra no. 1 falling in Mauza & Mohal Jangal of Tehsil Jawali, District-Kangra, Himachal Pradesh. |
| c) Capacity | 1,10,250 TPA |
| d) Mining Area | 13-59-06 Ha (Govt. land, river bed) |
| e) EMP Cost | Capital Cost: Rs. 0.70 lakhs; Recurring cost: Rs. 0.70 lakhs |
| f) CSR Cost | Capital Cost: Rs. 0.5 lakhs; Recurring cost: Rs. 0.2 lakhs |

The Proposed project is an open cast manual mining. No drilling and blasting is proposed. The project proponent has applied on 18.03.2016.

The case was listed in 44th meeting of SEAC where, it was decided that project proponent shall submit/inform the credible action under section 19 of Environment (Protection) Act, 1986, taken for illegal mining carried out by the project proponent.

Now, the project proponent has submitted the compliance to above observations.

After deliberating on the information submitted by the project proponent 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.

2.9 Sh. Pancham Singh, S/o Sh. Gorkh Singh, Village & Post Office-Tiara, Tehsil-Sahapur, District-Kangra, Himachal Pradesh, Mob: 98162 58009.

Brief outline of the project:

- | | |
|---------------------|---|
| a) Project type | Mining of Minerals
(Extraction/collection of Sand, Stone & Bajri) |
| b) Project Location | Khasra number, 333/1, 334/1 & 341 falling in Mauza Baranj Mchal Khabbal of Tehsil-Shahpur, District-Kangra, Himachal Pradesh. |
| c) Capacity | 56,250 TPA. |
| d) Mining Area | 4-80-23 ha (Govt. land, river bed). |
| e) EMP Cost | Capital Cost: Rs. 2.70 lakhs; Recurring cost: Rs. 0.67 lakhs. |
| f) CSR Cost | Capital Cost: Rs. 1.50 lakhs; Recurring cost: Rs. 0.29 lakhs. |

The proposed project is for extraction of boulders, pebbles and sand from the beds of Khauli khad a tributary of Gaj khad which is barren Govt. land. As proposed the operation will be manual with use of hand tools like shovels, pan, sieves etc.

The case was listed in 45th meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:

- *The project proponent shall submit revised EMP & CSR cost with time frame.*

Now, the project proponent has submitted the compliance to above observations.

After deliberating on the information submitted by the project proponent 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.

2.10 Sh. Surinder Singh Jamwal, S/o Sh. Bhoop Singh, Proprietor: M/s Shankar Stone Crusher, V.P.O. & Tehsil-Palampur, District-Kangra, Himachal Pradesh, Pin: 176061, Mob: 98160 38261.

Brief outline of the project:

- | | |
|---------------------|---|
| a) Project type | Mining of Minerals
(Extraction/collection of Sand, Boulders & Bajri) |
| b) Project Location | Khasra number 1204, 1258 & 1268 falling in Mauza Alampur, Mohal-Duhak of Up-Tehsil-Thural, District-Kangra, Himachal Pradesh. |
| c) Capacity | 2,97,053 TPA |
| d) Mining Area | 14-90-22 ha, (Govt. land, river bed) |
| e) EMP Cost | Capital Cost: Rs. 2.75 lakhs; Recurring cost: Rs. 1.55 lakhs. |
| f) CSR Cost | Capital Cost: Rs. 1.0 lakhs; Recurring cost: Rs. 5,000/- |

The proposed mine is an open cast river/stream bed mining project. As proposed the operation will be manual with use of hand tools like shovel, pan sieves etc.

The case was listed in 45th meeting of SEAC where the committee decided that the case will be listed in next meeting after compliance to the following observations:


- *The project proponent shall apply as per EIA Notification, 2006 because the project comes under B1 category.*

Now, the project proponent has made representation to consider his case as Category B-2 and grant him the Environment Clearance as per the EIA Notification 2006. **After deliberating on the information submitted by the project proponent and considering the facts placed before the committee, the SEAC decided to list the case in next meeting as per the following observations:**

- The project proponent shall submit the 500 meter distance certificate from the office of State Geologist, Department of Industries, HP as per format prescribed.

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


(Parveen Gupta)
Secretary, HPSEAC


(Shailendra Nigam)
Chairman, HPSEAC

Endst. No.: SEAC 46th Meeting /2016-

Dated 8/7/16, 2016

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.



(Parveen Gupta)
Secretary,

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

A. Specific Conditions:

1. Stone and Bajri (if extracted) is not allowed to be sold to crushers not having consent to establish and operate and also not complying with the condition stipulated by State Pollution Control Board.
2. The project proponent shall obtain Consent to Establish and Consent to Operate from the Himachal Pradesh Pollution Control Board and effectively implement all the conditions stipulated therein.
3. Environment 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.
4. Annual replenishment report certified by an authorized agency shall be submitted. In case the replenishment is low, the mining activity/ production levels shall accordingly be decreased/ stopped.
5. Effective safeguard measures shall be taken to control particulate matter level so as to ensure that these are within permissible limit.
6. Regular monitoring of ambient air quality shall be carried out and records maintained. The results of monitoring shall be submitted to MoEF&CC and its Regional Office and CPCB, SPCB regularly.
7. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
8. The project proponent shall undertake adequate safeguard measures during mining and ensure that due to this activity the hydro-geological regime of surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the MoEF&CC and its Regional Office Dehradun, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.
9. The project proponent shall obtain necessary prior permission from the competent authority for drawl of requisite quantity of water for the project.
10. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
11. Vehicular emission shall be kept under control and regularly monitored. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
12. No drilling and blasting operation shall be carried out.
13. Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
14. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
15. 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.

16. The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
17. The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.

B. General Conditions:

1. No change in mining technology and scope of working should be made without prior approval of the MoEF&CC.
2. No change in the calendar plan including excavation, quantum of mineral Sand, Gravel, Boulders (minor mineral) and waste should be made.
3. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e., PM₁₀) and NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
4. Data on ambient air quality should be regularly submitted to the MoEF&CC including its Regional office located at Dehradun and the State Pollution Control Board/ Central Pollution Control Board once in six months. Provisions contained in notification no. B-29016/20/90/PCI-I dated 18.11.2009 should be allowed for monitoring.
5. Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
6. 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.
7. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
8. A separate environmental management cell with qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the MoEF&CC and its Regional Office located at Dehradun.
10. The project authorities should inform to the Regional Office located at Chandigarh regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
11. The Regional Office of this Ministry located at Chandigarh 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.
12. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the MoEF&CC, its Regional Office Dehradun, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.
13. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

14. The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.
15. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the MoEF&CC, Dehradun by e-mail.
16. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the MoEF&CC at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of MoEF&CC at Dehradun.

A. SPECIFIC CONDITIONS:

1. The water requirement for the project shall be sourced from the rainwater harvesting system developed within the premises. Water consumption shall be only for domestic purpose.
2. There shall not be any wastewater generation nor any discharge from the project activities.
3. Domestic wastewater shall be discharged into septic tank/ soak pit system.
4. The storm water drains shall be kept dry and shall not be used for discharge of any kind of waste. The project proponent shall prepare an Action Plan for the monsoon period in which the water quality flowing outside the premises shall be monitored for hydrocarbon and oil & grease parameters and its records shall be maintained & submitted to MoEF&CC regional office, Dehradun and HP SEIAA.
5. Gaseous emission at workplaces shall be controlled and kept below the limits prescribed by the Factories Act and Rules. Their records shall be maintained.
6. The gaseous emissions and particulate matter from various processes shall conform to the standards prescribed by HP State Pollution Control Board & CPCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the prescribed standards.
7. The unit must strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules 2003. Authorization from the HP SPCB must be obtained for collection / treatment /storage /disposal of hazardous wastes.
8. The project management shall strictly comply with the provisions made in Manufacture Storage and Impact of Hazardous Chemicals Rules 1989 and subsequent amendments for handling of hazardous chemicals. Necessary approvals from the Govt. Authorities shall be obtained before commissioning of the project, if applicable.
9. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act & Rules.
10. Hazardous materials storage shall be at an isolated designated location, bund/ dyke walls shall be provided for storage tanks for Hazardous Chemicals.
11. All transportation routes within the premise shall have paved roads to minimize splashes and spillages.
12. Mock drills shall be conducted at regular intervals as per statutory requirements and their records shall be maintained.
13. Necessary dyke wall along with spill collection sump shall be provided around the storage tanks to arrest the spillage/ leakage.
14. All the storage tanks in the premises shall be provided with sprinkler as per OISD norms.
15. Fire protection system shall be upgraded for the additional storage tanks installation and shall confirm to OISD standards.
16. Necessary flame proof fittings shall be provided in the storage facility.
17. Proper ventilation shall be provided in the whole premises.
18. All venting equipment shall have vapour recovery system. All the pumps and other equipments where there is a likelihood of leakages shall be provided with Leak Detections and Repair (LDAR) system. Provisions for immediate isolation of such equipment in case of a leakage shall also be made. The detector sensitivity shall be in ppm levels.
19. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Close handling system for chemicals shall be provided. Double mechanical seals shall be provided for pumps /agitators for reactors for reduction of fugitive emissions and leakages. Traps shall be installed wherever necessary.

20. During material transfer, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic waste and storm water drain.
21. Personal Protective Equipment shall be provided to workers and its usage shall be ensured and supervised.
22. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity at all the times.
23. Training shall be given to all personnel on safety and health aspects of handling petroleum products including regular mock drills.
24. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act and Rules. Pre-employment and periodical medical examination for all workers shall be undertaken as per statutory requirement.
25. The project management shall prepare a detailed Disaster Management Plan (DMP) for the project as per the guidelines from Himachal Pradesh State Disaster Management Authority and other concerned agencies.
26. On site Emergency Control Plan and Off Site Emergency Plan shall be updated and its recommendation shall be implemented.
27. Design of the storage tanks shall be done in accordance with the applicable OISD, IS, API, ASME standards.
28. Necessary permissions from the Chief Controller of Explosive-Nagpur and other relevant Government Agencies shall be taken prior commencement of the project.
29. Ambient air quality status with respect to VOC in the area shall be monitored in consultation with Himachal Pradesh State Pollution Control Board and its records shall be submitted to MoEF&CC regional office, Dehradun and HP SEIAA.
30. First Aid Box, fire extinguishers, foams, sand etc. shall be made readily available in adequate quantity at all the times. Necessary tie up with the nearby fire stations and other emergency services shall be made to ensure that the required aids reach within the shortest possible time in case of any adverse conditions.
31. The unit shall undertake following waste minimization measures:
32. Use of automated and close filling to minimize spillages.
33. Venting equipment through vapour recovery system.
34. The company shall develop a plot area as green belt as per the CPCB guidelines to mitigate the effect of fugitive emissions and shall plant indigenous tree species such as *Kikar*, *Khair*, *Peepal*, *Amla*, *Mango*, *Gauva* etc.
35. The proponent shall adopt appropriate plan to contain escape of VOC.
36. The proponent shall adopt appropriate plan to prevent ground water contamination.
37. Appropriate plan to prevent probable impact on human habitat in the event of fire hazards shall be put in place.
38. The project authorities shall undertake intensive awareness program among those living at the vicinity of the project site with regard to emergency safety plan.

B. GENERAL CONDITIONS:

1. The project authorities must strictly adhere to the stipulations made by the Himachal Pradesh State Level Environment Impact Assessment Authority (HP SEIAA) and the State Government.

2. The Proponent shall obtain the construction material such as stones and jelly etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.
3. The proponent shall obtain approval from the competent authorities for structural safety of the building due to earthquake, adequacy of fire-fighting equipment etc. as per the National Building Code (NBC) including protection measures for lightning etc.
4. No further expansion or modification in the project shall be carried out without prior approval of the Himachal Pradesh State Level Environment Impact Assessment Authority (HP SEIAA). In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
5. The emissions of (RSPM, SPM, SO₂, NO_x, HC & VOC) from DG Set and from flare stack shall conform to the standards prescribed by the HP State Pollution Control Board & CPCB. Regular monitoring of Ambient Air for HC and VOC shall be carried out as per CPCB guidelines. Stack height attached to DG sets shall be in-conformance with the environment protection acts and rules.
6. The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 1989 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.
7. The project authorities must strictly comply with the rules and regulation with regard to handling and disposal of Hazardous Wastes (Management and Handling) Rules, 1989 and subsequent amendments as applicable. Authorization from the Himachal Pradesh State Pollution Control Board must be obtained for collections/ treatment/ storage/ disposal of hazardous wastes.
8. 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 shall conform to the standards prescribed under EPA Rules, 1989.
9. A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
10. The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, Himachal Pradesh as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.
11. The Regional Office of this MoEF&CC at Dehradun, Himachal Pradesh State Level Environment Impact Assessment Authority and other concerned agencies will monitor the stipulated conditions. A half yearly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
12. The project proponent shall inform the public that the project has been accorded environmental clearance by the HP SEIAA and copies of the clearance letter are available with the HP SEIAA and may also be seen at State of Himachal Pradesh web portal at <http://environmentclearance.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office of MoEF at Dehradun & H.P. State Level Environment Impact Assessment Authority at Department of Environment, Science & Technology, Himachal Pradesh.
13. The project authorities shall inform the Regional Office of MoEF at Dehradun & H.P. State Level Environment Impact Assessment Authority at Department of Environment, Science & Technology, Himachal Pradesh about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
14. The Authority may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

15. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.
16. Any appeal against this environmental clearance shall lie with the National Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.
17. The above conditions will 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 Wastes (Management & Handling) Rules, 1989, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
18. The issue of Environment Clearance doesn't confer any right to the project proponent to operate/run the project without obtaining statutory clearances/ sanctions from all other concerned Authorities.
19. The project proponent should display the conditions prominently at the entrance of the project site on a suitable size board for the information of the public.
20. 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 Environmental (Protection) Act, 1986.
21. Any Appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.