



HP State Environment Impact Assessment Authority

HPSEIAA Secretariat, 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. HPSEIAA/2008/22/Vol-X/62nd Meeting/

Dated: 4/5/2023

PROCEEDINGS OF 62nd MEETING OF SEIAA, HIMACHAL PRADESH, HELD UNDER THE CHAIRPERSONSHIP OF SH.ARVID MEHTA, IAS (RETD.) ON DATED 4-5-2023.

ITEM NO. 1: Confirmation of minutes of 61th meeting of SEIAA.

The Authority after discussions confirmed the minutes of 61th meeting of SEIAA held on 21-4-2023.

ITEM NO. 2: PROJECT PROPOSALS FOR GRANT OF EC (ENVIRONMENT CLEARANCE)

2.1 Hospital Engineer, Setting up of PGIMER Satellite Center at Una, Mohal Malhat, Tehsil Una, Distt. Una Himachal Pradesh.

Brief outline of the project:

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|----|---|--|
| a) | Proposal No. | SIA/HP/INFRA2/409217/2022
HP SEIAA/2022-1019 |
| b) | Project type | Building and construction project (Setting up of PGIMER Satellite Centre at Una, Himachal Pradesh), Phase-I - Cat 8-A |
| c) | Project Location | Khata khatauni -791min/1097 having Khasra number 3120/2736 of Mohal Malahat, Tehsil Una, District- Una. H.P. as per Jamabandi for the year 2010-11 issued on 4/7/2017. |
| d) | Built up area | 46,748.92 Sq. Meter |
| e) | Total plot area | 99,957 Sq. Meter |
| f) | Solid waste generation | Construction phase: 50 Kg/Sqm.
Operational phase: 1243 Kg/day (Bio-degradable waste 745.8 Kg/day & Non Bio-degradable waste 497.2 Kg/day) |
| g) | Bio-Medical waste generation | 841 Kg/day (Hospital bed+OPD) |
| h) | Disposal and treatment of liquid effluent | Construction phase: Approx. 21 KLD sewage, it will be disposed through mobile STP
Operational phase: 673 KLD, it will be disposed through STP having capacity of 515 KLD and ETP of 75 KLD. |
| i) | Project cost | 495.30 Crores |
| j) | EMP Cost | Construction Phase:
Capital Cost- Rs.39.00 Lakhs, Recurring Cost- Rs.13.00 Lakhs /PA
Operational Phase:
Capital Cost- Rs. 650.00 Lakhs, Recurring Cost- Rs. 54.5Lakhs /PA |
| k) | CER Cost | - |

The proposed project is for setting up of PGIMER Satellite Centre at Una, Himachal Pradesh Phase-I. The construction of the proposed project includes building for 300 bedded hospital and 40 beds of ICU with allied facilities staff quarter, mortuary, ESS and HVAS plant room.

Online proposal for granting Environment Clearance was submitted on dated 07/12/2022 and accepted by the SEIAA secretariat on dated 23/12/2022 and forwarded to SEAC secretariat.

The case was listed in 90th meeting of the SEAC held on 23-24th March, 2023 and after examining the proposal made the following observations:-

1. The project proponent shall resubmit details about built up area after including service areas roads, parking etc.
2. The project proponent shall revise and resubmit plantation plan by including local species.
3. The project proponent shall recalculate and resubmit water demand, waste water recycling potential balancing details for both construction and operational phases.
4. 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.
5. The project proponent also under take sampling and analysis of GLC values of PM 2.5.

6. The project proponent shall submit copy of MoU signed with authorized vendor for disposal of bio-medical waste which shall be generated from proposed Hospital.
7. The project proponent shall submit affidavit to include in plan to built and construct night shelter for the attendents of indoor patients and submit revised budget.
8. The project proponent shall revise the muck management plan and submit with cut fill details for minimizing the waste disposal.
9. The project proponent shall revise the CER and EMP with component wise breakup of amount indicated/ estimated budget details.
10. 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.
11. The project proponent shall ensure the 41% saving of electricity by using the renewable sources of energy. The project proponent shall revise the plans w.r.t. solar power use for space lightening, heating and water.
12. The provision of mobile toilets and STP shall be made for construction phase.
13. The project proponent shall store the top soil safely for reuse in landscaping.
14. The project proponent shall install solar power plant on rooftop of each block for captive use.

After submission of above compliance by the project proponent on dated 24.04.2023 the case was appraised by SEAC in its 92nd meeting held on 29th April 2023. 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 following special condition that:-

1. The project proponent shall install a pre treatment facility of 25 KLD to treat laboratory waste water before releasing it/ discharging it to main ETP of 75 KLD.
2. The project proponent shall provide treated waste water effluent holding tanks of 20 KL each in case of exigencies such as failure of power supply to treatment plant to hold the waste water and similarly storage facility for the excess water during rainy season condition when it is not used for gardening.
3. The project proponent shall submit safe covered passage for transporting the Bio-medical waste from collection point to the CBWTF at Una.
4. The project proponent shall maintain all records w.r.t. Bio-medical waste generation & disposal.
5. The project proponent shall provide waste collections as per Bio Medical Waste Management Rules.
6. The project proponent shall submit a detailed hydrological study of the project area in order to ascertain the suitable location for collecting the storm water and rain water, channelization of drainages within 15 days.
7. The project proponent shall not undertake any alteration in the scope of work area without prior approval from SEIAA. Any change in project design, building design, floor plan shall be got approved from SEIAA.
8. The project proponent in order to maintain the cleanliness, housekeeping to avoid chocking of sewer line etc. of toilet facility provided for the the visitors/attendants/patients the sewer line shall be of minimum 6 inch diameter, for wash basins and sinks for public use shall be carefully designed and submitted to the SEIAA within 15 days.
9. The project proponent shall build common facility/ Sarai for attendants with basic amenities as per revised plan.
10. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done. The drainage, discharge map shall be submitted within 15 days.
11. The rain water harvesting storage capacity shall be rationalized w.r.t. potential and usage and the project proponent shall ensure that the rain water use shall be made for flushing gardening and other non-drinking purposes.
12. The project proponent shall ensure not to obstruct village path and roads, if any crossing through their premises.
13. The PP shall implement the EMP & CER as proposed in the application. The implementation of EMP shall be monitored by Department of Environment, Science & Technology, Govt. of HP, cost for this purpose shall be charged under the EMP @ 0.1% of the total project cost. Accordingly an amount of Rs. 30 lakhs shall be deposited towards Environment Monitoring cost to Deptt. of Env. Science & Technology, Govt. of Himachal Pradesh. The Director EST shall monitor the implementation of EMP in both phases.

Environment Management Plan - (Construction Phase)

S.No.	EMP details		Capital investment (Rs)	Implementation period
1.	Environment Monitoring during Construction	<ul style="list-style-type: none"> Ambient air quality analysis DG set stack emission monitoring [for 1no.DG set] Ambient air quality monitoring stations (for measuring PM10, PM 2.5, NOx, SO₂) 	1,00,000 7,50,000	Within one months from the day of start of construction until end of construction period
2.	Water quality	<ul style="list-style-type: none"> Surface water monitoring 	60,000	Half yearly basis along with

	analysis	<ul style="list-style-type: none"> Ground water monitoring 	60,000	EC compliance report
3.	Noise quality analysis		40,000	Half yearly basis along with EC compliance report
4.	Weather Monitoring stations		1,85,000	Within one months from the day of start of construction
5.	Soil quality analysis		24,000	Half yearly basis along with EC compliance report
6.	Sheet Barrier for Noise Reduction		25,00,000	From the day of start of construction
7.	Environment Health & Safety for workers	<ul style="list-style-type: none"> First aid kits PPE for workers (Safety Shoes, belts, welding glass, jackets etc.) Creche facility for children <p>Health check-ups monthly will be done by PGIMER satellite centre Una being already operated at District Una</p>	8,00,000	Monthly and as & when required
8.	Waste management	<ul style="list-style-type: none"> Construction & demolition waste management Solid waste management 	1,75,000 1,25,000	Regular for the entire period of the construction
9.	Dust control	Water sprinkling & 1No Anti-smog gun	2,25,000	Regular for the entire period of the construction
10.	Air pollution control & water conservation measures	<ul style="list-style-type: none"> PUC checked vehicles used in transportation Wheel wash point Portable toilets for construction workers Mobile sewage treatment plant for wastewater disposal Water curing material and methods <p>Sanitation awareness programme for workers (from school of public health PGIMER Chandigarh)</p>	25,00,000	Regular for the entire period of the construction
11.	Muck management	Levelling and dressing of disposed soil	1,500,000	
12.	Green belt development	Greenbelt development	63,43,493	Regular for the entire period of the construction
	Grand Total		1,53,87,493	

Environment Management Plan - (Operation Phase)

S.No.	EMP details		Capital investment (Rs)	Recurring cost (Rs)
1.	Rainwater Harvesting Reservoir	RWH Pits (08 Pits) and Storm water drain	25,00,000	5,00,000
2.	Environmental Monitoring	Ambient air quality monitoring stations and weather monitoring station	14,00,000	50,000
3.	Ambient air quality analysis	DG set stack emission monitoring for 6 Nos. DG sets	0	10,000
4.	Water quality analysis	Surface water Monitoring	0	15,000
		Groundwater monitoring	0	15,000
5.	Noise quality analysis		0	05,000
6.	Soil quality analysis		0	10,000
7.	Waste water management	STP for Domestic Wastewater (515 KLD)	2,00,00,000	10,00,000
		ETP For hospital Wastewater (75 KLD)	52,50,000	2,00,000

8.	Solid Waste Management	Dustbins for waste collection	35,00,000	7,00,000
		Waste storage room for biodegradable and recyclable waste		
		Transportation of recyclable waste and recovery		
		Organic waste convertor for bio degradable Waste		
9.	Horticulture and landscaping	Maintenance of green belt Replacement of tress	5,00,000	10,00,000
10.	BMW Treatment facility	Containers for Storage of BMW Waste & Autoclave	20,00,000	20,00,000
	Total		3,51,50,000*	55,05,000

* An amount of Rs. 30 lakhs shall be deposited towards Environment Monitoring cost to Deptt. of Env. Science & Technology, Govt. of Himachal Pradesh. The Director EST shall monitor the implementation of EMP in both phases.


CER component wise breakup of amount in Rupees:

Sl.No.	CER activity	Budget (Rs)
1.	Night shelter for the attendants of indoor patients	50,00,000
2.	Rain Shelter	2,00,000
3.	Drinking water facility	50,000
4.	Solar lighting	21,00,000
5.	Public toilet	2,00,000
6.	Hot Water Solar System	38,25,000
7.	Solar PV Generation	2,18,15,000
8.	CER cost to be deposited with SEIAA at Deptt. of Env. Science & Technology, Govt. of Himachal Pradesh towards Corporate Environment al Responsibility activities to be undertaken as per restoration plan prepared for the purpose.	45,00,000
	Total	3,76,90,000


14. The project proponent shall be legally bound to adhere to comply with all the commitments made in the Environment Management Plan (EMP) prepared based on Environment Impact Assessment Report.
15. The project proponent shall submit an amount of Rs. 0.45 Crs to HP SEIAA towards CER activities. For which Director EST shall prepare a plan and implement the same in project area.

The case was listed in 62nd meeting of SEIAA on dated 4th May, 2023. The SEIAA approved the grant of Environment Clearance in favour of the project proponent as per the terms & conditions recommended by SEAC in its 92nd meeting held on 29th April, 2023 with following additional condition:

1. The project proponent shall maximize the use of captive solar PV generation from proposed 350 KW in the project area apart from solar water heating system and street lightning system. The same shall be done on net metering basis of DISCOM-HPSEB being a major hospital.


(D.C. Rana, IAS)
Member Secretary
HPSEIAA

The Meeting ended with a vote of thanks to & from the Chair.


(ARVIND MEHTA, IAS)
Chairman
HPSEIAA

Date: 4th May, 2023.
Place: Shimla