

एसजेवीएन लिमिटेड SJVN Limited

(भारत सरकार एवं हिमाचल प्रदेश सरकार का संयुक्त उपक्रम)
(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)

नवरत्न सी. पी. एस. ई.

A Navratna CPSE

CIN No : L40101HP1988GOI008409



संख्या:एसजेवीएन/का.मु./पर्या./एफ-24/2026 | 45

दिनांक: 01/06/2026

सेवा में,
सदस्य सचिव,
नदी घाटी एवं जलविद्युत परियोजनाएँ,
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार,
इंदिरा पर्यावरण भवन, जोरबाग,
नई दिल्ली - 110003
मेल आईडी: yogendra78@nic.in

विषय: हिमाचल प्रदेश के लूहरी एचईपी, चरण-I (210 मेगावाट) में पर्यावरणीय परिस्थितियों की अनुपालना पर छमाही रिपोर्ट (अक्टूबर 2025 से मार्च 2026 तक की अवधि हेतु)
संदर्भ: इसी पत्र सं.: जे-12011/18/2015-आईए-आई(आर), दिनांक 17 मार्च 2020; प्रस्ताव सं. आईए/हि.प्र./आरआईवी/29585/2015

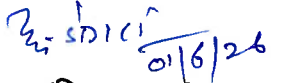
महोदय,

कृपया उक्त अनुमोदन का संदर्भ ग्रहण करें, जिसके अंतर्गत जिला शिमला और कुल्लू (हिमाचल प्रदेश) में एसजेवीएन की लूहरी एचईपी चरण-I (210 मेगावाट) को पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय द्वारा मंजूरी प्रदान की गई थी। ईआईए अधिसूचना 2006 के अनुसार, निर्धारित पर्यावरण परिस्थितियों की छमाही स्थिति प्रस्तुत करना अनिवार्य है। इसके अलावा, दिनांक 26.11.2018 की अधिसूचना के तहत अर्द्धवार्षिक अनुपालना रिपोर्ट सॉफ्ट कॉपी में भी प्रस्तुत करना वांछनीय है। अतः पर्यावरणीय परिस्थितियों की अनुपालना पर छमाही रिपोर्ट (अक्टूबर 2025 से मार्च 2026 तक की अवधि हेतु) आपके सूचनार्थ सादर प्रस्तुत की जा रही है।

संलग्नक: यथोपरि।

सधन्यवाद,

भवदीय,
एसजेवीएन लिमिटेड के लिए,


(विभागाध्यक्ष)

निगमित पर्यावरण

कारपोरेट मुख्यालय : शक्ति सदन, शानान,
शिमला-171006 (हि.प्र.) www.sjvn.nic.in
दूरभाष : 0177-2660003/4/5/6 फैक्स : 0177-2660001
सम्पर्क कार्यालय : ऑफिस ब्लॉक, टावर-1, 6वीं मंजिल,
एनबीसीसी कॉम्प्लेक्स, पूर्वी किदवाई नगर, नई दिल्ली-110023
दूरभाष : 011-61901919 फैक्स : 011-61901915

Corporate H.Q. : Shakti Sadan, Shanan,
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Tele : 0177-2660003/4/5/6, Fax : 0177-2660001
Liaison Office : Office Block, Tower-1, 6th Floor,
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Tele : 011-61901919, Fax : 011-61901915

अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

SAVE ENERGY FOR BENEFIT OF SELF AND NATION

प्रतिलिपि (केवल ईमेल के माध्यम से):

1. सदस्य सचिव, हिमाचल प्रदेश राज्य प्रदूषण नियंत्रण बोर्ड, हिम परिवेश, फ़ेस-III, न्यू शिमला-171009,मेल आईडी: mspcb-hp@nic.in
2. उप वन महानिरीक्षक, पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, आईआरओ, शिमला, सी.जी.ओ. कॉम्प्लेक्स, शिवालिक ब्लॉक, लॉन्गवुड, शिमला- 171001, हिमाचल प्रदेश, मेल आईडी: iro.shimla-mefcc@gov.in

SIX MONTHLY COMPLIANCE REPORT
TO BE UPLOADED ON PARIVESH/COMPANY WEBSITE
(Period: October 01, 2025 to March 31, 2026)

A)	Name of Project	Luhri Hydroelectric Project-I (210 MW)
	Type of Project	Hydropower
	Location	Districts Kullu and Shimla
	EC Letter no.	J-12011/18/2015-IA-1 (R) Pt dated 17.03.2020
	Contact Address	
	a) Concerned Project Head	Head of Project, Administrative Building, LHEP-I, Village Bayal, P.O. Koyal, Tehsil Nirmand, District Kullu, Himachal Pradesh, PIN 172023, Contact No. 01782-222616
	b) Concerned Environment Division (Corporate)	Head (Environment), SJVN Corporate Headquarters, Shanan, Shimla, HP, PIN 171006 Contact No. 0177-2660180

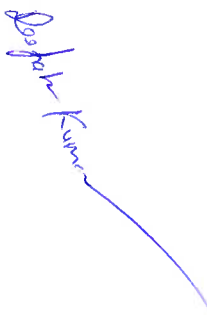
Deepak Kumar

S.N.	Conditions	Status
<p>Conditions imposed by the Ministry of Environment & Forests, Gol while granting environment clearance vide letter no. J-12011/18/2015-IA-I (R) Pt dated 17.03.2020</p>		
<p>i.</p> <p>The Environmental Management Plan (EMP) shall be strictly adhered to and a sum of Rs. 14860.57 lakhs the budgetary provisions for implementation of EMP shall be fully utilized. In case of revision of the project cost or due to price level change the cost of EMP shall also be updated proportionately.</p>	<p>Details supplied in Enclosure-1.</p>	

Deepak Kumar

S.N.	Conditions	Status
ii	<p>The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017 IA.III dated 1stMay 2018 regarding Corporate Environment Responsibility. Project proponent shall require to invest amount of Rs. 866.5 lakhs towards the Upgradation of Educational Facilities (Rs131 lakhs), Upgradation of Public Health Centers (Rs 85 lakhs), Solid Waste Segregation and Collection Centre (Rs 75 lakhs), Sewerage/ drainage line and Septic tanks (Rs165 lakhs), Solar Street Lights (Rs 67.5 lakhs), Drip Irrigation System (Rs195 lakhs), Rain shelters (Rs 48 lakhs) and Drinking Water Supply Scheme (Rs 100 lakhs). The entire activities under CER shall be treated as a project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half-yearly compliance report and to a District Collector.</p>	<p>COMPLETED:</p> <ul style="list-style-type: none"> • INR 89.02 lakhs funded for the development of Drinking Water supply scheme for Nirath Village. Scheme completed on 27.07.2022 • <u>INR 5 lakhs</u> funded for the development of playground at GPS, Koel, Kullu. Works completed on 28.02.2024 • Medical material/equipment, worth <u>INR 6.9 lakhs</u> distributed in Public Health Centre/Sub-Centre in the Project area. • <u>INR 12.49 lakhs</u> spent on the development of stage at GSSS, Nither, Kullu. <p>ONGOING:</p> <ul style="list-style-type: none"> • INR 4.43 lakhs has been approved for C/o two unit toilet at PHSC Koel, and the amount of INR 3.10 lakhs has been released to concerned panchayat. <p>Funding's against the CER are reported to the concerned DCs on a real time basis. Moreover, the instant report is being shared with MoEF&CC as per laid schedule.</p>
iii	<p>Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of Satluj River Basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months or as submitted in the EIA/EEMP report, whichever value is higher, shall be released as environmental flow.</p>	<p>Shall be ensured</p>

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S.N.	Conditions	Status
iv	Necessary permission/ clearance to be obtained for quarrying construction materials for the Project as per the EIA Notification, 2006 and subsequent amendments thereof.	<ul style="list-style-type: none"> • There are two approved quarries - Moin and Koel. • EC issued by SEIAA, HP on 03.07.2021 & 15.07.2021, respectively.
v	Solid waste generated, especially plastic waste, etc. should not be disposed of as landfill material. It should be treated with a scientific approach and recycled. Use of single-use plastics may be discouraged.	<p>Being ensured.</p> <ul style="list-style-type: none"> • Flax banners (single-use plastic) usage discouraged in Project (Refer. Circular issued in August 2024).
vi	Wildlife Conservation plan for all Schedules I species shall be implemented with the approval of the Competent Authority.	<p>Wildlife Conservation Plan (for INR 105 lakh) being worked out by HP Forest Department.</p> <p>The biodiversity/wildlife management plan for the project was approved by chief wildlife warden on dated 25.03.2026. Demand note amounting 1.05 Cr yet to be raised by the forest deptt.</p>
vii	Land acquired for the project shall be suitably compensated in accordance with the law of the land with the prevailing guidelines. Private land shall be acquired as per provisions of Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013.	<p>Being ensured.</p> 
viii	The Environmental Clearance is valid for a period of 10 years from the date of issue of this letter for commissioning of the Project.	<p>Noted</p>


S.N.	Conditions	Status
ix	After 5 years of the commissioning of the Project, a study shall be undertaken regarding impact of the Project on the environment and downstream ecology. The study shall be undertaken by an independent agency, decided in consultation with the Ministry.	Shall be ensured.
x	Any other clearances /permissions/ approvals from any other organization/ department, as applicable to the Project shall be taken.	Complied
ANNEXURE-I: Standard EC Condition for River valley and Hydro Electric Project		
i	The Project proponent shall obtain Forest Clearance under the provisions of Forest (Conservation) Act, 1981, in case of the diversion of forest land for non-forest purpose involved in the project.	Project (98.1004 ha) <ul style="list-style-type: none"> ● FC-I granted on 19.09.2018 ● FC-II granted on 28.03.2019 Additional land (0.9486 ha) - For Moin Road to Quarry Site <ul style="list-style-type: none"> ● FC-I granted on 21.12.2020 ● FC-II granted on 13.10.2021
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable

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S.N.	Conditions	Status
iii	<p>The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. These commendations 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).</p>	<p>The Site-Specific Conservation Plan & Wildlife Management Plan under scrutiny and being finalized by HP Forest Department.</p> <p>The biodiversity/wildlife management plan for the project was approved by chief wildlife warden on dated 25.03.2026. Demand note amounting 1.05 Cr yet to be raised by the forest deptt.</p>
iv	<p>The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.</p>	<p>Consent to Establish</p> <ul style="list-style-type: none"> ● CTE valid till 13.09.2021 (Issued on 14.09.2020) ● RCTE valid till 31.03.2023 (Issued on 08.11.2021) ● RCTE valid till 31.03.2025 (Issued on 29.08.2024) ● RCTE valid till 31.03.2027 (issued on 17.02.2026)
v	<p>NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.</p>	<ul style="list-style-type: none"> ● Parameters approved during 31st Meeting of NCSDP on 23.06.2016 ● NOC granted on 07.10.2016 <p><i>Behera Kumar</i></p>

S.N.	Conditions	Status
vi	Necessary approval of CEA shall be obtained as the Project cost is more than Rs.1,000 crore.	CEA (GoI) accorded concurrence on 01.05.2018
ii Air Quality monitoring and preservation		
i	Regular monitoring of various environmental parameters viz. Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA/ Monitoring purposes.	Monitoring being done by HPSPCB as per the laid Environment Monitoring Plan. Further, internal monitoring is done through SJVN Laboratory and M/s LHPC. Refer Enclosure-2 for reports by HPSPCB.





S.N.	Conditions	Status
ii	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply with prescribed standards.	<p>Being ensured</p> <p>Appropriate dust suppression and extraction systems have been deployed across all vulnerable points. These include water sprinklers at the Crusher Plant, enclosed hoods at the Batching Plant, and routine dust mitigation at the DT Inlet zones. To ensure that these systems strictly comply with the prescribed National Ambient Air Quality Standards (NAAQS), M/s Idma Laboratories Ltd. (an independent third-party laboratory) has been engaged to conduct ambient air quality monitoring at the project site.</p> <p>Reports attached as (Annexure-A)</p>
iii	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites	<p>Being ensured</p> <p>Water sprinkling is regularly performed on construction site and also Moin crusher routes. Additional sprinkling is done during peak hours to further reduce the dust.</p> <p>Images attached as (Annexure-B).</p>
III	Water quality monitoring and preservation	
i	Before impounding of the water, coffer dams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the Project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the coffer dam.	<p>Shall be ensured</p> <p>As on now not applicable.</p> <p><i>Joseph Kumar</i></p>

S.N.	Conditions	Status
ii	As there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the Project	Shall be ensured
iii	Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheets are to be submitted to the Regional Office, MoEF&CC and to the CWC on a weekly basis.	Shall be ensured
IV	Noise monitoring and prevention	
i	All the equipment likely to generate high noise shall be appropriately enclosed or in-built noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.	Essential measures are in place at stone crusher plant and batching plants to reduce noise during operational hours. Further, maintenance timings have been scheduled as such to minimize operational disturbances during community hours. Essential noise mitigation measures have been implemented at the crusher plant and batching plants to reduce noise levels during operational hours. Additionally, maintenance activities have been scheduled to minimize operational disturbances during community active hours. (Annexure-C).

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S.N.	Conditions	Status
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB (A) during day time and 70 dB(A) during night time.	Being ensured Systematic noise level assessments are conducted at multiple locations across the operational site and in adjoining residential areas. (Annexure-C)
V	Catchment Area Treatment Plan i Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.	<ul style="list-style-type: none"> Refer Enclosure-1 for details.
VI	Waste Management	

Joseph Kumar

S.N.	Conditions	Status
i	<p>Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balance be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.</p>	<ul style="list-style-type: none"> • Amendment in EC issued by MoEF&CC on 18.03.2021 citing change in location and area of dumping sites. • All muck is dumped in the designated dumping sites. Further, dumpers are securely covered during the transportation of muck to prevent any spillage. • Refer Enclosure-1 for Muck details. <p>Muck disposal is being carried out exclusively at the designated zones located away from the High Flood Level (HFL). Construction reuse options are already being mapped out, and the biological/engineering stabilization plan will be triggered the moment a site goes inactive.</p>
ii	<p>Solid waste management should be planned in detail. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA / EMP reports. Efforts be made to avoid one time use of plastics.</p>	<p>Being ensured.</p>
VII	<p>Green Belt, EMP Cost, Fisheries and Wildlife Management</p>	

Asst. Project Engineer

Deepak Kumar

S.N.	Conditions	Status
i	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.	<ul style="list-style-type: none"> • Executing Agency: HP Fisheries Dept. • Fund remitted: INR 105 lakhs on 12.02.2021 • UC: INR Zero lakhs (Cumulative INR 69 lakhs) <p>Expenditure details as under:</p> <ul style="list-style-type: none"> • INR 30 lakh utilized for the development of Fish landing centre for Kol dam reservoir at Sunni, Shimla. • Part funding for the construction of Mahseer hatchery-cum carp breeding unit at village- Naggar in Tehsil Sunni, District Shimla (INR 39 lakhs)
ii	Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.	Not applicable (as no protected area)
iii	To enrich the habitat of the Project site, plantation shall be raised as envisaged in the EIA/ EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.	Shall be ensured through Rim Area Treatment Plan.
iv	Compensatory Afforestation programme shall be implemented as per the plan approved.	<ul style="list-style-type: none"> • Outlay: INR 6.13 crores (including departmental and contingency charges; plus INR 4 lakhs for CA against additional land) • Remitted funds: INR 6.13 crores on 19.11.2018 • Executing Agency: HP Forest Department • UC: INR 41.80 Lakhs (Cumulative INR 204.81 lakhs)

S.N.	Conditions	Status
v	Fish ladder/pass as envisaged in the EIA/ EMP report shall be provided for migration of fishes, if any. Regular monitoring of this facility be carried out to ensure its effectiveness.	Reservoir fishery has been proposed in the EIA/EMP report.
VIII Public hearing and Human health issues		
i	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.	<ul style="list-style-type: none"> Refer Enclosure-1 for details.
ii	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.	<ul style="list-style-type: none"> Crop compensation: INR NIL (Cumulative - INR 1255 lakhs) Crack Compensation: INR NIL (Cumulative - INR 554 lakhs)
iii	Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases.	<p>Being ensured</p> <p>The office, township and bachelor accommodation is assets of Rampur Hydro Power Station (RHPS), hence being catered by PIS Deptt. of RHPS. Regarding affected villages action is taken on the bases of request received from GPs.</p>

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S.N.	Conditions	Status
iv	<p>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, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.</p>	<p>Being ensured through Contract provisions. Our main contractor has established well equipped labour colony at various sites, ensuring the workers have access to cooking facilities and dedicated staff mess. Additionally, mobile and temporary toilets have been installed in working areas. The work site is equipped with proper drinking water and sufficient medical facilities. Further, round the clock ambulance facility for any emergency situations.</p> <p>Well equipped labour colonies have been established at various sites, ensuring that workers have access to essential cooking facilities and a dedicated staff mess for their meals. Additionally, adequate mobile and temporary toilets have been installed in the working areas. The work site is equipped with proper drinking water facilities for the workforce, and sufficient medical facilities are available to ensure the well-being of the workers. A 24/7 ambulance facility is maintained for any emergency situations, and regular TBTs are conducted at the project site.</p> <p>(Annexure-D)</p>
v	<p>Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.</p>	<p>Workers are issued work permits upon medical checkup. Moreover, first aid unit and ambulance facility developed at the Project site.</p> <p>Regular medical camps and check-ups are conducted at the project site dispensary, providing medical services for the entire workforce.</p> <p>(Annexure-E)</p>

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S.N.	Conditions	Status
vi	Early Warning Telemetric system shall be installed in the upper catchment area of the Project for advance intimation of flood forecast.	Early Warning System installed by Project for INR 43.85 lakhs.
vii	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis.	Shall be ensured
IX	Corporate Environment Responsibility	
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/ 2017-IA.III, dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Being ensured
ii	Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long-time livelihood generation.	Being ensured. Skill development training programmes have been conducted for the local youths of Project Affected Areas of LHEP-1 at local area.

Deepak Kumar

S.N.	Conditions	Status
iii	<p>The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/ violation of the environmental /forest/ wildlife norms/ conditions. The company shall have a defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholder's / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of a six-monthly report.</p>	<p>The SJVN has a well laid down environmental policy duly approved by the Board of Directors.</p>
iv	<p>A separate Environmental Cell both at the project and company headquarter level, with qualified personnel shall be set up under the control of a Senior Executive, who will directly report to the head of the organization.</p>	<p>Environment Cell at Project and Corporate established.</p>

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S.N.	Conditions	Status
v	Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in a separate account and not to be diverted for any other purpose. Year wise progress of implementation of the action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.	Action plan along with responsibility matrix approved by Competent Authority on 14.01.2022. Further, budget provisions are made in the Project cost duly approved by CCEA.
vi	Post EIA and SIA be prepared for the Project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	Shall be ensured.
vii	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA / EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the web site of the Company.	Ministry requested vide letter dated 10.06.2021, followed by reminders dated 25.10.2021, 21.03.2022, 21.06.2022, 02.08.2022, 30.09.2022, 16.03.2023, 28.09.2023 and 27.04.2024. MDC approved by MoEF&CC on January 07, 2025. 1 st MDC conducted on June 17, 2025 (Monitoring report shared through previous six monthly report).
X	Miscellaneous	

Devi *K*

S.N.	Conditions	Status
i	<p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p>	<ul style="list-style-type: none"> • EC advertised in two local newspapers: Divya Himachal & Amar Ujala on 24.03.2020. • Further, a copy of Environment clearance is also displayed permanently at SJVN website www.sjvn.nic.in.
ii	<p>The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.</p>	<ul style="list-style-type: none"> • EC has been shared with concerned Gram Pradhans, Chairperson BDCs & Chairperson Zila Parishad on 23.03.2020. • Further, copies of EC have also been sent to concerned Deputy Commissioner, SDM & HPSPCB for displaying the same for 30 days for public information on 23.03.2020.
iii	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.</p>	<p>Being ensured</p>

Shashi Kumar

S.N.	Conditions	Status
iv	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance portal.	Latest Six-Monthly Compliance Report uploaded on PARIVESH on 23.02.2026.
v	i. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the web site of the company.	Last Environment Statement submitted through HPOCMMS on November 15, 2025.
vi	The project proponent shall inform the Regional Office as well as the Ministry, 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.	<p>PROJECT</p> <ul style="list-style-type: none"> ● Financial Approval by CCEA: 20.11.2020 ● Date of Financial Closure: 28.02.2022 ● Start of land development work: Work awarded on 24.11.2020 Actual Work started in March 2021 ● Start of Operation (COD): Planned for August 2029 for 1st COD.
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Being ensured

Deepak Kumar

S.N.	Conditions	Status
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/ EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Being ensured
ix	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Shall be complied
x	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Shall abide the condition
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Shall abide the condition
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Shall abide the condition

Deepak Kumar

S.N.	Conditions	Status
xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data information/monitoring reports.	Being ensured
xiv	The above conditions shall be forced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Shall abide the condition
xv	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.	Complied. No appeal reported.

Additional conditions imposed by the Ministry of Environment & Forests, Govt in environment clearance amendment vide letter no. J-12011/18/2015-IA-I (R) Pt dated 18.03.2021

Deeppika Kumari

S.N.	Conditions	Status
i	Necessary control measures such as water sprinkling arrangement at all the construction and muck disposal sites and construction of paved roads leading to muck disposal sites shall be made to arrest fugitive dust and proper institutional mechanism be prepared for supervising this activity during operation & maintenance stage of the project.	Being ensured. Water sprinkling is regularly performed on the construction site and Moin crusher routes. Additional sprinkling is done during peak hours. (Annexure-B)
ii	Stabilization of muck disposal sites using biological and engineering measures shall be taken up to ensure that muck does not roll down the slopes and shall be disposed of safely and that it does not pollute the natural streams and waterbodies in the surrounding area. The engineering measures for the muck disposal arrangement be evolved after carrying out required slope stability analysis.	Being ensured. Comprehensive protective measures have been implemented along both banks of the river at the construction site and the designated dumping areas to effectively mitigate the risk of debris and sediment being dislodged and entering the river. (Annexure-F)
iii	Necessary consent shall be obtained from District Administration due to proposed change in private land use for dumping of muck.	It has been intimated to State Administration i.e. SDM, Rampur & Kumarsain vide letter dated 20.03.2021.

Note: Photographs of few of the environmental aspects at Annexure A to F.

Shripur Khan

Enclosure-1

S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
A	Cost of Management Plans	14860.57	INR 12878.26 lakhs (Out of this INR 7726.92 lakh spent on Environmental measures, remaining is on R&R measure).
1	Catchment Area Treatment Plan	5668.34	<ul style="list-style-type: none">• Executing Agency: HP Forest Dept.• Fund remitted: <u>INR 5668 lakhs</u> (on 29.11.2018)• UC: 558 lakhs (Cumulative INR 2677 lakh)
2	Muck Management Plan	513.77	Protection Measures: <ul style="list-style-type: none">• Executing Agency: M/s LHPC• INR Zero (<u>Cumulative INR 59.255 lakhs</u>) Muck Details (with 45 %/20% Swell Factor): Generated: 34.49 lakh m³ Utilized: 15.16 lakh m³ Dumped: 19.33 lakh m³
3	Compensatory Afforestation and Biodiversity Management Plan	1408.06	CA/NPV/Addl. CA/contingency charges/departamental charges/cost of trees: <ul style="list-style-type: none">• Executing Agency: HP Forest Dept.• Fund remitted: <u>INR 1461 lakhs</u> (on 29.11.2018)• <u>UC 61 lakh (Cumulative INR 163 lakh) against CA</u>• UC: INR 41 Lakhs (Cumulative INR 204 lakhs)
4	Landscaping and Restoration *	80	Protection works at site, staff camp, crusher site and labour colony: <ul style="list-style-type: none">• INR Zero lakhs (<u>Cumulative INR 84.787 lakhs</u>).

Note: Changes from previous six-monthly report are highlighted in bold

5	Management plan for Air, Water and Noise Environment	25	Awareness: <u>Cumulative INR 0.04 lakhs.</u> Others: INR Zero lakhs (<u>Cumulative INR 144.54 lakhs</u>). Brief details as under: <ul style="list-style-type: none"> • PPE - Zero
S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
6	Labour, Energy Conservation Measures and Waste Management Plan	245	For labour: <ul style="list-style-type: none"> • <u>Cumulative INR 0.236 lakhs</u> for dustbins • <u>Cumulative INR 3.39 lakhs</u> for bio-toilets.
7	Reservoir Rim Treatment and Greenbelt Development Plan	108.63	Shall be taken up during commissioning of Project.
8	Dam Break Analysis and Disaster Management Plan	143	Shall be taken up during commissioning of Project. Early Warning System installed for INR 43.85 lakh.
9	Fisheries Management Plan	92	<ul style="list-style-type: none"> • Fund remitted: <u>INR 105 lakhs</u> • UC: INR 39 lakhs (Cumulative INR 69 lakhs)
10	Resettlement and Rehabilitation Plan #	6243.75	R&R plan approved on 04.01.2022 and 04.06.2022 for Kullu and Shimla districts, respectively. <ul style="list-style-type: none"> • INR 507 lakh disbursed in Kullu (<u>Cumulative - INR 2013 lakhs disbursed against the approved INR 2043 lakhs</u>) • INR Zero lakhs disbursed in Shimla (<u>Cumulative - INR 3078 lakhs disbursed against the approved INR 3292 lakhs</u>) • Resettlement of displaced families in progress. Payment of INR 60.34 lakhs remitted to SDM(Nirmand) for purchase of land.

Note: Changes from previous six-monthly report are highlighted in bold

11	Public Health Management Plan	185.4	Ambulance, first aid boxes, medicines: <ul style="list-style-type: none"> • INR 7.16 lakhs (<u>Cumulative INR 52.86 lakhs</u>).
12	Environment Monitoring Plan	147.62	<p>Monitoring by HPSPCB as per their Monitoring plan:</p> <ul style="list-style-type: none"> • INR 7.25 lakhs remitted (Cumulative <u>INR 50.29 lakhs</u> against the approved INR 546.93 lakhs). The monitoring plan is for 45 years <p>Ecological Study by M/s Terracon:</p> <ul style="list-style-type: none"> • Total five-year study (four years completed). • INR 7 lakhs (<u>Cumulative INR 28 lakhs</u> against the awarded INR 35 lakhs) <p>SJVN Laboratory:</p> <ul style="list-style-type: none"> • INR 2.25 lakhs spent on chemicals, equipment, filter paper, etc. (<u>Cumulative INR 25.28 lakhs</u>) <p>M/S LHPC:</p> <ul style="list-style-type: none"> • INR Zero lakh spent on monitoring. (<u>Cumulative INR 0.42 lakhs</u>)
S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
B	Corporate Environmental Responsibility (CER)	866.5	<p>INR 3.10 lakh funded (<u>Cumulative INR 116.52 lakhs</u>). Details supplied at Serial No. ii of the Report.</p> <p>ONGOING:</p> <ul style="list-style-type: none"> • INR 4.43 lakhs has been approved for C/o two unit toilet at PHSC Koel, and the amount of INR 3.10 lakhs has been released to concerned panchayat.
	<i>Grand Total (A+B)</i>	<i>15727.07</i>	12,994.78 lakhs

Note: Changes from previous six-monthly report are highlighted in bold



**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 17873135/A-21735

31/01/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Village Bithal**
Date of collection: **12/01/2026**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **21/01/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	52.65	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 17873181/A-21740

31/01/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Old Admin. Office Site, Bithal**
Date of collection: **12/01/2026**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **21/01/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	29.36	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 17873200/A-21739

31/01/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Village Moin**
Date of collection: **13/01/2026**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **21/01/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	45.83	microgram mes/m ³	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 17873248/A-21738

31/01/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **PH/Dam Site (Right Bank of River Satluj)**
Date of collection: **13/01/2026**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **21/01/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	35.23	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 17873278/A-21737

31/01/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **PH/Dam Site (left Bank of River Satluj)**
Date of collection: **15/01/2026**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **21/01/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	67.80	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 17873289/A-21736

31/01/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Village Nirath**
Date of collection: **15/01/2026**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **21/01/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	98.30	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 18582776/A-22769

08/04/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Bithal Village**
Date of collection: **17/03/2026**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **28/03/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	41.67	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 18582778/A-22781

08/04/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Old Office, LHEP, Bithal**
Date of collection: **17/03/2026**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **28/03/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	32.20	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 18582785/A-22774

08/04/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Moin Village**
Date of collection: **18/03/2026**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **28/03/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	20.83	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 18582792/A-22771

08/04/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **PH/Dam Site (Right Bank of River Satluj)**
Date of collection: **18/03/2026**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **28/03/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	22.16	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 18582803/A-22770

08/04/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **PH/Dam Site (left Bank of River Satluj)**
Date of collection: **19/03/2026**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **28/03/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	21.59	microgram mes/m3	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 18582808/A-22773

08/04/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Point of collection: **Near Village Nirath**
Date of collection: **19/03/2026**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **28/03/2026**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	22.73	microgram mes/m3	NA	NA

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H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17262217/W-20225

11/11/2025

ISSUED TO: LUHRI HEP Stage I
Administrative Buildong, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **29/10/2025**
Description of sample: **River Satluj U/s Dam LHEP**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	BDL	mg/L	NA	NA
2	pH	8.08	-	NA	NA
3	Conductivity	133.2	microsiemens/cm	NA	NA
4	DO	8.8	mg/L	NA	NA
5	Fecal Coliform	24.0	MPN/100ml	NA	NA
6	BOD	BDL	mg/L	NA	NA
7	Turbidity	1.5	NTU	NA	NA
8	Nitrate-N	0.56	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Ammonical Nitrogen	BDL	mg/L	NA	NA
11	TSS	28.0	mg/L	NA	NA
12	Sodium	3.85	mg/L	NA	NA
13	Fluoride	0.20	mg/L	NA	NA
14	TDS	83.0	mg/L	NA	NA
15	Potassium	1.29	mg/L	NA	NA
16	Sulphate	28.05	mg/L	NA	NA
17	Total Hardness	72.0	mg/L	NA	NA
18	Ca++	25.25	mg/L	NA	NA
19	Total Phosphate	BDL	mg/L	NA	NA
20	Boron	0.26	mg/L	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17262220/W-20217

11/11/2025

ISSUED TO: LUHRI HEP Stage I
Administrative Buildong, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **29/10/2025**
Description of sample: **River Satluj TRT of LHEP**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	7.98	-	NA	NA
2	Conductivity	127.6	microsiemens/cm	NA	NA
3	DO	8.8	mg/L	NA	NA
4	BOD	BDL	mg/L	NA	NA
5	Turbidity	2.7	NTU	NA	NA
6	Nitrate-N	0.56	mg/L	NA	NA
7	Nitrite-N	BDL	mg/L	NA	NA
8	Sodium	3.76	mg/L	NA	NA
9	Fluoride	0.22	mg/L	NA	NA
10	TDS	79.0	mg/L	NA	NA
11	Potassium	1.24	mg/L	NA	NA
12	Boron	0.31	mg/L	NA	NA
13	Sulphate	28.79	mg/L	NA	NA
14	Total Hardness	80.0	mg/L	NA	NA
15	Ca++	24.84	mg/L	NA	NA
16	COD	BDL	mg/L	NA	NA
17	Total Phosphate	BDL	mg/L	NA	NA
18	Fecal Coliform	17.0	MPN/100ml	NA	NA
19	Ammonical Nitrogen	BDL	mg/L	NA	NA
20	TSS	38.0	mg/L	NA	NA

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RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17262224/W-20214

11/11/2025

ISSUED TO: LUHRI HEP Stage I
Administrative Buildong, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **29/10/2025**
Description of sample: **Hand Pump Nirath**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Total Phosphate	BDL	mg/L	NA	NA
2	pH	8.14	-	NA	NA
3	Turbidity	2.5	NTU	NA	NA
4	Nitrate-N	1.12	mg/L	NA	NA
5	Nitrite-N	BDL	mg/L	NA	NA
6	Ammonical Nitrogen	BDL	mg/L	NA	NA
7	TSS	23.0	mg/L	NA	NA
8	Sodium	3.52	mg/L	NA	NA
9	Fluoride	0.15	mg/L	NA	NA
10	TDS	87.0	mg/L	NA	NA
11	Potassium	2.04	mg/L	NA	NA
12	Boron	0.17	mg/L	NA	NA
13	Sulphate	16.24	mg/L	NA	NA
14	Total Hardness	90.0	mg/L	NA	NA
15	Ca++	32.86	mg/L	NA	NA
16	COD	BDL	mg/L	NA	NA
17	Conductivity	133.8	microsiemens/cm	NA	NA
18	DO	Not Reported	mg/L	NA	NA
19	Fecal Coliform	6.8	MPN/100ml	NA	NA
20	BOD	BDL	mg/L	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17262230/W-20224

11/11/2025

ISSUED TO: LUHRI HEP Stage I
Administrative Buildong, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **29/10/2025**

Description of sample: **River Satluj D/s Dam before conf. with Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	BDL	mg/L	NA	NA
2	pH	8.36	-	NA	NA
3	Conductivity	137.2	microsiemens/cm	NA	NA
4	DO	8.9	mg/L	NA	NA
5	Fecal Coliform	24.0	MPN/100ml	NA	NA
6	BOD	BDL	mg/L	NA	NA
7	Turbidity	2.3	NTU	NA	NA
8	Nitrate-N	0.82	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Ammonical Nitrogen	BDL	mg/L	NA	NA
11	TSS	49.0	mg/L	NA	NA
12	Sodium	4.16	mg/L	NA	NA
13	Fluoride	0.21	mg/L	NA	NA
14	TDS	85.0	mg/L	NA	NA
15	Potassium	1.53	mg/L	NA	NA
16	Boron	0.28	mg/L	NA	NA
17	Sulphate	31.66	mg/L	NA	NA
18	Ca++	24.44	mg/L	NA	NA
19	Total Phosphate	BDL	mg/L	NA	NA
20	Total Hardness	70.0	mg/L	NA	NA

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**Dr Rajender Kumar ,SO
RL Shimla**





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17262233/W-20211

11/11/2025

ISSUED TO: LUHRI HEP Stage I
Administrative Buildong, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **29/10/2025**
Description of sample: **Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	BDL	mg/L	NA	NA
2	pH	8.04	-	NA	NA
3	Conductivity	169.5	microsiemens/cm	NA	NA
4	DO	9.7	mg/L	NA	NA
5	Fecal Coliform	20.0	MPN/100ml	NA	NA
6	BOD	BDL	mg/L	NA	NA
7	Turbidity	1.6	NTU	NA	NA
8	Nitrate-N	0.98	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Sodium	3.42	mg/L	NA	NA
11	Fluoride	0.17	mg/L	NA	NA
12	Ammonical Nitrogen	BDL	mg/L	NA	NA
13	TDS	104.0	mg/L	NA	NA
14	Potassium	2.04	mg/L	NA	NA
15	Boron	0.18	mg/L	NA	NA
16	Sulphate	15.41	mg/L	NA	NA
17	Total Hardness	87.0	mg/L	NA	NA
18	Ca++	28.85	mg/L	NA	NA
19	Total Phosphate	BDL	mg/L	NA	NA
20	TSS	19.0	mg/L	NA	NA

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**Dr Rajender Kumar ,SO
RL Shimla**





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17262244/W-20216

11/11/2025

ISSUED TO: LUHRI HEP Stage I
Administrative Buildong, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **29/10/2025**
Description of sample: **River Satluj D/s after conf. with Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Total Phosphate	BDL	mg/L	NA	NA
2	pH	7.72	-	NA	NA
3	COD	BDL	mg/L	NA	NA
4	Conductivity	172.6	microsiemens/cm	NA	NA
5	Total Hardness	75.0	mg/L	NA	NA
6	DO	9.0	mg/L	NA	NA
7	Fecal Coliform	17.0	MPN/100ml	NA	NA
8	BOD	BDL	mg/L	NA	NA
9	Turbidity	1.6	NTU	NA	NA
10	Nitrate-N	0.69	mg/L	NA	NA
11	Nitrite-N	BDL	mg/L	NA	NA
12	Ammonical Nitrogen	BDL	mg/L	NA	NA
13	TSS	30.0	mg/L	NA	NA
14	Sodium	3.89	mg/L	NA	NA
15	Fluoride	0.21	mg/L	NA	NA
16	TDS	104.0	mg/L	NA	NA
17	Potassium	1.28	mg/L	NA	NA
18	Boron	0.25	mg/L	NA	NA
19	Sulphate	28.73	mg/L	NA	NA
20	Ca++	25.65	mg/L	NA	NA

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**Dr Rajender Kumar ,SO
RL Shimla**





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17945185/W-21964

13/02/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **30/01/2026**
Description of sample: **River Satluj U/s Dam Site**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.39	-	NA	NA
2	Conductivity	256.4	microsiemens/cm	NA	NA
3	Fecal Coliform	<1.8	MPN/100ml	NA	NA
4	BOD	2.0	mg/L	NA	NA
5	Turbidity	26.9	NTU	NA	NA
6	Nitrate-N	1.16	mg/L	NA	NA
7	Nitrite-N	BDL	mg/L	NA	NA
8	Ammonical Nitrogen	BDL	mg/L	NA	NA
9	TSS	49.0	mg/L	NA	NA
10	Sodium	6.69	mg/L	NA	NA
11	COD	5.2	mg/L	NA	NA
12	Total Phosphate	BDL	mg/L	NA	NA
13	Sulphate	41.90	mg/L	NA	NA
14	Ca++	31.66	mg/L	NA	NA
15	Fluoride	0.19	mg/L	NA	NA
16	TDS	162.0	mg/L	NA	NA
17	Potassium	3.25	mg/L	NA	NA
18	Boron	0.26	mg/L	NA	NA

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RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17945187/W-21959

13/02/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **30/01/2026**

Description of sample: **River Satluj TRT of Luhri HEP**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Conductivity	207.2	microsiemens/cm	NA	NA
2	Fecal Coliform	<1.8	MPN/100ml	NA	NA
3	BOD	1.9	mg/L	NA	NA
4	Turbidity	22.6	NTU	NA	NA
5	Nitrate-N	1.30	mg/L	NA	NA
6	Nitrite-N	BDL	mg/L	NA	NA
7	Ammonical Nitrogen	BDL	mg/L	NA	NA
8	TSS	53.0	mg/L	NA	NA
9	COD	4.8	mg/L	NA	NA
10	Sulphate	30.89	mg/L	NA	NA
11	Boron	0.28	mg/L	NA	NA
12	Total Phosphate	BDL	mg/L	NA	NA
13	Ca++	28.05	mg/L	NA	NA
14	pH	8.14	-	NA	NA
15	Sodium	6.60	mg/L	NA	NA
16	Fluoride	0.21	mg/L	NA	NA
17	TDS	120.0	mg/L	NA	NA
18	Potassium	3.31	mg/L	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17945189/W-21962

13/02/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **30/01/2026**
Description of sample: **Hand Pump Nirath**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Conductivity	352.4	microsiemens/cm	NA	NA
2	Fecal Coliform	<1.8	MPN/100ml	NA	NA
3	BOD	BDL	mg/L	NA	NA
4	Turbidity	10.6	NTU	NA	NA
5	Nitrate-N	0.63	mg/L	NA	NA
6	Nitrite-N	BDL	mg/L	NA	NA
7	Ammonical Nitrogen	BDL	mg/L	NA	NA
8	TSS	5.0	mg/L	NA	NA
9	Sodium	9.23	mg/L	NA	NA
10	Fluoride	0.16	mg/L	NA	NA
11	TDS	222.0	mg/L	NA	NA
12	COD	BDL	mg/L	NA	NA
13	Total Phosphate	BDL	mg/L	NA	NA
14	Sulphate	50.76	mg/L	NA	NA
15	Ca++	57.71	mg/L	NA	NA
16	pH	7.76	-	NA	NA
17	Potassium	4.07	mg/L	NA	NA
18	Boron	0.20	mg/L	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17945191/W-21960

13/02/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **30/01/2026**

Description of sample: **River Satluj D/s Dam before conf. with bhera khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	7.84	-	NA	NA
2	Conductivity	210.3	microsiemens/cm	NA	NA
3	Fecal Coliform	4.0	MPN/100ml	NA	NA
4	Turbidity	21.8	NTU	NA	NA
5	Nitrate-N	1.48	mg/L	NA	NA
6	Ammonical Nitrogen	BDL	mg/L	NA	NA
7	TSS	44.0	mg/L	NA	NA
8	Sodium	6.67	mg/L	NA	NA
9	Fluoride	0.19	mg/L	NA	NA
10	TDS	134.0	mg/L	NA	NA
11	Potassium	3.29	mg/L	NA	NA
12	Boron	0.29	mg/L	NA	NA
13	COD	BDL	mg/L	NA	NA
14	Total Phosphate	BDL	mg/L	NA	NA
15	Sulphate	35.40	mg/L	NA	NA
16	Ca++	29.65	mg/L	NA	NA
17	BOD	BDL	mg/L	NA	NA
18	Nitrite-N	BDL	mg/L	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17945195/W-21951

13/02/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **30/01/2026**

Description of sample: **River Satluj D/s after conf. with Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.31	-	NA	NA
2	Conductivity	204.5	microsiemens/cm	NA	NA
3	Fecal Coliform	17.0	MPN/100ml	NA	NA
4	BOD	2.4	mg/L	NA	NA
5	Nitrate-N	1.21	mg/L	NA	NA
6	Nitrite-N	BDL	mg/L	NA	NA
7	Ammonical Nitrogen	BDL	mg/L	NA	NA
8	TSS	55.0	mg/L	NA	NA
9	Sodium	6.64	mg/L	NA	NA
10	COD	8.8	mg/L	NA	NA
11	Total Phosphate	BDL	mg/L	NA	NA
12	Sulphate	31.81	mg/L	NA	NA
13	Ca++	31.26	mg/L	NA	NA
14	Turbidity	19.6	NTU	NA	NA
15	Fluoride	0.23	mg/L	NA	NA
16	TDS	125.0	mg/L	NA	NA
17	Potassium	3.31	mg/L	NA	NA
18	Boron	0.32	mg/L	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 17945193/W-21961

13/02/2026

ISSUED TO: LUHRI HEP Stage I
Administrative Building, LHEP-1, Village Bayal P.O .Koyal, Tehsil Nirmand, District
Kullu, Nirmand
Distt.Kullu anni, H.P.172023

Sample received on: **30/01/2026**
Description of sample: **Bhera khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	1.23	mg/L	NA	NA
2	Nitrite-N	BDL	mg/L	NA	NA
3	TSS	50.0	mg/L	NA	NA
4	Sodium	6.90	mg/L	NA	NA
5	Fluoride	0.17	mg/L	NA	NA
6	TDS	118.0	mg/L	NA	NA
7	COD	4.8	mg/L	NA	NA
8	Ammonical Nitrogen	BDL	mg/L	NA	NA
9	Potassium	3.30	mg/L	NA	NA
10	Boron	0.21	mg/L	NA	NA
11	Total Phosphate	BDL	mg/L	NA	NA
12	Sulphate	37.51	mg/L	NA	NA
13	Ca++	27.25	mg/L	NA	NA
14	Conductivity	203.5	microsiemens/cm	NA	NA
15	pH	7.98	-	NA	NA
16	Fecal Coliform	12.0	MPN/100ml	NA	NA
17	BOD	1.4	mg/L	NA	NA
18	Turbidity	24.2	NTU	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla





Idma Laboratories Limited

TEST REPORT

Report No.	110326N-E-001	Issue Date	17/03/2026	Page No.	1/1
Issued to#	Patel Engineering Ltd. Luhri Hep Stage-I, Village Nirath, P.O. Dattnagar, Teh. Rampur, Distt. Shimla -172002 (H.P.) Himachal Pradesh				
Customer Name & Contact Information#	Mr. Chaman Lal Thakur				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	5100004804	Dated#	27/02/2026		
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	11/03/2026				
Period of Analysis	11/03/2026 To 17/03/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DT Inlet				
Date of Sampling	09/03/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING	-	-	-	-
1	PM 10	$\mu\text{g}/\text{m}^3$	Max. 100	76.2	IS 5182 (Part 23)
	PM2.5	$\mu\text{g}/\text{m}^3$	Max. 60	40.6	IDL/SP/03, Issue No-1
3	SO ₂	$\mu\text{g}/\text{m}^3$	Max. 80	14.7	IS 5182 (Part 2)
4	NO ₂	$\mu\text{g}/\text{m}^3$	Max. 80	16.1	IS 5182 (Part 6)
5	CO	mg/m^3	Max. 02	0.58	IS 5182 (Part 10)

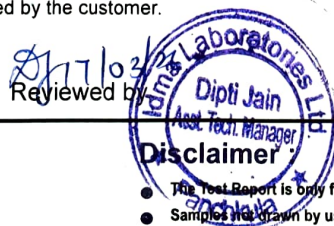
Opinion : N/A

Remarks : N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

Ambient Air Reports



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in



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Idma Laboratories Limited

TEST REPORT

Report No.	110326N-E-002	Issue Date	17/03/2026	Page No.	1/1
Issued to#	Patel Engineering Ltd. Luhri Hep Stage-I, Village Nirath, P.O. Datnagar, Teh. Rampur, Distt. Shimla -172002 (H.P.) Himachal Pradesh				
Customer Name & Contact Information#	Mr. Chaman Lal Thakur				
Description of Sample#	Ambient Air				
Customer's Ref No & Date #	5100004804	Dated#	27/02/2026		
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	11/03/2026				
Period of Analysis	11/03/2026 To 17/03/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Batching Plant.				
Date of Sampling	09/03/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING	-	-	-	-
1	PM 10	µg/m ³	Max. 100	77.6	IS 5182 (Part 23)
2	PM2.5	µg/m ³	Max. 60	37.5	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	Max. 80	13.9	IS 5182 (Part 2)
4	NO2	µg/m ³	Max. 80	17.2	IS 5182 (Part 6)
5	CO	mg/m ³	Max. 02	0.64	IS 5182 (Part 10)

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

17/03/26
Reviewed by
Dipti Jain
Asst. Tech. Manager
Idma Laboratories Ltd
Panchkula

Authorised signatory
Kartar Singh
Tech. Mgr.
Idma Laboratories Ltd
Panchkula

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in



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Idma Laboratories Limited

TEST REPORT

Report No.	110326N-E-003	Issue Date	17/03/2026	Page No.	1/1
Issued to#	Patel Engineering Ltd. Luhri Hep Stage-I, Village Nirath, P.O. Dattnagar, Teh. Rampur, Distt. Shimla -172002 (H.P.) Himachal Pradesh				
Customer Name & Contact Information#	Mr. Chaman Lal Thakur				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	5100004804	Dated#	27/02/2026		
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	11/03/2026				
Period of Analysis	11/03/2026 To 17/03/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Crusher Plant.				
Date of Sampling	09/03/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING	-	-	-	-
1	PM 10	µg/m ³	Max. 100	87.2	IS 5182 (Part 23)
2	PM2.5	µg/m ³	Max. 60	46.3	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	Max. 80	15.9	IS 5182 (Part 2)
4	NO2	µg/m ³	Max. 80	16.4	IS 5182 (Part 6)
5	CO	mg/m ³	Max. 02	0.71	IS 5182 (Part 10)

Opinion : N/A

Remarks : N/A

Specific test condition, if any : N/A

Represents details provided by the customer


Reviewed by

Dipti Jain
Asst. Tech. Manager


Authorised signatory

Kartar Singh
Tech. Mgr.

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in



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Active deployment of a Respirable Dust Sampler (RDS) equipped with a {PM}_{2.5} fine particulate attachment by the independent third-party laboratory team. This instrumentation was utilized to measure ambient air quality and fugitive dust emissions at project infrastructure locations, verifying compliance with National Ambient Air Quality Standards (NAAQS) as detailed in Test Report No. 110326N-E-002.



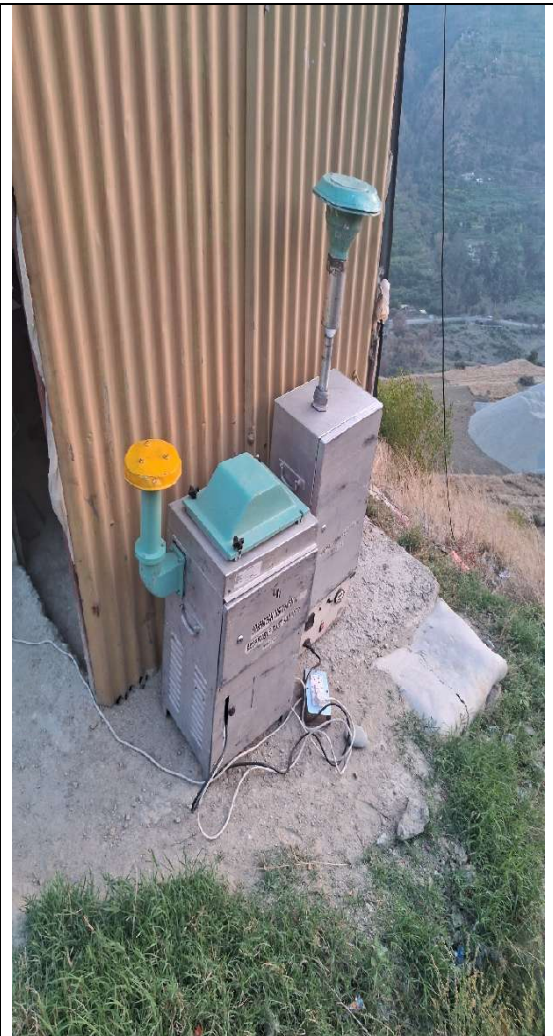
Third-party environmental monitoring equipment positioned at a vulnerable site boundary interface. This setup continuously monitors ambient air parameters ($\{PM\}_{10}$ and $\{PM\}_{2.5}$) to scientifically validate the efficacy of ongoing on-site dust suppression measures (such as systematic water sprinkling) in arresting fugitive dust, as referenced in Test Report No. 110326N-E-001.



Collocated air sampling assembly positioned adjacent to active plant machinery and electrical control panels to monitor maximum localized emission impacts. The resulting data confirms that even within heavy operational zones, ambient dust concentrations remain safely below statutory limits, providing verified baseline proof for compliance report numbers 110326N-E-002 and 110326N-E-003.



On-site technicians conducting stack/source emission monitoring on the facility's exhaust system to ensure compliance with environmental air pollution standards.



Installation of a Respirable Dust Sampler (RDS) on-site for routine monitoring of ambient air quality and particulate matter levels.

ANNEXURE-B





Water sprinkling is done throughout site.



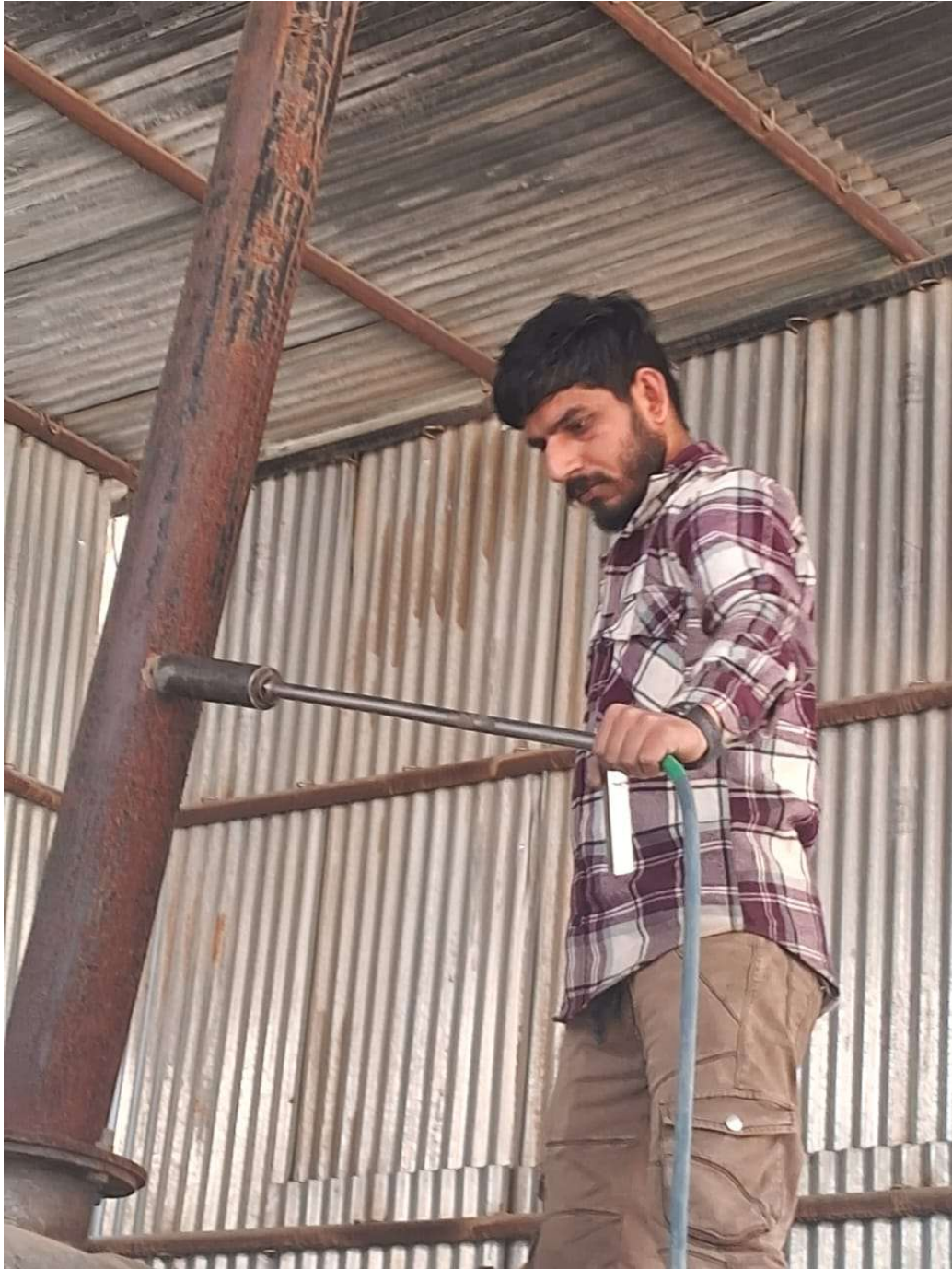
Water sprinkling is done at MoinRoad and nearby dusty areas.



Annexure-C



Source emission testing conducted at a rooftop exhaust chimney discharge location. Evaluating emissions at elevated stack release points provides the necessary scientific data to validate that the plant's centralized Air Pollution Control (APC) systems are effectively minimizing point-source pollution.



Close-up of the independent laboratory technician utilizing a specialized stack monitoring probe inserted into the exhaust flues. This procedure samples regulated gases {SO}_2, {NO}_2, {CO} directly from the emission source to verify that process machinery functions within statutory limits prior to atmospheric discharge.



Comprehensive view of stack monitoring being executed on a large-capacity Caterpillar (CAT) Diesel Generator (DG) set. This physical verification confirms that the generator's integrated emission controls are operating efficiently and meet the standards prescribed under the Environment (Protection) Rules.



Idma Laboratories Limited

TEST REPORT

Report No.	110326N-E-005	Issue Date	17/03/2026	Page No.	1/1
Issued to#	Patel Engineering Ltd. Luhri Hep Stage-I, Village Nirath, P.O. Dattnagar, Teh. Rampur, Distt. Shimla -172002 (H.P.) Himachal Pradesh				
Customer Name & Contact Information#	Mr. Chaman Lal Thakur				
Description of Sample#	Noise Level (Ambient)	Dated#	27/02/2026		
Customer's Ref No. & Date #	5100004804				
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	11/03/2026				
Period of Analysis	11/03/2026 To 17/03/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Crusher Plant.				
Date of Sampling	10/03/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

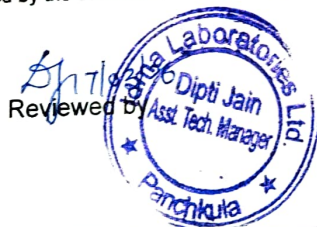
S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise)	-	-	-	-
1	Lday	dB(A)	Max 75	73.7	CPCB PROTOCOL July 2015.
	LNight	dB(A)	Max 70	66.4	CPCB PROTOCOL July 2015.

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Noise Level Reports

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.	110326N-E-006	Issue Date	17/03/2026	Page No.	1/1
Issued to#	Patel Engineering Ltd. Luhri Hep Stage-I, Village Nirath, P.O. Dattnagar, Teh. Rampur, Distt. Shimla -172002 (H.P.) Himachal Pradesh				
Customer Name & Contact Information#	Mr. Chaman Lal Thakur				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No. & Date #	5100004804	Dated#	27/02/2026		
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No. #	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	11/03/2026				
Period of Analysis	11/03/2026 To 17/03/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Batching Plant.				
Date of Sampling	10/03/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

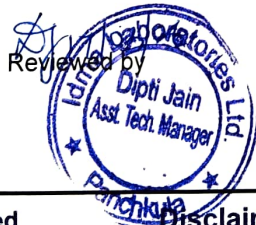
S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	70.2	CPCB PROTOCOL July 2015.
	LNight	dB(A)	Max 70	63.8	CPCB PROTOCOL July 2015.

Opinion : N/A

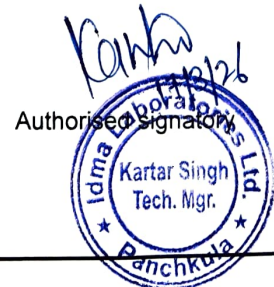
Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report



Idma Laboratories Limited

Idma Corporate Park,
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Haryana (India)
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Idma Laboratories Limited

TEST REPORT

Report No.	110326N-E-007	Issue Date	17/03/2026	Page No.	1/1
Issued to#	Patel Engineering Ltd. Luhri Hep Stage-I, Village Nirath, P.O. Dattnagar, Teh. Rampur, Distt. Shimla -172002 (H.P.) Himachal Pradesh				
Customer Name & Contact Information#	Mr. Chaman Lal Thakur				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No. & Date #	5100004804	Dated#	27/02/2026		
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	11/03/2026				
Period of Analysis	11/03/2026 To 17/03/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DT Inlet				
Date of Sampling	10/03/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise)	-	-	-	-
1	Lday	dB(A)	Max 75	63.2	CPCB PROTOCOL July 2015.
	LNight	dB(A)	Max 70	54.3	CPCB PROTOCOL July 2015.

Opinion : N/A

Remarks : N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

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View of the stone crusher/aggregate processing unit completely enclosed with corrugated sheets and green dust-barrier netting to minimize fugitive dust emissions during operations.



Detailed view of the material conveyor system protected by extensive wind-breaking dust screens, preventing wind-borne displacement of crushed aggregates.

Annexure-D















Annexure-E

Annexure-E







स्वास्थ्य एवं परिवार कल्याण विभाग, हिमाचल प्रदेश
एकीकृत स्वास्थ्य जागरूकता अभियान (I)

निःशुल्क स्वास्थ्य जाँच शिविर

स्वास्थ्य जाँच शिविर में उपलब्ध सुविधाएँ

(1) उच्चरक्तचाप की जाँच	(5) एड्स/एड्स की जाँच
(2) हेमोग्लोबिन (Hb) की जाँच	(6) एड्स/एड्स की जाँच
(3) टीबी रक्त परीक्षण की जाँच	(7) यौन संक्रमित रोग (एसटीडी) की जाँच
(4) एचआईवी की जाँच	(8) गर्भकाल (एचएल) की जाँच

अनुमति
 संकेत
 द्वारा जारी

संयोजित द्वारा : लक्षित हस्तक्षेप परियोजना आशी रामपुर जिला शिमला (हि. प्र.)
 मो. नं. 91291-64164

संयोजित द्वारा : लक्षित हस्तक्षेप परियोजना आशी रामपुर जिला शिमला (हि. प्र.)
 मो. नं. 91291-64164

Annexure-F

Annexure-F





