

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-24/2025-46

दिनांक: 30/05/2025

सेवा में,
सदस्य सचिव,
नदी घाटी एवं जलविद्युत परियोजनाएँ,
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार,
इंदिरा पर्यावरण भवन, जोरबाग,
नई दिल्ली - 110003
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विषय: हिमाचल प्रदेश के लूहरी एचईपी, चरण-I (210 मेगावाट) में पर्यावरणीय परिस्थितियों की अनुपालना पर छमाही रिपोर्ट (अक्टूबर, 2024 से मार्च, 2025 की अवधि हेतु)।

संदर्भ: ईसी 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, 2024 से मार्च, 2025 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 किदवई नगर, नई दिल्ली-110023
दूरभाष : 011-61901919 फैक्स : 011-61901915

Corporate H.Q. : Shakti Sadan, Shanan,
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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, 2024 to March 31, 2025)

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-I (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

S.N.	Conditions	Status
Conditions imposed by the Ministry of Environment & Forests, GoI while granting environment clearance vide letter no. J-12011/18/2015-IA-I (R) Pt dated 17.03.2020		
i.	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.	Details supplied in Enclosure-1.
ii	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 regarding Corporate Environment Responsibility Project proponent shall require to invest amount of Rs. 866.5 lakhs towards the Upgradation of Educational Facilities (Rs13l 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>COMPLETED:</p> <ul style="list-style-type: none"> ● <u>INR 80.43 lakhs</u> 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: Nil</p> <p>Fundings 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>

S.N.	Conditions	Status
iii	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/EMP report, whichever value is higher, shall be released as environmental flow.	Shall be ensured
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> <p>Flax banners (single-use plastic) usage discouraged in Project (Refer. Circular issued in August 2024)</p>
vi	Wildlife Conservation plan for all Schedules I species shall be implemented with the approval of the Competent Authority.	Wildlife Conservation Plan (for INR 105 lakh) being worked out by HP Forest Department.
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.	Being ensured
viii	The Environmental Clearance is valid for a period of 10 years from the date of issue of this	Noted

S.N.	Conditions	Status
	letter for commissioning of the Project.	
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 29.03.2019 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

S.N.	Conditions	Status
iii	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).	The Site-Specific Conservation Plan & Wildlife Management Plan under scrutiny and being finalized by HP Forest Department.
iv	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.	Consent to Establish <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 for FY 2025-27 submitted on March 31, 2025
v	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.	<ul style="list-style-type: none"> ● Parameters approved during 31st Meeting of NCSDP on 23.06.2016 ● NOC granted on 07.10.2016
vi	Necessary approval of CEA shall be obtained as the Project cost is more than Rs.1,000 crore.	CEA (Gol) accorded concurrence on 01.05.2018

S.N.	Conditions	Status
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. Refer Enclosure-2 for reports by HPSPCB.
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.	Being ensured
iii	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites	Being ensured
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.	Shall be ensured
ii	As there would be fluctuation of water level during peaking period, efforts be made to	Shall be ensured

S.N.	Conditions	Status
	reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the Project	
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.	Being ensured
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

S.N.	Conditions	Status
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	
i	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.	<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. ● Refer Enclosure-1 for Muck details.
ii	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.	Being ensured.

S.N.	Conditions	Status
VII	Green Belt, EMP Cost, Fisheries and Wildlife Management	
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: <u>INR 105 lakhs</u> on 12.02.2021 ● UC: INR 39 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 102 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 1.27 lakhs (Cumulative - INR 209 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.	Being ensured
iv	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.	Being ensured through Contract provisions.

S.N.	Conditions	Status
v	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.	Workers are issued work permits upon medical checkup. Moreover, first aid unit and ambulance facility developed at the Project site.
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
iii	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	The SJVN has a well laid down environmental policy duly approved by the Board of Directors.

S.N.	Conditions	Status
	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.	
iv	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.	Environment Cell at Project and Corporate established.
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	Shall be ensured

S.N.	Conditions	Status
	commissioning of the project.	
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.
X	Miscellaneous	
i	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.	<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	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.	<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.

S.N.	Conditions	Status
iii	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.	Being ensured
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 Nov 19, 2024.
v	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 January 09, 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): Not yet declared.
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Being ensured

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
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	Shall abide the condition

S.N.	Conditions	Status
	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.	
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, GoI in environment clearance amendment vide letter no. J-12011/18/2015-IA-I (R) Pt dated 18.03.2021		
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
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	Being ensured

S.N.	Conditions	Status
	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.	
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 **Enclosure-3**.

S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
A	Cost of Management Plans	14860.57	INR 12239 lakhs (Out of this INR 7700.6 lakhs spent on Environmental measures, remaining is on R&R measures)
1	Catchment Area Treatment Plan	5668.34	<ul style="list-style-type: none"> • Executing Agency: HP Forest Dept. • Fund remitted: INR 5668 lakhs (on 29.11.2018) • UC ₹1192 lakhs (Cumulative INR 1860 lakhs)
2	Muck Management Plan	513.77	<p>Protection Measures:</p> <ul style="list-style-type: none"> • Executing Agency: M/s LHPC • INR 5.255 lakhs (<u>Cumulative INR 59.255 lakhs</u>) <p>Muck Details (with 45 % / 20% Swell Factor): Generated: 20.88 lakh m³ Utilized: 8.86 lakh m³ Dumped: 12.02 lakh m³</p>
3	Compensatory Afforestation and Biodiversity Management Plan	1408.06	<p>CA/NPV/Addl. CA/contingency charges/departmental charges/cost of trees:</p> <ul style="list-style-type: none"> • Executing Agency: HP Forest Dept. • Fund remitted: <u>INR 1461 lakhs</u> (on 29.11.2018) • UC ₹97.95 lakhs (Cumulative INR 102 lakhs) against CA.
4	Landscaping and Restoration *	80	<p>Protection works at site, staff camp, crusher site and labour colony:</p> <ul style="list-style-type: none"> • INR 1.087 lakhs (<u>Cumulative INR 84.787 lakhs</u>)
5	Management plan for Air, Water and Noise Environment	25	<p><i>Awareness:</i></p> <ul style="list-style-type: none"> • <u>INR NIL (Cumulative INR 0.04 lakhs).</u> <p><i>Others:</i> INR 9.65 lakhs (Cumulative INR 142.65 lakhs) Brief details as under:</p> <ul style="list-style-type: none"> • Water tanker (INR 1.9 lakhs) • PPE (INR 7.75 lakhs)
6	Labour, Energy Conservation Measures and Waste Management Plan	245	<p>For labour:</p> <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.

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

S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
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 lakhs.
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	<p>R&R plan approved on 04.01.2022 and 04.06.2022 for Kullu and Shimla districts, respectively.</p> <ul style="list-style-type: none"> INR 1 lakh disbursed in Kullu (<u>Cumulative - INR 1506 lakhs</u> disbursed against the approved INR 1500 lakhs) INR NIL disbursed in Shimla (<u>Cumulative - INR 2973 lakhs</u> disbursed against the approved INR 3292 lakhs) Resettlement of displaced families in progress. Payment of INR 60.34 lakhs remitted to SDM (Nirmand) for purchase of land.
11	Public Health Management Plan	185.4	<p>Ambulance, first aid boxes, medicines:</p> <ul style="list-style-type: none"> INR 7.28 lakhs (Cumulative INR 45.7 lakhs).
12	Environment Monitoring Plan	147.62	<p>Monitoring by HPSPCB as per their Monitoring plan:</p> <ul style="list-style-type: none"> INR 7.04 lakhs remitted (<u>Cumulative INR 43.04 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 (three years completed). INR 7.9 lakhs (Cumulative INR 21 lakhs against the awarded INR 29.7 lakhs) <p>SJVN Environment Laboratory:</p> <ul style="list-style-type: none"> INR 3.65 lakhs spent on chemicals, equipment, filter paper, etc. (Cumulative INR 22.27 lakhs) <p>M/s LHPC:</p> <ul style="list-style-type: none"> INR 0.42 lakhs spent on monitoring. (Cumulative INR 0.42 lakhs)

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

S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
B	Corporate Environmental Responsibility (CER)	866.5	INR 3.75 lakh funded (<u>Cumulative INR 104.82 lakhs</u>) . Details supplied at Serial No. ii of the Report.
	<i>Grand Total (A+B)</i>	<i>15727.07</i>	INR 12,344 lakhs

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



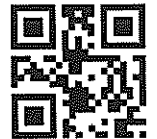
**H.P.STATE POLLUTION CONTROL BOARD
REPORT BY STATE BOARD ANALYST
(Stack/Ambient Air) Monitoring Report**

Report No: 15153194/A-16869**02/04/2025**

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

Point of collection: **Old Office Site, LHEP, Bithal**
Date of collection: **11/03/2025**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **25/03/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	21.78	microgram mes/m3	NA	NA



**Dr Rajender Kumar ,SO
RL Shimla**



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

Report No: 15153267/A-16868

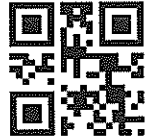
02/04/2025

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

Point of collection: Near Village Moin
Date of collection: 12/03/2025
Time of collection: 09:00
Collected by : Lokesh Kumar, JEE
Date of receipt: 25/03/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	45.27	microgram mes/m3	NA	NA

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Dr Rajender Kumar ,SO
RL Shimla



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

Report No: 15153135/A-16853

02/04/2025

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

Point of collection: Near Village Bithal
Date of collection: 11/03/2025
Time of collection: 09:00
Collected by : Lokesh Kumar, JEE
Date of receipt: 25/03/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	24.62	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO
RL Shimla**



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

Report No: 15153367/A-16866

02/04/2025

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

Point of collection: Dam/PH Site(left Bank of River Satluj)
Date of collection: 13/03/2025
Time of collection: 09:00
Collected by : Lokesh Kumar, JEE
Date of receipt: 25/03/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	150.00	microgram mes/m3	NA	NA



**Dr Rajender Kumar ,SO
RL Shimla**



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

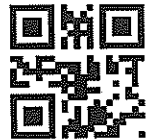
Report No: 15153412/A-16865

02/04/2025

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

Point of collection: Near Village Nirath
Date of collection: 13/03/2025
Time of collection: 09:30
Collected by : Lokesh Kumar, JEE
Date of receipt: 25/03/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	16.48	microgram mes/m3	NA	NA



**Dr Rajender Kumar , SO
RL Shimla**



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

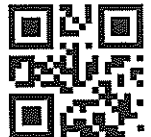
Report No: 15153313/A-16867

02/04/2025

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

Point of collection: Dam/PH Site(Right Bank of River Satluj)
Date of collection: 12/03/2025
Time of collection: 09:30
Collected by : Lokesh Kumar, JEE
Date of receipt: 25/03/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	315.15	microgram mes/m3	NA	NA



**Dr Rajender Kumar , SO
RL Shimla**



H.P.STATE POLLUTION CONTROL BOARD

Office: VPO & Tehsil Rampur Bushahr, Distt. Shimla, Pin-172001 (H.P.)

Noise Monitoring Report (EMP)

Name and address of Industry:- M/s Luhri Hydro Electric Project, SJVNL, 210 MW, Nirath, Distt. Shimla H.P.

Equipment details : Casella CEL-62X

Sr.No.	Date of Sampling	Sampling Location	Level in Leq(db)	Permissible limit in dB	Remarks
1	12.03.2025	Dam/PH Site (Right Bank)	65.8	75	Within Limit
2	12.03.2025	Office Site (Near Baba Balak Nath Temple)	61.1	65	Within Limit
3	12.03.2025	Near Batching Plant (right bank)	66	75	Within Limit
4	12.03.2025	Narola Village	55.9	55	Above limit
5	12.03.2025	Nirath Village	51.3	55	Within Limit
6	12.03.2025	Moin Village	54.8	55	Within Limit

(Monitored by)

(Checked by)

No. PCB/RMP/Luhri HEP St.-1/

1434

Dated:-

24/3/2025

Copy to:- M/s Luhri HEP Stage-1, Administrative Building, LHEP-I, Village Bayal, PO Koyal, Tehsil Nirmand, Distt Kullu H.P. for your kind information and necessary action, please.

24/03/25

(Er. Anju Negi)

Regional Officer, HPSPCB Rampur,



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

Report No: **14568073/W-16125**

13/02/2025

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: **24/01/2025**
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	7.97		NA	NA
3	DO	9.1	mg/L	NA	NA
4	Nitrate-N	0.97	mg/L	NA	NA
5	Nitrite-N	BDL		NA	NA
6	Ammonical Nitrogen	BDL		NA	NA
7	Sulphate	19.92	mg/L	NA	NA
8	Ca ⁺⁺	35.67	mg/L	NA	NA
9	TSS	6.0	mg/L	NA	NA
10	Sodium	4.63	mg/L	NA	NA
11	Fluoride	BDL		NA	NA
12	TDS	127.0	mg/L	NA	NA
13	Potassium	4.76	mg/L	NA	NA
14	Boron	BDL		NA	NA
15	Total Phosphate	BDL	mg/L	NA	NA
16	Conductivity	202.4	microsiemen s/cm	NA	NA
17	Fecal Coliform	LESS THAN 1.8	MPN/100ml	NA	NA
18	BOD	BDL		NA	NA
19	Turbidity	1.2	NTU	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: **14568075/W-16120**

13/02/2025

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: **24/01/2025**

Description of sample: **River Satluj after 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	7.91		NA	NA
3	Conductivity	183.8	microsiemen s/cm	NA	NA
4	DO	9.2	mg/L	NA	NA
5	Fecal Coliform	220.0	MPN/100ml	NA	NA
6	BOD	BDL		NA	NA
7	Turbidity	1.1	NTU	NA	NA
8	Nitrate-N	0.47	mg/L	NA	NA
9	Nitrite-N	0.03	mg/L	NA	NA
10	Ammonical Nitrogen	BDL		NA	NA
11	Sulphate	42.77	mg/L	NA	NA
12	Ca++	30.06	mg/L	NA	NA
13	TSS	10.0	mg/L	NA	NA
14	Sodium	8.78	mg/L	NA	NA
15	Fluoride	0.22	mg/L	NA	NA
16	TDS	118.0	mg/L	NA	NA
17	Potassium	3.22	mg/L	NA	NA
18	Boron	BDL		NA	NA
19	Total Phosphate	BDL	mg/L	NA	NA

**Dr Rajender Kumar ,SO
RL Shimla**



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

Report No: 14568071/W-16126

13/02/2025

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

Sample received on: 24/01/2025

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	Boron	BDL		NA	NA
2	pH	8.04		NA	NA
3	Conductivity	183.1	microsiemen s/cm	NA	NA
4	Nitrate-N	0.49	mg/L	NA	NA
5	Nitrite-N	0.02	mg/L	NA	NA
6	Ammonical Nitrogen	BDL		NA	NA
7	Sulphate	45.73	mg/L	NA	NA
8	Ca ⁺⁺	28.85	mg/L	NA	NA
9	TSS	9.0	mg/L	NA	NA
10	Sodium	8.66	mg/L	NA	NA
11	Fluoride	0.24	mg/L	NA	NA
12	TDS	125.0	mg/L	NA	NA
13	Potassium	3.16	mg/L	NA	NA
14	COD	4.0	mg/L	NA	NA
15	Total Phosphate	BDL	mg/L	NA	NA
16	DO	9.3	mg/L	NA	NA
17	Fecal Coliform	33.0	MPN/100ml	NA	NA
18	BOD	BDL		NA	NA
19	Turbidity	1.4	NTU	NA	NA

Dr Rajender Kumar ,SO
RL Shimla



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

Report No: 14568053/W-16129

13/02/2025

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: 24/01/2025
Description of sample: River Satluj u/s Dam of Luhri HEP

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	4.4	mg/L	NA	NA
2	Total Phosphate	BDL	mg/L	NA	NA
3	pH	7.71		NA	NA
4	Conductivity	170.0	microsiemen s/cm	NA	NA
5	DO	9.2	mg/L	NA	NA
6	Fecal Coliform	47.0	MPN/100ml	NA	NA
7	BOD	BDL		NA	NA
8	Turbidity	1.2	NTU	NA	NA
9	Nitrate-N	0.52	mg/L	NA	NA
10	Nitrite-N	0.01	mg/L	NA	NA
11	Ammonical Nitrogen	BDL		NA	NA
12	Sulphate	45.23	mg/L	NA	NA
13	Ca ⁺⁺	27.25	mg/L	NA	NA
14	TSS	5.0	mg/L	NA	NA
15	Sodium	8.44	mg/L	NA	NA
16	Fluoride	0.24	mg/L	NA	NA
17	TDS	111.0	mg/L	NA	NA
18	Potassium	3.07	mg/L	NA	NA
19	Boron	BDL		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: **14568065/W-16133**

13/02/2025

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: **24/01/2025**
Description of sample: **Handpump Nirath**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	7.95		NA	NA
2	Conductivity	203.3	microsiemen s/cm	NA	NA
3	DO	Not Reported	mg/L	NA	NA
4	BOD	BDL		NA	NA
5	Nitrite-N	BDL		NA	NA
6	Turbidity	1.3	NTU	NA	NA
7	COD	BDL	mg/L	NA	NA
8	Total Phosphate	BDL	mg/L	NA	NA
9	Ammonical Nitrogen	BDL		NA	NA
10	Sulphate	22.88	mg/L	NA	NA
11	Ca ⁺⁺	34.46	mg/L	NA	NA
12	Sodium	4.82	mg/L	NA	NA
13	Fluoride	BDL		NA	NA
14	TDS	135.0	mg/L	NA	NA
15	Potassium	4.86	mg/L	NA	NA
16	Boron	BDL		NA	NA
17	Fecal Coliform	LESS THAN 1.8	MPN/100ml	NA	NA
18	Nitrate-N	0.99	mg/L	NA	NA
19	TSS	14.0	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: 14568063/W-16132

13/02/2025

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

Sample received on: 24/01/2025
Description of sample: River Satluj TRT of Luhri HEP

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	7.61		NA	NA
2	Conductivity	177.7	microsiemen s/cm	NA	NA
3	DO	9.2	mg/L	NA	NA
4	Fecal Coliform	220.0	MPN/100ml	NA	NA
5	BOD	BDL		NA	NA
6	Turbidity	1.3	NTU	NA	NA
7	Nitrate-N	0.54	mg/L	NA	NA
8	Nitrite-N	0.01	mg/L	NA	NA
9	Ammonical Nitrogen	BDL		NA	NA
10	Sulphate	45.23	mg/L	NA	NA
11	TSS	6.0	mg/L	NA	NA
12	Sodium	8.50	mg/L	NA	NA
13	Fluoride	0.25	mg/L	NA	NA
14	TDS	112.0	mg/L	NA	NA
15	Potassium	2.98	mg/L	NA	NA
16	Ca ⁺⁺	27.65	mg/L	NA	NA
17	Boron	BDL		NA	NA
18	COD	4.0	mg/L	NA	NA
19	Total Phosphate	BDL	mg/L	NA	NA

Dr Rajender Kumar ,SO
RL Shimla

Received from
Ommms portal



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

Report No: 14354806/A-15563

04/01/2025

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt. Shimla Rampur, H.P.172030

Point of collection: Near Village Moin
Date of collection: 19/12/2024
Time of collection: 09:30
Collected by : Lokesh Kumar, JEE
Date of receipt: 30/12/2024

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	23.30	microgrammes/m ³	NA	NA

f. n. k.
8/12/25
SM (env)



Dr Rajender Kumar , SO
RL Shimla

JE- Enclose surpassing
results for PIS!

Jan 08, 2025



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

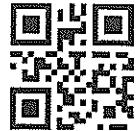
Report No: 14354781/A-15561

04/01/2025

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumharsain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Point of collection: **Nirath Village**
Date of collection: **18/12/2024**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **30/12/2024**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	130.11	microgrammes/m ³	NA	NA



Dr Rajender Kumar , SO
RL Shimla



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

Report No: 14354795/A-15559

04/01/2025

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Point of collection: Near Dam Site (right bank of R. Satluj)

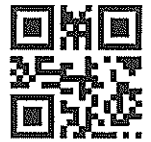
Date of collection: 19/12/2024

Time of collection: 09:00

Collected by : Lokesh Kumar, JEE

Date of receipt: 30/12/2024

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	34.28	microgrammes/m ³	NA	NA



**Dr Rajender Kumar ,SO
RL Shimla**



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

Report No: 14354786/A-15560

04/01/2025

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Point of collection: Near Work Colony (left bank of R. Satluj)
Date of collection: 18/12/2024
Time of collection: 09:30
Collected by : Lokesh Kumar, JEE
Date of receipt: 30/12/2024

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	50.38	microgrammes/m ³	NA	NA



Dr Rajender Kumar , SO
RL Shimla



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

Report No: 14354779/A-15562

04/01/2025

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt. Shimla Rampur, H.P. 172030

Point of collection: Guest House Bithal Village

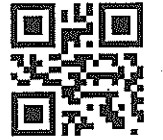
Date of collection: 17/12/2024

Time of collection: 09:30

Collected by : Lokesh Kumar, JEE

Date of receipt: 30/12/2024

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	73.30	microgrammes/m ³	NA	NA



**Dr Rajender Kumar , SO
RL Shimla**



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

Report No: 14354777/A-15564

04/01/2025

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt. Shimla Rampur, H.P.172030

Point of collection: Near Bithal Village
Date of collection: 17/12/2024
Time of collection: 09:00
Collected by : Lokesh Kumar, JEE
Date of receipt: 30/12/2024

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	57.58	microgrammes/m ³	NA	NA



Dr Rajender Kumar , SO
RL Shimla



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

Report No: 13957766/W-15118

28/11/2024

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Sample received on: 26/10/2024

Description of sample: Handpump Nirath

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	TSS	BDL		NA	NA
2	pH	8.07		NA	NA
3	Conductivity	118.9	microsiemens/cm	NA	NA
4	DO	Not Reported		NA	NA
5	BOD	BDL	mg/L	NA	NA
6	COD	BDL	mg/L	NA	NA
7	Total Phosphate	BDL	mg/L	NA	NA
8	Nitrate-N	0.69	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Ammonical Nitrogen	BDL	mg/L	NA	NA
11	Sulphate	21.52	mg/L	NA	NA
12	Sodium	4.26	mg/L	NA	NA
13	Fluoride	BDL		NA	NA
14	TDS	74.0	mg/L	NA	NA
15	Potassium	1.07	mg/L	NA	NA
16	Boron	BDL		NA	NA
17	Ca ⁺⁺	15.23	mg/L	NA	NA
18	Fecal Coliform	12.0	MPN/100ml	NA	NA
19	Turbidity	2.2	NTU	NA	NA

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

Report No: 13957701/W-15119

28/11/2024

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Sample received on: 26/10/2024

Description of sample: River Satluj U/s Dam of Luhri HEP

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	0.39	mg/L	NA	NA
2	Nitrite-N	0.03	mg/L	NA	NA
3	TSS	BDL		NA	NA
4	pH	7.68		NA	NA
5	Conductivity	130.3	microsiemens/cm	NA	NA
6	DO	9.1	mg/L	NA	NA
7	BOD	BDL		NA	NA
8	Sulphate	17.28	mg/L	NA	NA
9	Sodium	5.64	mg/L	NA	NA
10	Fluoride	0.25	mg/L	NA	NA
11	TDS	81.0	mg/L	NA	NA
12	Potassium	1.57	mg/L	NA	NA
13	Turbidity	2.2	NTU	NA	NA
14	Total Phosphate	BDL	mg/L	NA	NA
15	Ammonical Nitrogen	BDL	mg/L	NA	NA
16	Ca ⁺⁺	18.03	mg/L	NA	NA
17	Boron	BDL	mg/L	NA	NA
18	COD	4.8	mg/L	NA	NA
19	Fecal Coliform	21.0	MPN/100ml	NA	NA

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

Report No: 13957829/W-15117

28/11/2024

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Sample received on: 26/10/2024
Description of sample: Bhera Khad

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	9.2	mg/L	NA	NA
2	Total Phosphate	BDL	mg/L	NA	NA
3	Nitrate-N	0.29	mg/L	NA	NA
4	Nitrite-N	BDL	mg/L	NA	NA
5	Sulphate	BDL		NA	NA
6	Ca ⁺⁺	21.24	mg/L	NA	NA
7	Sodium	4.83	mg/L	NA	NA
8	Fluoride	BDL		NA	NA
9	TDS	84.0	mg/L	NA	NA
10	Potassium	1.04	mg/L	NA	NA
11	Boron	BDL		NA	NA
12	pH	8.02		NA	NA
13	Conductivity	170.2	microsiemen s/cm	NA	NA
14	DO	9.6	mg/L	NA	NA
15	BOD	BDL		NA	NA
16	Turbidity	3.2	NTU	NA	NA
17	Ammonical Nitrogen	BDL	mg/L	NA	NA
18	TSS	8.0	mg/L	NA	NA
19	Fecal Coliform	32.0	MPN/100ml	NA	NA

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

Report No: 13957794/W-15120

28/11/2024

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Sample received on: 26/10/2024

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	Nitrate-N	0.40	mg/L	NA	NA
2	TSS	7.0	mg/L	NA	NA
3	Sodium	5.59	mg/L	NA	NA
4	Fluoride	0.26	mg/L	NA	NA
5	pH	7.80		NA	NA
6	Ammonical Nitrogen	BDL	mg/L	NA	NA
7	Sulphate	19.11	mg/L	NA	NA
8	Ca++	19.23	mg/L	NA	NA
9	Potassium	1.52	mg/L	NA	NA
10	Boron	BDL		NA	NA
11	COD	6.8	mg/L	NA	NA
12	Total Phosphate	BDL	mg/L	NA	NA
13	Nitrite-N	BDL	mg/L	NA	NA
14	TDS	73.0	mg/L	NA	NA
15	Conductivity	136.1	microsiemens/cm	NA	NA
16	DO	9.0	mg/L	NA	NA
17	Fecal Coliform	70.0	MPN/100ml	NA	NA
18	BOD	BDL		NA	NA
19	Turbidity	2.4	NTU	NA	NA

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

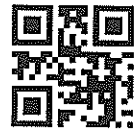
Report No: 13957766/W-15118

28/11/2024

ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Sample received on: 26/10/2024
Description of sample: Handpump Nirath

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	TSS	BDL		NA	NA
2	pH	8.07		NA	NA
3	Conductivity	118.9	microsiemen s/cm	NA	NA
4	DO	Not Reported		NA	NA
5	BOD	BDL	mg/L	NA	NA
6	COD	BDL	mg/L	NA	NA
7	Total Phosphate	BDL	mg/L	NA	NA
8	Nitrate-N	0.69	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Ammonical Nitrogen	BDL	mg/L	NA	NA
11	Sulphate	21.52	mg/L	NA	NA
12	Sodium	4.26	mg/L	NA	NA
13	Fluoride	BDL		NA	NA
14	TDS	74.0	mg/L	NA	NA
15	Potassium	1.07	mg/L	NA	NA
16	Boron	BDL		NA	NA
17	Ca ⁺⁺	15.23	mg/L	NA	NA
18	Fecal Coliform	12.0	MPN/100ml	NA	NA
19	Turbidity	2.2	NTU	NA	NA





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

Report No: 13957701/W-15119

28/11/2024

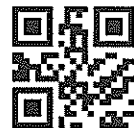
ISSUED TO: LUHRI HEP Stage I
Village Bithal P.O .Samathala, Tehsil Kumhersain, District Shimla, Kumarsain
Distt.Shimla Rampur, H.P.172030

Sample received on: 26/10/2024

Description of sample: River Satluj U/s Dam of Luhri HEP

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	0.39	mg/L	NA	NA
2	Nitrite-N	0.03	mg/L	NA	NA
3	TSS	BDL		NA	NA
4	pH	7.68		NA	NA
5	Conductivity	130.3	microsiemen s/cm	NA	NA
6	DO	9.1	mg/L	NA	NA
7	BOD	BDL		NA	NA
8	Sulphate	17.28	mg/L	NA	NA
9	Sodium	5.64	mg/L	NA	NA
10	Fluoride	0.25	mg/L	NA	NA
11	TDS	81.0	mg/L	NA	NA
12	Potassium	1.57	mg/L	NA	NA
13	Turbidity	2.2	NTU	NA	NA
14	Total Phosphate	BDL	mg/L	NA	NA
15	Ammonical Nitrogen	BDL	mg/L	NA	NA
16	Ca ⁺⁺	18.03	mg/L	NA	NA
17	Boron	BDL	mg/L	NA	NA
18	COD	4.8	mg/L	NA	NA
19	Fecal Coliform	21.0	MPN/100ml	NA	NA

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Picture-1. Water Tanker sprinkling water on site.

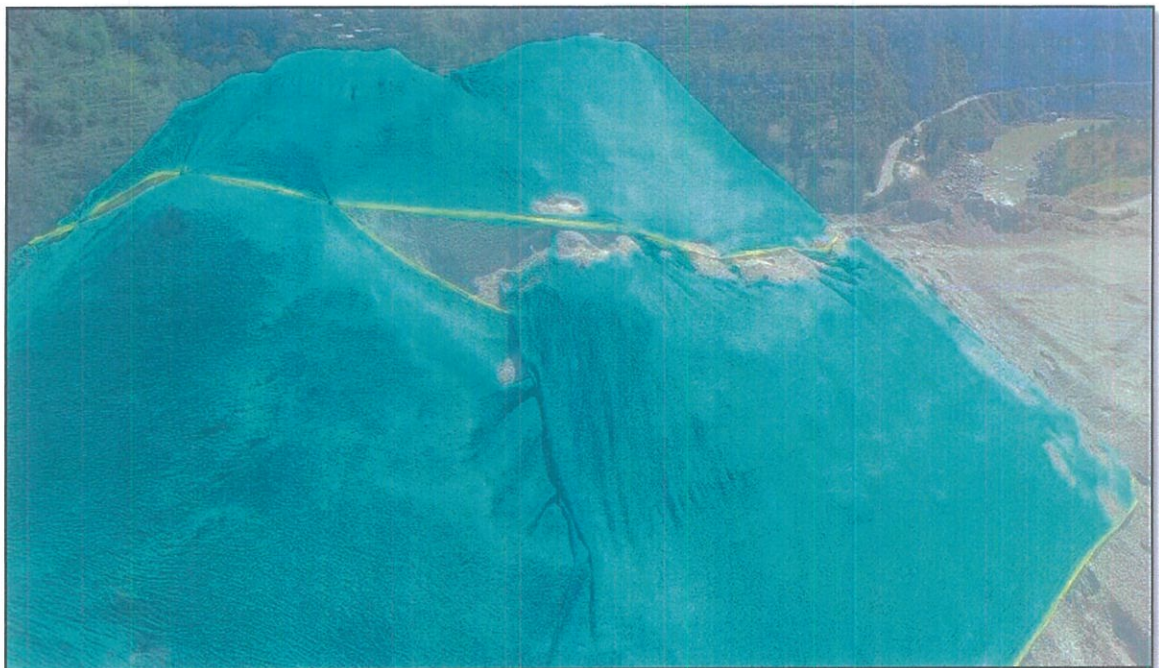


Picture-2. Water Tanker sprinkling water in Moin Road.

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Picture-3. Water sprinkler being used at Crusher Plant.



Picture-4. Crushed material covered at stockyard.

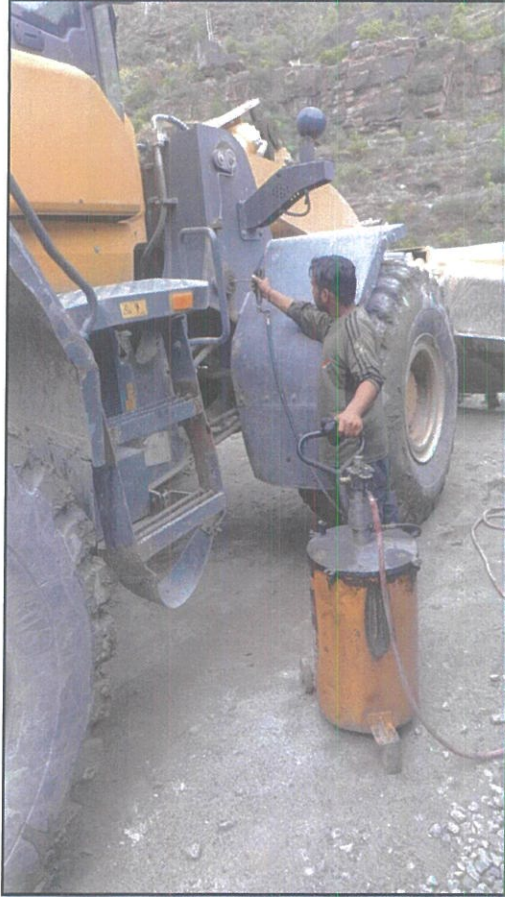
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Picture-5. Dumper covered with net to avoid dust emission.



Picture-6. Crusher parts properly covered to prevent dust emission.



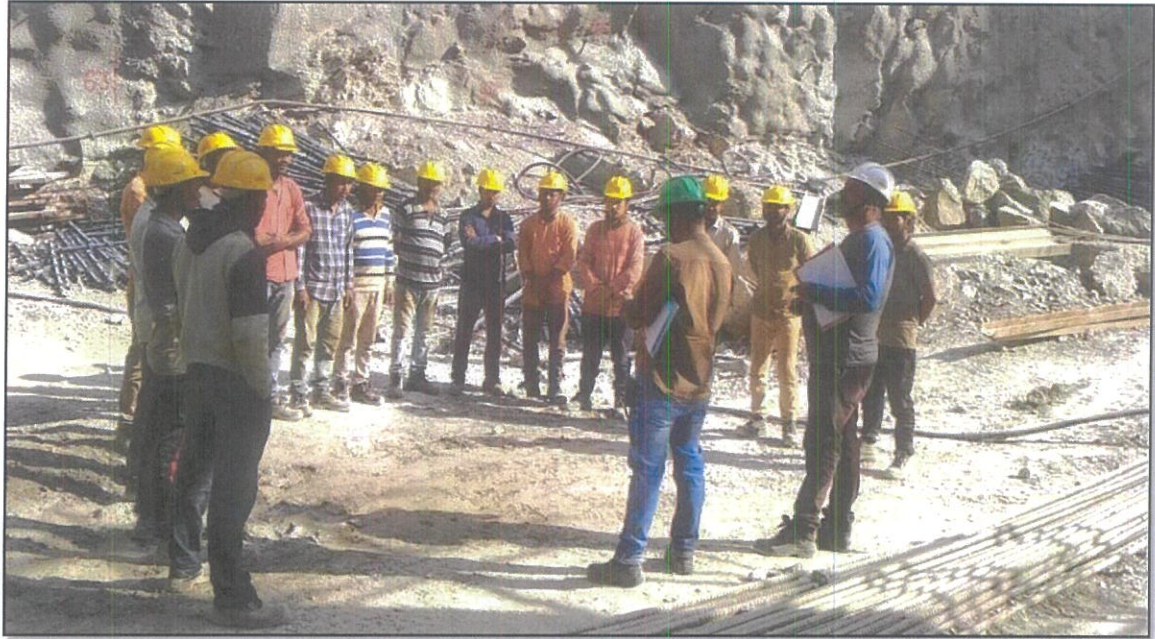
Picture-7. Regular maintenance of machinery at site.



Picture-8. Regular servicing of machinery at site.



Picture-9. Seminar conducted regarding Road Safety.



Picture-10. Tool Box Talk at site.

Water sprinkling at work site & NH 05.



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Protection Work at Dumping Sites.



K. K. Chama

Medical Camp at Project Site.



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Crusher Plant properly covered to prevent dust emission.



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Dumper covered with net to avoid dust emission & Water sprinkling at Dumping yard.



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