

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-24/2026/191

दिनांक: 23/02/2026

सेवा में,
सदस्य सचिव,
नदी घाटी एवं जलविद्युत परियोजनाएँ,
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार,
इंदिरा पर्यावरण भवन, जोरबाग,
नई दिल्ली - 110003
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विषय: हिमाचल प्रदेश के लूहरी एचईपी, चरण-I (210 मेगावाट) में पर्यावरणीय स्वीकृति की शर्तों की अनुपालना पर छमाही रिपोर्ट (अप्रैल, 2025 से सितंबर, 2025 तक 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 पर्यावरणीय स्वीकृति का संदर्भ लें, 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 (अप्रैल, 2025 से सितंबर, 2025 तक की अवधि हेतु) आपके सूचनार्थ सादर प्रस्तुत की जा रही है।

संलग्नक: यथोपरि।

सधन्यवाद,

**भवदीय,
एसजेवीएन लिमिटेड के लिए,**

23/02/26

(महाप्रबंधक)

निगमित पर्यावरण

कारपोरेट मुख्यालय : शक्ति सदन, शनान,
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,
Shimla-171006, (H.P.) www.sjvn.nic.in
Tele : 0177-2660003/4/5/6, Fax : 0177-2660001
Liaison Office : Office Block, Tower-1, 6th Floor,
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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: April 01, 2025 to September 30, 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, Shanani, Shimla, HP, PIN 171006 Contact No. 0177-2660180

S.N.	Conditions	Status
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		
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 89.02 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> <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.	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) ● Application for RCTE for FY 2025-27 submitted on March 31, 2025(Under process)
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 (GoI) 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 and M/s LHPC. 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

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.	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: 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

S.N.	Conditions	Status
		<ul style="list-style-type: none"> • Executing Agency: HP Forest Department • UC: INR 61 lakhs (Cumulative INR 163 lakhs)
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 345 lakhs (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.	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	Being ensured through Contract provisions.

S.N.	Conditions	Status
	the completion of the project.	
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. Long-term and short-term skill development training programs have been conducted for the youths of Project Affected Areas.
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	The SJVN has a well laid down environmental policy duly approved by the Board of Directors.

S.N.	Conditions	Status
	<p>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>	
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>
v	<p>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.</p>	<p>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.</p>
vi	<p>Post EIA and SIA be prepared for the Project</p>	<p>Shall be ensured</p>

S.N.	Conditions	Status
	through a third party and evaluation report be submitted to the Ministry after five years of 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. 1st MDC conducted on June 17, 2025, monitoring report is attached as Enclosure-3.
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	<ul style="list-style-type: none"> ● EC has been shared with concerned Gram Pradhans, Chairperson BDCs & Chairperson Zila Parishad on 23.03.2020.

S.N.	Conditions	Status
	receipt.	<ul style="list-style-type: none"> • 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	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 May 31, 2025.
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 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.

S.N.	Conditions	Status
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Being ensured
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	Being ensured

S.N.	Conditions	Status
	extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data information/monitoring reports.	
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, 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	Being ensured

S.N.	Conditions	Status
	supervising this activity during operation & maintenance stage of the project.	
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
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-4**.

Enclosure-1

S.N.	Management Plans/ Aspects	Cost in Lakh (INR)	Implementing status
A	Cost of Management Plans	14860.57	INR 12354.76 lakhs (Out of this INR 7710.42 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) • <u>UC: 259 lakhs (Cumulative INR 2119 lakh)</u>
2	Muck Management Plan	513.77	<p>Protection Measures:</p> <ul style="list-style-type: none"> • Executing Agency: M/s LHPC • INR Zero (<u>Cumulative INR 59.255 lakhs</u>) <p>Muck Details (with 45 %/20% Swell Factor): Generated: 21.03 lakh m³ Utilized: 9.01 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) • <u>UC 61 lakh (Cumulative INR 163 lakh) against CA</u>
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 Zero lakhs (<u>Cumulative INR 84.787 lakhs</u>).
5	Management plan for Air, Water and Noise Environment	25	<p>Awareness: <u>Cumulative INR 0.04 lakhs.</u></p> <p>Others: INR 1.89 lakhs (<u>Cumulative INR 144.54 lakhs</u>). Brief details as under: <ul style="list-style-type: none"> • PPE (INR 1.89 lakhs) </p>

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

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: INR 105 lakhs • 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 NIL disbursed in Kullu (<u>Cumulative - INR 1506 lakhs</u> disbursed against the approved INR 1500 lakhs) • INR 105 lakhs disbursed in Shimla (<u>Cumulative - INR 3078 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 7.16 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 Zero lakhs remitted (Cumulative INR 43.04 lakhs) 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 Zero lakhs (<u>Cumulative INR 21 lakhs</u> against the awarded INR 29.7 lakhs) <p>SJVN Laboratory:</p> <ul style="list-style-type: none"> • INR 0.76 lakhs spent on chemicals, equipment, filter paper, etc. (<u>Cumulative INR 23.03 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>)

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 Zero lakh funded (Cumulative INR 113.42 lakhs). Details supplied at Serial No. ii of the Report.
	<i>Grand Total (A+B)</i>	15727.07	12,468.18 lakhs

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



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

Report No: 15598832/W-17646

13/05/2025

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: **26/04/2025**
Description of sample: **R. Satluj after conf. with Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.53	-	NA	NA
2	Conductivity	236.7	microsiemens/cm	NA	NA
3	DO	9.0	mg/L	NA	NA
4	Fecal Coliform	17.0	MPN/100ml	NA	NA
5	Turbidity	1.2	NTU	NA	NA
6	COD	BDL	mg/L	NA	NA
7	Nitrate-N	0.86	mg/L	NA	NA
8	Nitrite-N	BDL	mg/L	NA	NA
9	Ammonical Nitrogen	BDL	mg/L	NA	NA
10	TSS	47.0	mg/L	NA	NA
11	Sodium	1.50	mg/L	NA	NA
12	Fluoride	0.23	mg/L	NA	NA
13	TDS	145.0	mg/L	NA	NA
14	Potassium	2.29	mg/L	NA	NA
15	Boron	BDL	-	NA	NA
16	Sulphate	29.31	mg/L	NA	NA
17	Ca ⁺⁺	18.83	mg/L	NA	NA
18	BOD	BDL	-	NA	NA

Dr Rajender Kumar , SO
RL Shimla

HPOCMMS REPORT



Report Title:
 Report Date:
 Report Time:
 Report User:
 Report Location:
 Report Period:
 Report Interval:
 Report Format:
 Report Options:

Item	Code	Description	Unit	Quantity	Price	Total
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Report generated on:
 Report Date:
 Report Time:
 Report User:
 Report Location:
 Report Period:
 Report Interval:
 Report Format:
 Report Options:



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

Report No: 15598877/W-17640

13/05/2025

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: 26/04/2025
Description of sample: Bhera Khad

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.22	-	NA	NA
2	COD	8.4	mg/L	NA	NA
3	Nitrate-N	0.83	mg/L	NA	NA
4	Nitrite-N	BDL	mg/L	NA	NA
5	Ammonical Nitrogen	BDL	mg/L	NA	NA
6	TSS	36.0	mg/L	NA	NA
7	Sodium	1.34	mg/L	NA	NA
8	Fluoride	BDL	-	NA	NA
9	Sulphate	11.30	mg/L	NA	NA
10	Ca ⁺⁺	17.23	mg/L	NA	NA
11	TDS	79.0	mg/L	NA	NA
12	Potassium	2.20	mg/L	NA	NA
13	Boron	BDL	-	NA	NA
14	Conductivity	121.3	microsiemens/cm	NA	NA
15	DO	9.7	mg/L	NA	NA
16	Fecal Coliform	12.0	MPN/100ml	NA	NA
17	BOD	BDL	-	NA	NA
18	Turbidity	1.3	NTU	NA	NA

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

Report No: 15598944/W-17652

13/05/2025

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: 26/04/2025
Description of sample: R. Satluj D/s Dam before conf. with Bhera

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.14	-	NA	NA
2	Conductivity	156.6	microsiemens/cm	NA	NA
3	DO	9.1	mg/L	NA	NA
4	Fecal Coliform	33.0	MPN/100ml	NA	NA
5	BOD	BDL	-	NA	NA
6	Turbidity	1.6	NTU	NA	NA
7	COD	BDL	mg/L	NA	NA
8	Nitrate-N	0.81	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Ammonical Nitrogen	BDL	mg/L	NA	NA
11	TSS	38.0	mg/L	NA	NA
12	Sodium	1.92	mg/L	NA	NA
13	Fluoride	BDL	-	NA	NA
14	TDS	96.0	mg/L	NA	NA
15	Potassium	2.39	mg/L	NA	NA
16	Boron	BDL	-	NA	NA
17	Sulphate	30.57	mg/L	NA	NA
18	Ca++	24.84	mg/L	NA	NA

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RL Shimla

STATE OF TEXAS
DEPARTMENT OF HEALTH SERVICES



STATE OF TEXAS
DEPARTMENT OF HEALTH SERVICES
HEALTH CARE SERVICES DIVISION
HEALTH CARE LICENSING DIVISION
1501 WEST WASHINGTON AVENUE
AUSTIN, TEXAS 78701
TEL: 512.777.7000
WWW.DHS.TX.GOV

Licensee Name	License Number	License Type	Expiration Date	Status
John Doe	12345	Physician	12/31/2024	Active
Jane Smith	67890	Nurse Practitioner	06/30/2025	Active
Robert Johnson	11111	Physician Assistant	03/31/2024	Active
Mary White	22222	Registered Nurse	09/30/2024	Active
David Brown	33333	Pharmacist	01/31/2025	Active
Sarah Green	44444	Physical Therapist	08/31/2024	Active
Michael Black	55555	Speech-Language Pathologist	04/30/2025	Active
Emily Red	66666	Occupational Therapist	07/31/2024	Active
James Blue	77777	Podiatrist	11/30/2024	Active
Amanda Yellow	88888	Chiropractor	05/31/2025	Active
Christopher Purple	99999	Massage Therapist	10/31/2024	Active

Page 2 of 2



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

Report No: 15598983/W-17638

13/05/2025

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: **26/04/2025**
Description of sample: **Hand Pump Nirath**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.25	-	NA	NA
2	Conductivity	229.8	microsiemens/cm	NA	NA
3	DO	NR	-	NA	NA
4	Nitrate-N	0.85	mg/L	NA	NA
5	TSS	5.0	mg/L	NA	NA
6	COD	BDL	mg/L	NA	NA
7	Ammonical Nitrogen	BDL	mg/L	NA	NA
8	Sodium	3.86	mg/L	NA	NA
9	Fluoride	BDL	-	NA	NA
10	TDS	131.0	mg/L	NA	NA
11	Potassium	5.29	mg/L	NA	NA
12	Boron	BDL	-	NA	NA
13	Sulphate	27.31	mg/L	NA	NA
14	Ca ⁺⁺	25.25	mg/L	NA	NA
15	Fecal Coliform	33.0	MPN/100ml	NA	NA
16	BOD	BDL	-	NA	NA
17	Turbidity	1.7	NTU	NA	NA
18	Nitrite-N	BDL	mg/L	NA	NA

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

Report No: 15599037/W-17647

13/05/2025

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: **26/04/2025**
Description of sample: **River Satluj TRT of Luhri HEP**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	DO	9.0	mg/L	NA	NA
2	COD	BDL	mg/L	NA	NA
3	Nitrate-N	0.76	mg/L	NA	NA
4	Nitrite-N	BDL	mg/L	NA	NA
5	Ammonical Nitrogen	BDL	mg/L	NA	NA
6	TSS	39.0	mg/L	NA	NA
7	Sodium	2.32	mg/L	NA	NA
8	Fluoride	BDL	-	NA	NA
9	TDS	109.0	mg/L	NA	NA
10	Potassium	2.90	mg/L	NA	NA
11	Boron	BDL	-	NA	NA
12	Sulphate	30.09	mg/L	NA	NA
13	Ca ⁺⁺	24.04	mg/L	NA	NA
14	pH	8.14	-	NA	NA
15	Conductivity	179.4	microsiemens/cm	NA	NA
16	Fecal Coliform	6.8	MPN/100ml	NA	NA
17	BOD	BDL	-	NA	NA
18	Turbidity	1.5	NTU	NA	NA

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Account Number	Account Name	City	State	Zip	Phone
101	ABC	ABC	CA	90001	555-1234
102	DEF	DEF	TX	75001	555-5678
103	GHI	GHI	FL	33001	555-9012
104	JKL	JKL	NY	10001	555-3456
105	MNO	MNO	WA	98001	555-7890
106	PQR	PQR	IL	60001	555-2345
107	STU	STU	OH	43001	555-6789
108	VWX	VWX	GA	30001	555-0123
109	YZA	YZA	NC	27001	555-4567
110	BCD	BCD	SC	29001	555-8901
111	EFG	EFG	VA	22001	555-2345
112	HIJ	HIJ	MD	21001	555-6789
113	KLM	KLM	DE	19001	555-0123
114	NOP	NOP	PA	15001	555-4567
115	QRS	QRS	WV	26001	555-8901
116	TUV	TUV	MT	59001	555-2345
117	WXY	WXY	ND	58001	555-6789
118	ZAB	ZAB	SD	57001	555-0123
119	BCD	BCD	NE	68001	555-4567
120	EFG	EFG	KS	66001	555-8901



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

Report No: 15599082/W-17648

13/05/2025

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: **26/04/2025**
Description of sample: **River Satluj U/s Dam Luhri HEP**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	8.41	-	NA	NA
2	Conductivity	336.4	microsiemens/cm	NA	NA
3	DO	9.0	mg/L	NA	NA
4	Fecal Coliform	20.0	MPN/100ml	NA	NA
5	BOD	BDL	-	NA	NA
6	Turbidity	1.4	NTU	NA	NA
7	COD	5.2	mg/L	NA	NA
8	Nitrate-N	0.62	mg/L	NA	NA
9	Nitrite-N	BDL	mg/L	NA	NA
10	Ammonical Nitrogen	BDL	mg/L	NA	NA
11	TSS	31.0	mg/L	NA	NA
12	Sodium	9.06	mg/L	NA	NA
13	Fluoride	0.24	mg/L	NA	NA
14	TDS	208.0	mg/L	NA	NA
15	Potassium	11.86	mg/L	NA	NA
16	Boron	BDL	-	NA	NA
17	Sulphate	44.04	mg/L	NA	NA
18	Ca++	38.07	mg/L	NA	NA

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

Report No: 16158685/A-18358

30/06/2025

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: **13/06/2025**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **23/06/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	60.04	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: 16158708/A-18354

30/06/2025

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: 13/06/2025
Time of collection: 10:00
Collected by : Lokesh Kumar, JEE
Date of receipt: 23/06/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	26.89	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: 16158762/A-18355

30/06/2025

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: 17/06/2025
Time of collection: 09:00
Collected by : Lokesh Kumar, JEE
Date of receipt: 23/06/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	28.60	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: 16158800/A-18356

30/06/2025

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 at Bithal**
Date of collection: **17/06/2025**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **23/06/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	55.49	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: 16158869/A-18357

30/06/2025

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: **Dam/PH Site (Right Bank of River Satluj)**
Date of collection: **18/06/2025**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **23/06/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	35.80	microgram mes/m3	NA	NA



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RL Shimla



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

Report No: 16158880/A-18359

30/06/2025

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: **18/06/2025**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **23/06/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	38.26	microgram mes/m3	NA	NA



**Dr Rajender Kumar , SO
RL Shimla**



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

Report No: 16570281/W-18981

13/08/2025

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: **02/08/2025**
Description of sample: **River Satluj u/s Dam**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	0.42	mg/L	NA	NA
2	Nitrite-N	BDL	mg/L	NA	NA
3	Ammonical Nitrogen	BDL	mg/L	NA	NA
4	pH	8.24	-	NA	NA
5	Conductivity	236.7	microsiemens/cm	NA	NA
6	DO	8.7	mg/L	NA	NA
7	Fecal Coliform	11.0	MPN/100ml	NA	NA
8	BOD	2.1	mg/L	NA	NA
9	Turbidity	5.6	NTU	NA	NA
10	COD	38.0	mg/L	NA	NA
11	TSS	4889.0	mg/L	NA	NA
12	Sodium	11.39	mg/L	NA	NA
13	Sulphate	57.66	mg/L	NA	NA
14	Ca ⁺⁺	32.46	mg/L	NA	NA
15	Total Phosphate	BDL	mg/L	NA	NA
16	Fluoride	0.20	mg/L	NA	NA
17	TDS	145.0	mg/L	NA	NA
18	Potassium	4.89	mg/L	NA	NA
19	Boron	0.25	mg/L	NA	NA

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Dr Rajender Kumar , SO
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H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 16570285/W-18979

13/08/2025

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: **02/08/2025**
Description of sample: **River Satluj TRT of LHEP**

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	BDL	mg/L	NA	NA
3	pH	8.22	-	NA	NA
4	Conductivity	266.2	microsiemens/cm	NA	NA
5	DO	8.7	mg/L	NA	NA
6	Fecal Coliform	6.8	MPN/100ml	NA	NA
7	BOD	1.3	mg/L	NA	NA
8	Turbidity	4.8	NTU	NA	NA
9	COD	33.6	mg/L	NA	NA
10	Total Phosphate	BDL	mg/L	NA	NA
11	TSS	4023.0	mg/L	NA	NA
12	Sulphate	62.24	mg/L	NA	NA
13	Ca ⁺⁺	27.25	mg/L	NA	NA
14	Ammonical Nitrogen	BDL	mg/L	NA	NA
15	Sodium	4.75	mg/L	NA	NA
16	Fluoride	0.17	mg/L	NA	NA
17	TDS	149.0	mg/L	NA	NA
18	Potassium	2.79	mg/L	NA	NA
19	Boron	0.22	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: 16570288/W-18984

13/08/2025

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: 02/08/2025
Description of sample: Hand Pump Nirath

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	7.42	mg/L	NA	NA
2	Nitrite-N	BDL	mg/L	NA	NA
3	Ammonical Nitrogen	BDL	mg/L	NA	NA
4	Conductivity	358.6	microsiemens/cm	NA	NA
5	DO	not reported	-	NA	NA
6	Fecal Coliform	24.0	MPN/100ml	NA	NA
7	BOD	BDL	-	NA	NA
8	Turbidity	2.8	NTU	NA	NA
9	COD	BDL	mg/L	NA	NA
10	TSS	14.0	mg/L	NA	NA
11	Sodium	17.83	mg/L	NA	NA
12	Fluoride	0.23	mg/L	NA	NA
13	TDS	221.0	mg/L	NA	NA
14	Potassium	20.67	mg/L	NA	NA
15	Boron	0.29	mg/L	NA	NA
16	Sulphate	62.3	mg/L	NA	NA
17	Ca ⁺⁺	40.08	mg/L	NA	NA
18	pH	7.98	-	NA	NA
19	Total Phosphate	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: 16570291/W-18977

13/08/2025

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: **02/08/2025**
Description of sample: **River Satluj D/s Dam before Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	0.38	mg/L	NA	NA
2	Conductivity	272.2	microsiemens/cm	NA	NA
3	DO	8.6	mg/L	NA	NA
4	Fecal Coliform	12.0	MPN/100ml	NA	NA
5	BOD	BDL	-	NA	NA
6	Turbidity	6.4	NTU	NA	NA
7	COD	35.6	mg/L	NA	NA
8	TSS	3789.0	mg/L	NA	NA
9	Sodium	4.62	mg/L	NA	NA
10	Fluoride	0.16	mg/L	NA	NA
11	TDS	143.0	mg/L	NA	NA
12	Potassium	2.91	mg/L	NA	NA
13	Boron	0.21	mg/L	NA	NA
14	Sulphate	59.86	mg/L	NA	NA
15	Ca++	21.24	mg/L	NA	NA
16	Nitrite-N	BDL	mg/L	NA	NA
17	Ammonical Nitrogen	BDL	mg/L	NA	NA
18	pH	8.26	-	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: 16570293/W-18982

13/08/2025

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: **02/08/2025**
Description of sample: **Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Nitrate-N	1.15	mg/L	NA	NA
2	Nitrite-N	BDL	mg/L	NA	NA
3	Ammonical Nitrogen	BDL	mg/L	NA	NA
4	pH	7.81	-	NA	NA
5	DO	9.6	mg/L	NA	NA
6	COD	17.6	mg/L	NA	NA
7	Total Phosphate	BDL	mg/L	NA	NA
8	TSS	2177.0	mg/L	NA	NA
9	Sodium	12.96	mg/L	NA	NA
10	Fluoride	0.20	mg/L	NA	NA
11	TDS	183.0	mg/L	NA	NA
12	Potassium	11.67	mg/L	NA	NA
13	Boron	0.27	mg/L	NA	NA
14	Sulphate	46.67	mg/L	NA	NA
15	Ca ⁺⁺	26.45	mg/L	NA	NA
16	Conductivity	287.8	microsiemens/cm	NA	NA
17	Fecal Coliform	22.0	MPN/100ml	NA	NA
18	BOD	2.7	mg/L	NA	NA
19	Turbidity	7.2	NTU	NA	NA

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**Dr Rajender Kumar , SO
RL Shimla**



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Item ID	Description	Quantity	Unit Price	Total Price	Notes
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H.P. STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 16570295/W-18983

13/08/2025

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: **02/08/2025**
Description of sample: **River Satluj after conf, with Bhera Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Fluoride	0.18	mg/L	NA	NA
2	TDS	146.0	mg/L	NA	NA
3	Potassium	2.59	mg/L	NA	NA
4	Boron	0.22	mg/L	NA	NA
5	Nitrate-N	0.34	mg/L	NA	NA
6	Nitrite-N	BDL	mg/L	NA	NA
7	Ammonical Nitrogen	BDL	mg/L	NA	NA
8	pH	8.24	-	NA	NA
9	Conductivity	233.3	microsiemens/cm	NA	NA
10	DO	8.7	mg/L	NA	NA
11	Fecal Coliform	11.0	MPN/100ml	NA	NA
12	BOD	1.7	mg/L	NA	NA
13	Turbidity	7.2	NTU	NA	NA
14	COD	38.0	mg/L	NA	NA
15	Total Phosphate	BDL	mg/L	NA	NA
16	TSS	4360.0	mg/L	NA	NA
17	Sodium	4.74	mg/L	NA	NA
18	Sulphate	60.08	mg/L	NA	NA
19	Ca++	26.85	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
(Stack/Ambient Air) Monitoring Report

Report No: 17079607/A-19890

14/10/2025

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: **17/09/2025**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **29/09/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	24.62	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: 17079609/A-19891

14/10/2025

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 Guest House LHEP, Bithal Village
Date of collection: 17/09/2025
Time of collection: 09:30
Collected by : Lokesh Kumar, JEE
Date of receipt: 29/09/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	22.92	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: 17079616/A-19894

14/10/2025

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 Nirath Village**
Date of collection: **18/09/2025**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **29/09/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	44.89	microgram mes/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: 17079621/A-19895

14/10/2025

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: PH/Dam Site (left Bank of R. satluj)
Date of collection: 18/09/2025
Time of collection: 09:30
Collected by : Lokesh Kumar, JEE
Date of receipt: 29/09/2025

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	20.27	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: 17079623/A-19892

14/10/2025

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 R. satluj)**
Date of collection: **19/09/2025**
Time of collection: **09:00**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **29/09/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	125.95	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: 17079627/A-19893

14/10/2025

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 Moin Village**
Date of collection: **19/09/2025**
Time of collection: **09:30**
Collected by : **Lokesh Kumar, JEE**
Date of receipt: **29/09/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	21.02	microgram mes/m3	NA	NA



Dr Rajender Kumar , SO
RL Shimla

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

MDC Meeting: 1st

Date: June 17, 2025 (1130 hrs)

Venue: Conference Hall, Rampur HPS, Bayal

Attendance: Attached

Approvals/Consents for Minutes: Emails

The meeting commenced with a welcome address by LHEP, extending greetings to the Chairperson along with dignitaries/members. Further, providing an overview of the purpose of the MDC, constituted by the Ministry of Environment, Forest & Climate Change (MoEF&CC) in January 2025, in accordance with the conditions stipulated under the Environmental Clearance (EC) granted to the Project. Representatives from SJVN made a detailed presentation covering:

- Project overview and physical progress along with a documentary on Project
- Implementation status of Environmental Management Plan (EMP)
- Community development initiatives under Corporate Environment Responsibility.
- R&R / Issues

The details of agenda points along with decisions/action plans, due dates and responsibility centers is as under:

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
1.	DURING MEETING			
	<p>A. Catchment Area Treatment Plan It was apprised to the Committee that an amount of ₹20.63 crores has been utilized against the total allocation of ₹56.68 crores under the approved plan. However, certain key components—such as Monitoring & Evaluation (M&E), Eco-Battalion deployment, and Payment</p>	<p>i. It was decided to merge the Eco-Battalion head (₹56.68 lakh) and the Payment for Environmental Services (PES) head (₹5.66 crore) into the Joint Forest Management (JFM) head. Further, it was proposed that Mahila Mandals/ Yuvak Mandals may be engaged under</p>	Update by next MDC	<ul style="list-style-type: none"> • Pr.CCF (HOFF) • DFO (Rampur) • DFO (Anni)

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
	<p>for Environmental Services (PES)—have shown no progress since the inception of the plan.</p> <p>The absence of an operational Eco-Battalion in the region and the non-utilization of PES funds were noted as matters of concern.</p> <p>In view of the above issues, and with the objective of ensuring effective utilization of funds and fulfillment of the plan's intended outcomes, the Committee discussed and adopted specific decisions, as detailed in the corresponding column.</p>	<p>the recently launched Rajiv Gandhi Van Samvardhan Yojana (RGVSY) to implement activities previously covered under these two heads. This is justified on two grounds that 1) Eco-battalions are not available in the region and it will be costly (both in terms of finance and time - to form them at this juncture) and 2) the intended purpose of afforestation with community involvement (as is the intent of the CAT plan document) will be well-served by dovetailing the two heads with JFM and utilizing the funds under the banner of RGVSY (Contributions of SJVNL under RGVSY will also be highlighted in spirit of decision under "Agenda Point 1 at E" of the Minutes). In addition, the concerned Divisions of Anni and Rampur can also work out a scheme of utilizing the PES head for forest fire mitigation with community support (by instituting transparent monetary incentives for communities who aid forest fire mitigation).</p> <p>ii. The Himalayan Forest Research Institute (ICFRE) may be formally engaged to undertake Monitoring and Evaluation (M&E) of the Catchment Area Treatment (CAT) Plan, ensuring</p>		

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
		<p>professional oversight and scientific validation of the implementation.</p> <p>iii. The Committee recommended that the department may explore the option of hiring retired Revenue staff (one Kanungo and two patwaris – each for Anni and Rampur divisions) to strengthen Forest Protection efforts under the plan i.e. for survey and demarcation to construct the boundary pillars as envisaged under the plan.</p> <p>iv. To expedite utilization of the Research, Training, and Capacity Building budget, it was advised to organize additional exposure tours and training programs within India for relevant staff, focusing on best practices in environmental management and forest conservation. HFRI shall help the concerned Divisions to plan these tours.</p> <p>v. Further, representative of MoEF&CC suggested that geo-tagged photographs of all physical activities taken under CAT plan should be taken and inventory of the same shall be maintained.</p>		
	<p>B. Biodiversity Management Plan The Project Proponent (PP) informed the Committee that the EIA/EMP Report includes a</p>	<p>The Committee deliberated on the matter, and the Chairperson assured that the Biodiversity Management Plan—</p>	<p>July 31, 2025</p>	<p>• CWLW (Wildlife Wing-Forest)</p>

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
	<p>detailed biodiversity conservation plan with a budgetary provision of ₹105 lakhs. Subsequently, following the issuance of the Environmental Clearance (EC), the requirement for a dedicated Wildlife Conservation Plan (WCP) for Schedule-I species was introduced and stipulated as a condition of the EC.</p> <p>In compliance, the Wildlife Conservation Plan was customized in FY 2021, incorporating specific measures for Schedule-I species and considering the inputs of the concerned Divisional Forest Officers (DFOs). However, limited progress occurred due to observations raised by the Chief Wildlife Warden's (CWLW) Office, which led to repeated revisions.</p> <p>Eventually, the plan was reviewed and submitted for approval in FY 2024. However, the draft was turned down citing the MoEF&CC's revised notification, which mandates that the Wildlife Management Plan should amount to 2% of the total project cost.</p> <p>It was emphasized that this 2% norm primarily applies to projects located within Protected Areas (PAs) or Eco-Sensitive Zones (ESZs). The retrospective application of this guideline to the current project—which was granted EC in FY 2019 and is located far from any notified PA or ESZ—was considered disproportionate to the project's contextual requirements.</p>	<p>incorporating measures for Schedule-I species—would be finalized at the earliest, without mandating adherence to the 2% of Project cost provision.</p>		<ul style="list-style-type: none"> • DFO (Rampur) • DFO (Anni) • DFO (WL), Sarahan • HOP (LHEP)

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
	<p>C. Muck Disposal at Shingapur The Divisional Forest Officer (DFO), Kotgarh, apprised the Committee that an incident of unauthorized muck disposal along the Satluj River had been reported. An investigation conducted by the Senior Judge-cum-Additional Chief Judicial Magistrate (ACJM), District Legal Services Authority (DLSA), could not conclusively determine the agency/individual responsible for the muck dumping.</p> <p>However, considering the present condition of the site and in the interest of public welfare and environmental protection, the Head of Project, LHEP, was directed to undertake afforestation and fencing works at the identified location, as per the directive issued in the report dated 08 January 2024. It was noted that the site is yet to be restored in compliance with the ACJM's directions.</p>	<p>The Committee directed LHEP to comply the ACJM directions on a priority basis. Prior to execution, the Committee instructed LHEP, Director (HFRI), and DFO (Kotgarh) to have a detailed restoration plan prepared through the Himalayan Forest Research Institute (HFRI), Shimla.</p> <p>It was further noted that there are no CAT Plan provisions available under the LHEP with DFO (Kotgarh) for funding the preparation of the restoration plan. Therefore, the funds may be sourced under the "Research, Training & Capacity Building" head of the CAT Plan of LHEP, currently earmarked to DCF (Rampur) and DCF (Anni).</p>	Update by next MDC	<ul style="list-style-type: none"> • DFO (Kotgarh) • DCF (Anni) • DCF (Rampur) • Director (HFRI) • HOP (LHEP)
	<p>D. Energy/Fuel Consumption The Committee observed that the expenditure reported under the heads of Labour Welfare, Energy Conservation Measures, and Waste Management Plan appeared significantly low in comparison to the allocated budget of ₹235 lakhs. In particular, the low expenditure on energy usage raised concerns that labourers might be sourcing fuelwood from nearby forest areas.</p>	<p>The Committee instructed LHEP to review and update the expenditure records to accurately reflect the costs incurred on the free supply of fuel provided to labourers.</p>	Update by next MDC	<ul style="list-style-type: none"> • HOP (LHEP)

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
	In response, LHEP assured the Committee that a system of free fuel supply to labourers is already in place. It was noted that the expenditure incurred on providing fuel in labour messes may not have been fully captured or accounted for under the specified cost heads.			
	<p>E. Acknowledgement to Project/SJVN for funding on CAT or CA plan or Other</p> <p>LHEP apprised the Committee that Project Affected Area residents have been raising concerns regarding the implementation of the said plans, particularly due to a lack of clarity on how, when, and where the allocated funds have been utilized. To address this issue initially, it was suggested that the works executed by the Forest Department may prominently acknowledge LHEP on the display boards installed at the respective work sites. This would help enhance transparency and improve public perception of the Project's contributions.</p>	<p>The Committee instructed both LHEP and the Forest Department to jointly address the concerns raised by the local community. LHEP was further directed to provide a suitable format for display boards, ensuring that necessary acknowledgments and details are appropriately incorporated by the Forest Department at work sites.</p> <p>Moreover, Project/Forest Dept. may explore the option of designing display board through students by organizing competition.</p>	Update by next MDC	<ul style="list-style-type: none"> • DFO (Rampur) • DFO (Anni) • HOP (LHEP)
	<p>F. Labourer's Pulmonary tests</p> <p>LHEP apprised the Committee that periodic blood tests and physical health check-ups are being conducted by M/s LHPC, the EPC contractor for the Project, as part of the occupational health monitoring program.</p>	The Committee instructed LHEP to carry out peak flow rate assessments using a standard peak flow meter. The average peak flow rate should be determined from multiple readings recorded during the test. It was further advised that	Update by next MDC	HOP (LHEP)

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
		<p>results obtained during the pre-placement medical examination may be used as a baseline reference for the same individual, at the same altitude, during subsequent evaluations. Additionally, the Committee recommended respiratory system check-ups as part of routine health assessments.</p>		
	<p>G. Monitoring of mitigation measures (EMP) The Committee members emphasized the need for establishing a structured monitoring mechanism, wherein a comprehensive inventory of activities planned under various Environmental Management Plan (EMP) heads—along with their implementation status—is maintained. Such a mechanism would serve as an effective tool for the Multi-Disciplinary Committee (MDC) to systematically review and supervise the progress of environmental safeguard measures.</p>	<p>The Committee instructed LHEP to adopt a project monitoring tool, such as PERT (Program Evaluation and Review Technique), to systematically track and evaluate the progress of activities under various EMP heads. The implementation of such a tool will aid in effective planning, supervision, and timely execution of environmental mitigation measures.</p>	<p>Update by next MDC</p>	<p>• HOP (LHEP)</p>
	<p>H. Engagement of Agencies in the Next MDC The Committee emphasized the need to engage agencies with expertise in ecological studies and environmental monitoring. It was suggested that such agencies may be invited to participate in the next MDC meeting to provide independent insights and scientific assessment of the Project's environmental performance.</p>	<p>The Committee decided and instructed LHEP to engage relevant agencies undertaking ecological studies; monitoring environmental parameters; and executing EMP at the Project. Their involvement is expected to provide greater clarity on various environmental aspects of the Project. The Committee further advised that these agencies may</p>	<p>Update by next MDC</p>	<p>• HOP (LHEP)</p>

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

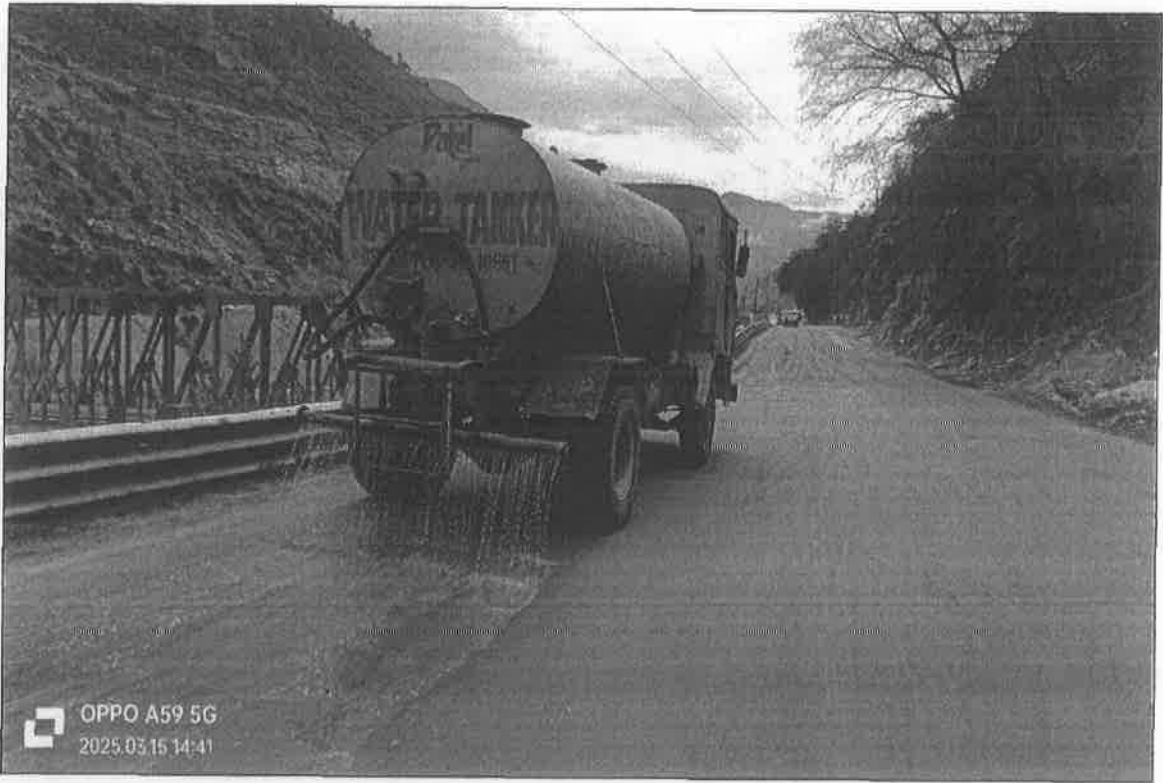
Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
		be invited to participate in future MDC meetings through videoconferencing, where physical presence is not feasible.		
	<p>I. Expedite EMP expenditure The Committee also acknowledged that certain Environmental Management Plan (EMP) components require greater and more focused attention. The relatively low financial expenditure under several EMP heads over the past five years was seen as indicative of limited progress in key environmental areas. In response, LHEP apprised the Committee that the majority of the EMP components are part of the contractual obligations assigned to M/s LHPC, the EPC contractor for the Project, and their implementation is being routed accordingly.</p>	<p>The Committee instructed LHEP to make sincere and focused efforts to ensure tangible progress under the various EMP heads. Further, representative of MoEF&CC suggested that geo-tagged photographs of all physical activities taken under EMP should be taken and inventory of the same shall be maintained.</p>	Update by next MDC	• HOP (LHEP)
2.	DURING SITE VISIT			
	Despite inclement weather on the day of the visit, the MDC was able to get a brief overview of the Project from the designated viewpoint. Additionally, the Member from the Integrated Regional Office (IRO), MoEF&CC, conducted an independent visit to the project's muck disposal sites and labourers' camp in late afternoon.			
	A. Starting with Dumping Site-3 & 4, at Bithal it was observed these sites are to be restored.	Advised to restore dumping sites on priority as per Muck Management Plan. Regular monitoring and maintenance of protection/engineering measures of all dumping sites shall be ensured to prevent any spillage of muck into the River.	Update by next MDC	• HOP (LHEP)

Minutes of 1st Multi-Disciplinary Committee (MDC) Meeting of Luhri HEP (210 MW), SJVN

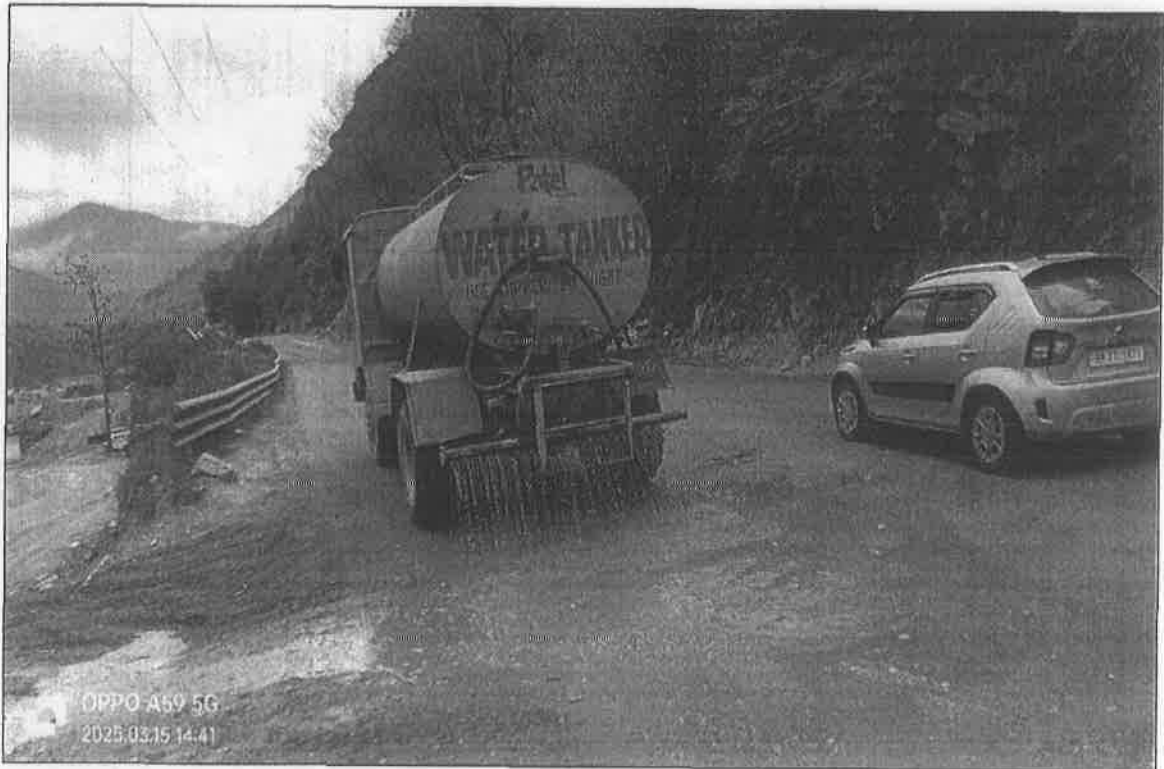
Agenda Point	Deliberations	Decisions/Actions Planned	Due Date	Responsibilities
	B. It was also desired to share details of muck disposal along with capacities utilized dumping site-wise.	Sought tabular data from LHEP.	Immediate Action	• HOP (LHEP)
	C. Visited health facility at site and checked records and test reports, among other medical aspects.	Suggestion on pulmonary tests already covered under meeting (above).		
3.	<p>SUGGESTIONS BY CHAIRPERSON</p> <p>The Chairperson / Pr. CCF (HOFF) apprised the Committee that, as this was the first visit of the MDC, it provided an opportunity for all members to develop a basic understanding of the Project and its environmental dimensions. He emphasized that the MDC has a significant role in supervising and guiding the implementation of environmental mitigation measures at the Project. Accordingly, future meetings of the MDC will be more focused, with members expected to come well-prepared for technical discussions and assessments. The Chairperson showed concern over slow utilization of funds under CAT plan and EMP. Further it was advised to DFO concerned being major stakeholder to speed up implementing the CAT plan and EMP by LHEP in a timely manner. The Chairperson also expressed hope that the next visit would reflect visible progress on the suggestions and instructions issued during this meeting.</p> <p>In response, the Co-Chairperson / Head of Project (LHEP) assured the Committee of the Project's commitment to the recommendations and timely implementation of the discussed actions.</p>			
Meeting ended with thanks to Chairperson and all members of MDC.				

Chop
11/17/25

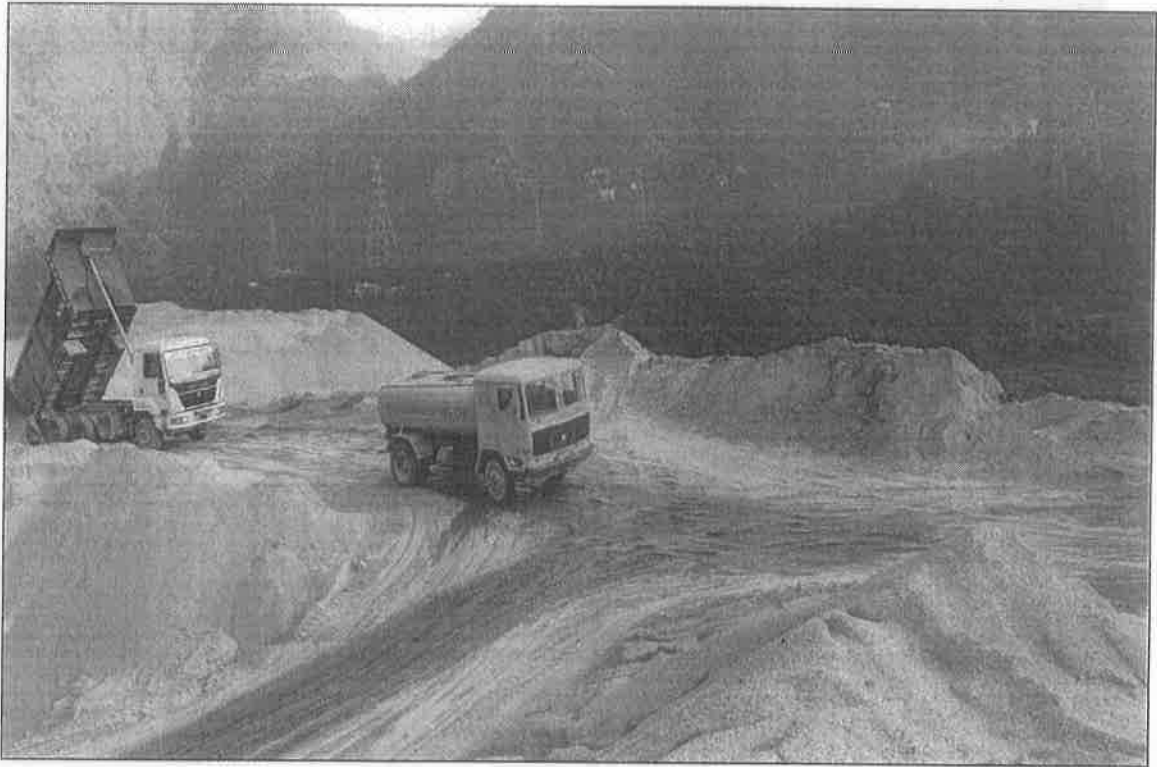
(Member Secretary)
Multi-Disciplinary Committee,
LHEP-I, SJVN



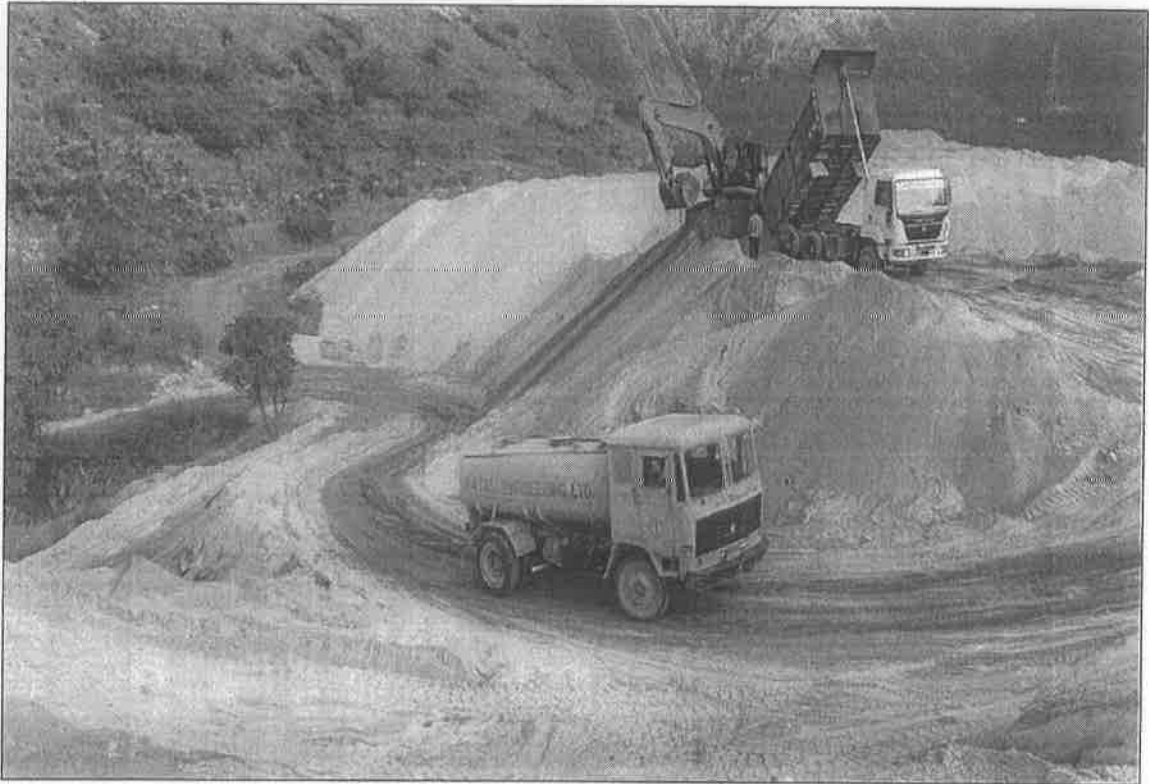
Picture-1. Water Tanker sprinkling water at site.



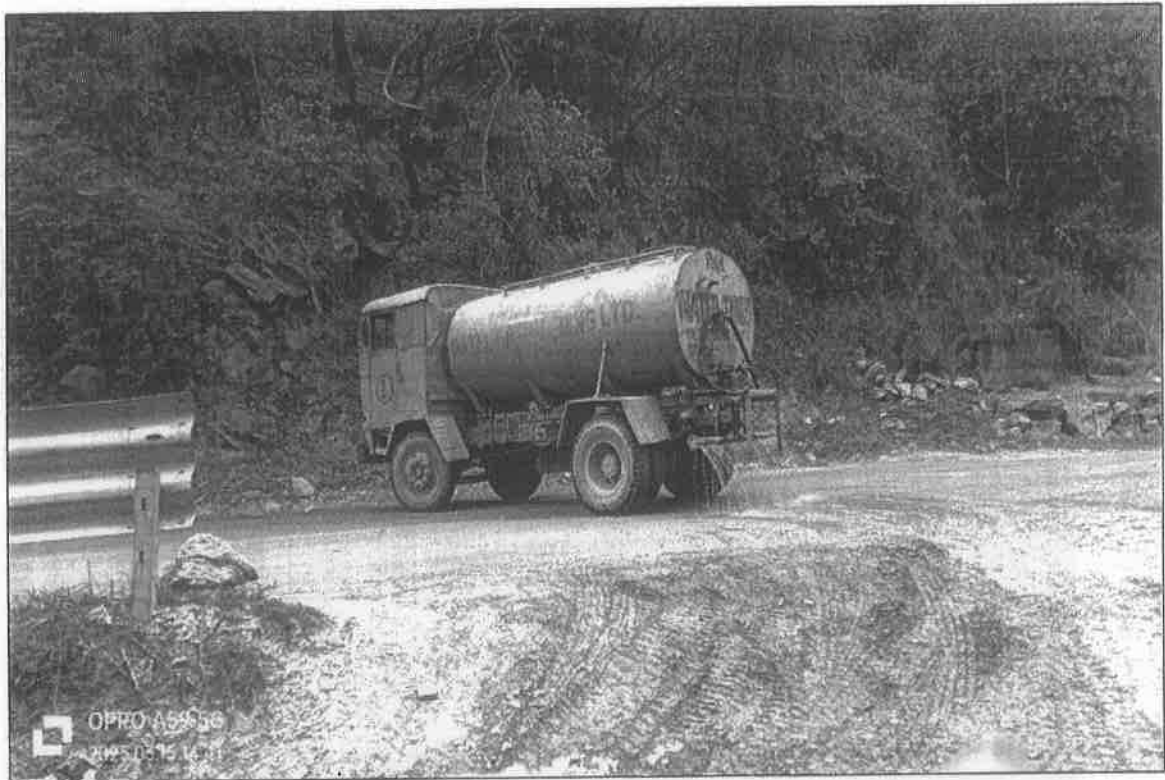
Picture-2. Water Tanker sprinkling water at NH.



Picture-3. Water Tanker sprinkling water near Stock Yard.



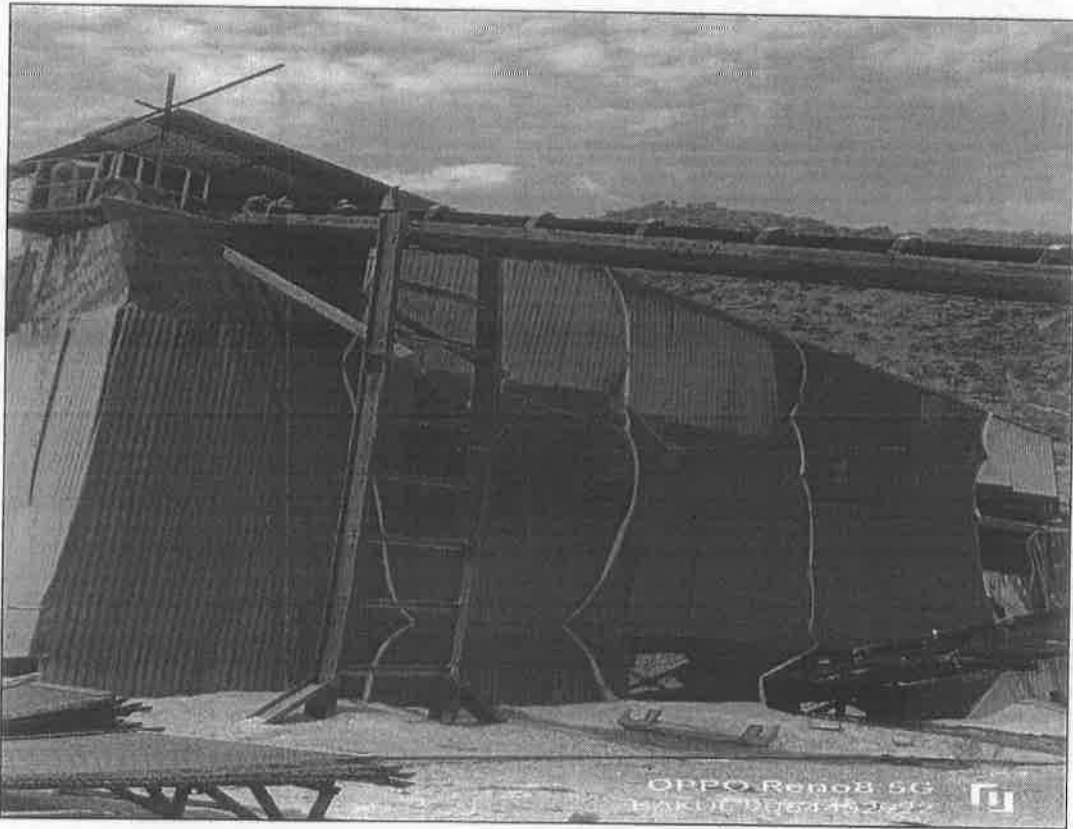
Picture-4. Water Tanker sprinkling water at Moin Stock Yard/ Crusher Area.



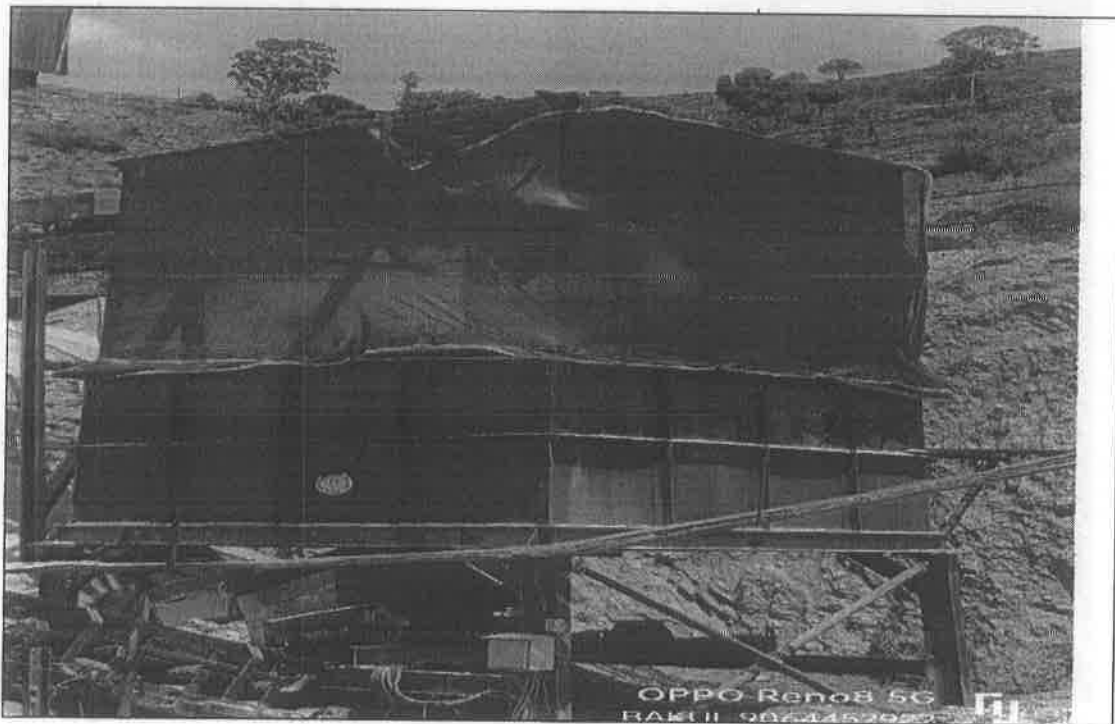
Picture-5. Water Tanker sprinkling water on Main Road.



Picture-6. Water Tanker sprinkling water on site.



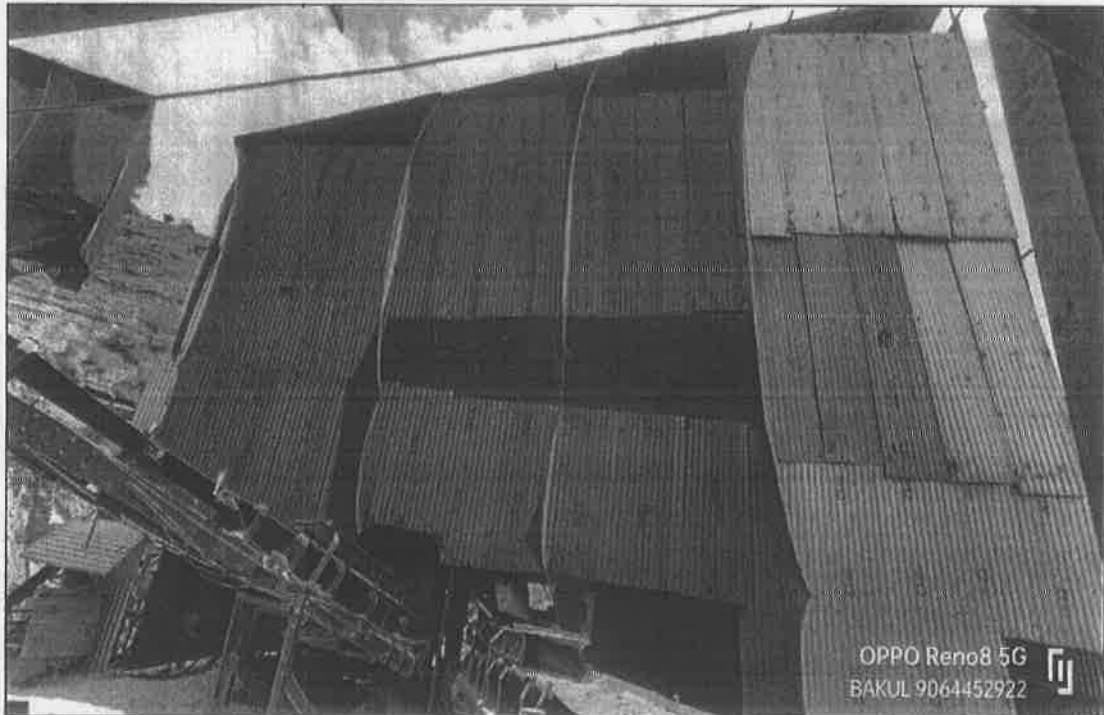
Picture-7. Crusher parts properly covered to prevent dust emission.



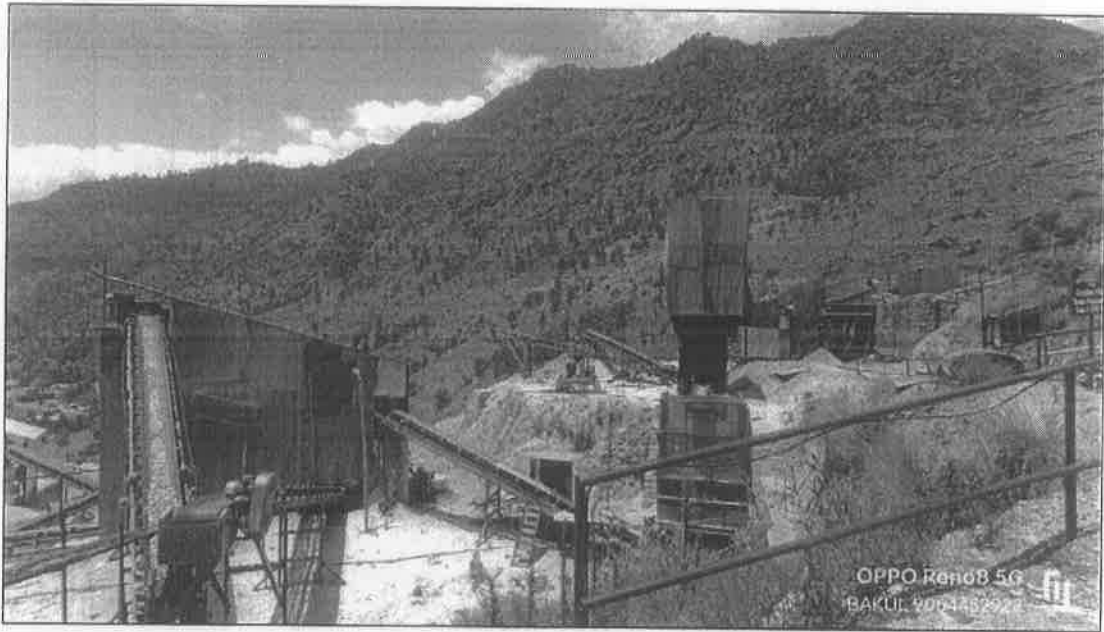
Picture-8. Crusher parts properly covered to prevent dust emission.



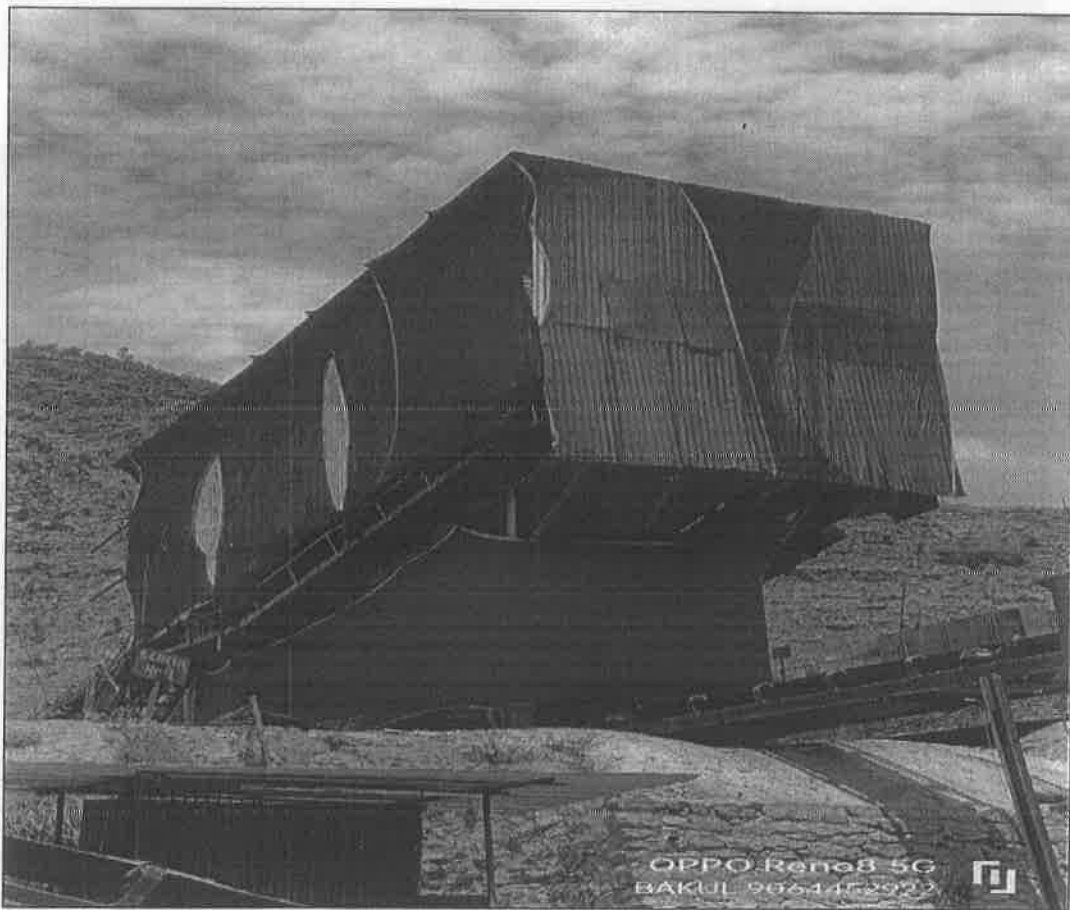
Picture-09. Crusher parts properly covered to prevent dust emission



Picture-10. Crusher parts properly covered to prevent dust emission



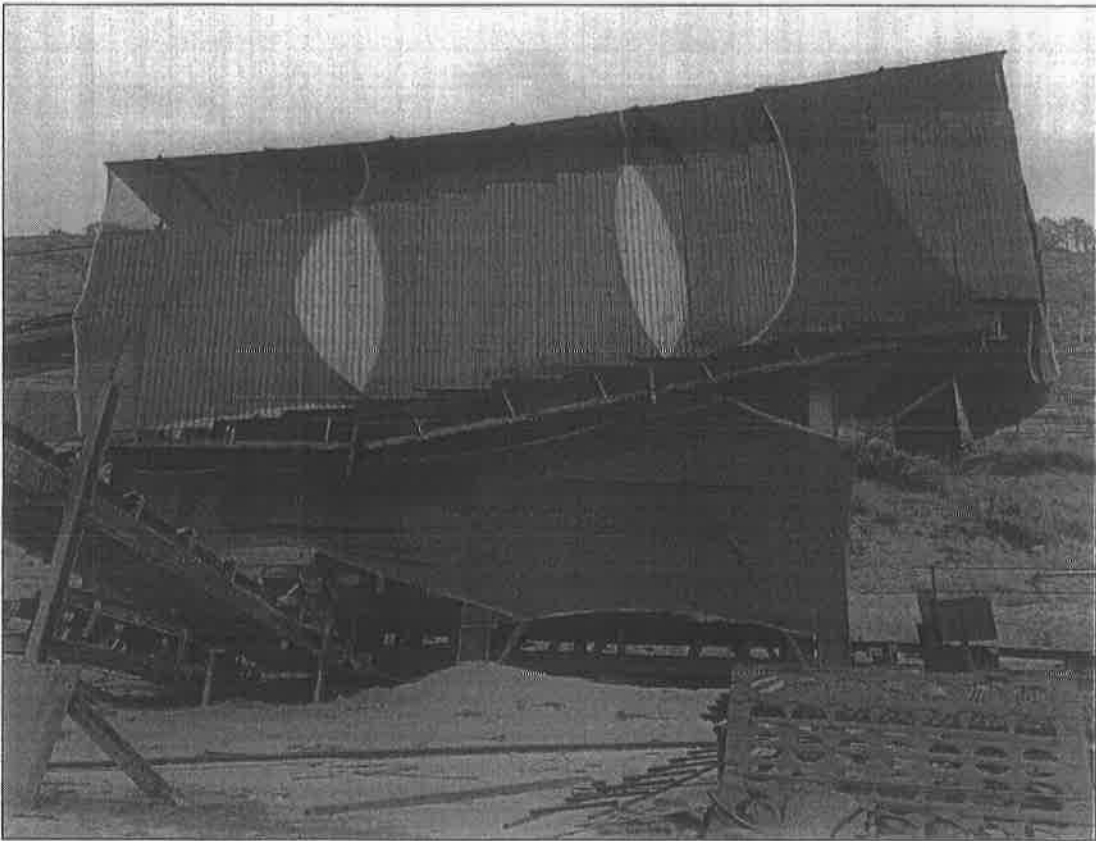
Picture-11. Water Tanker sprinkling water on site.



Picture-12. Crusher parts properly covered to prevent dust emission



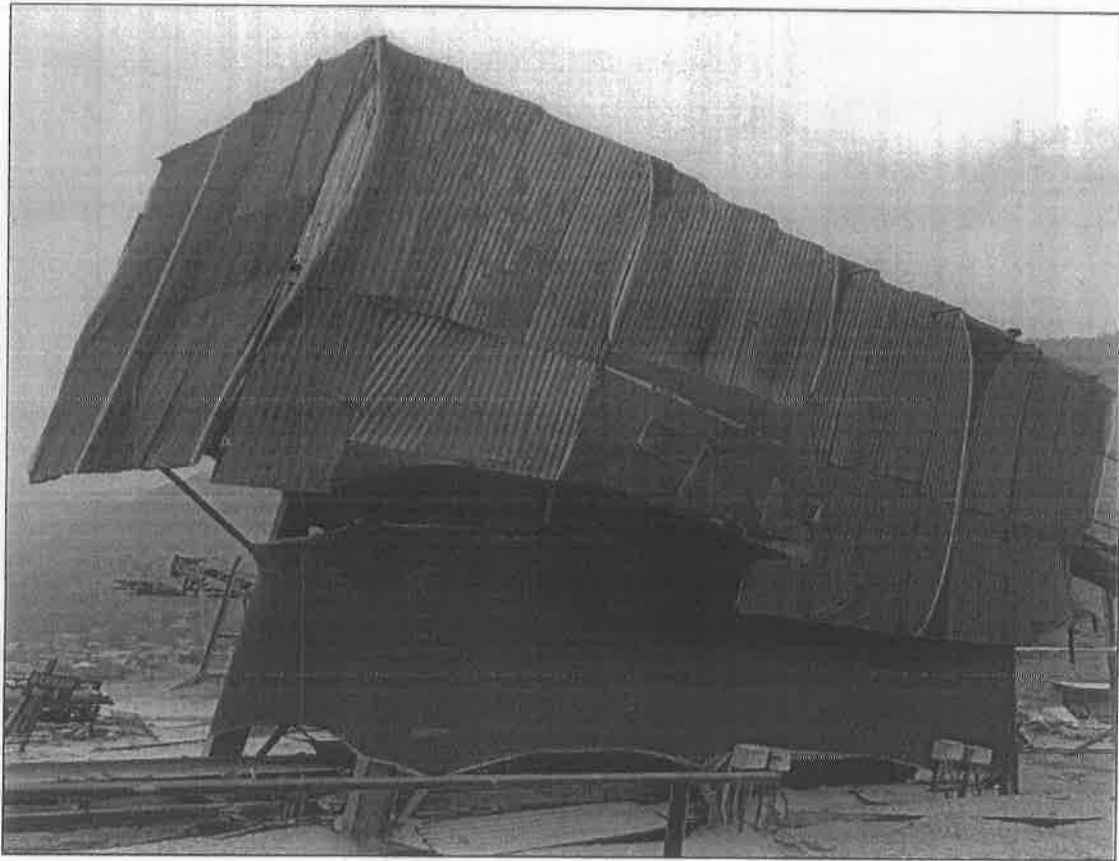
Picture-13. Crusher parts properly covered to prevent dust emission



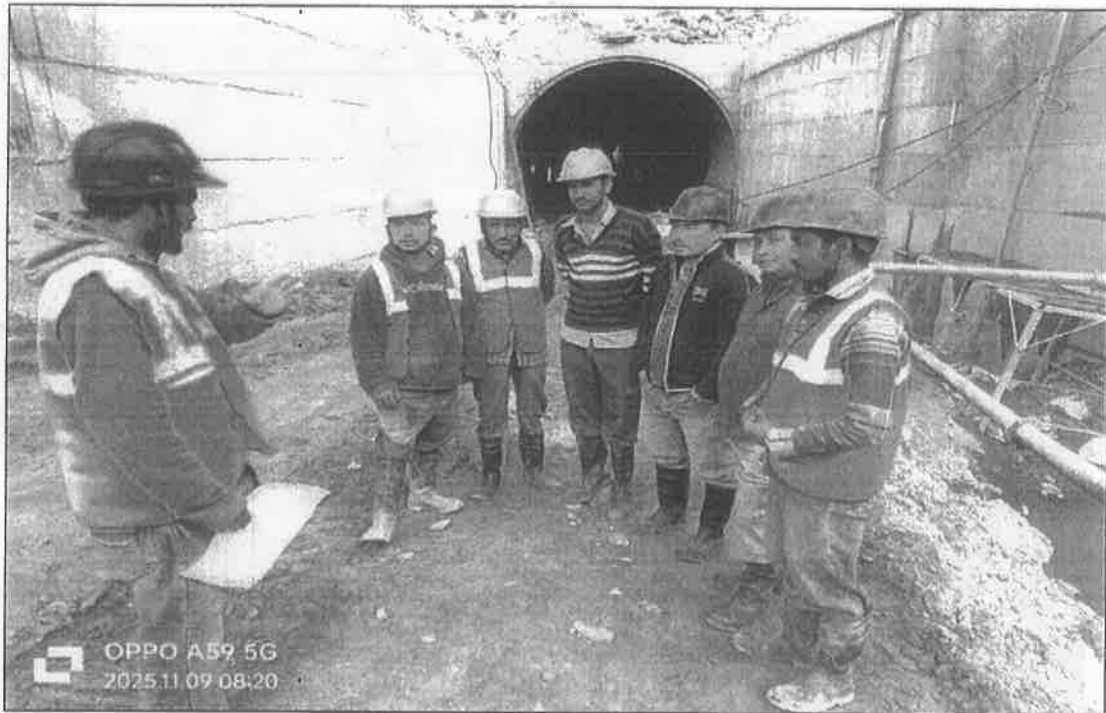
Picture-14. Crusher parts properly covered to prevent dust emission



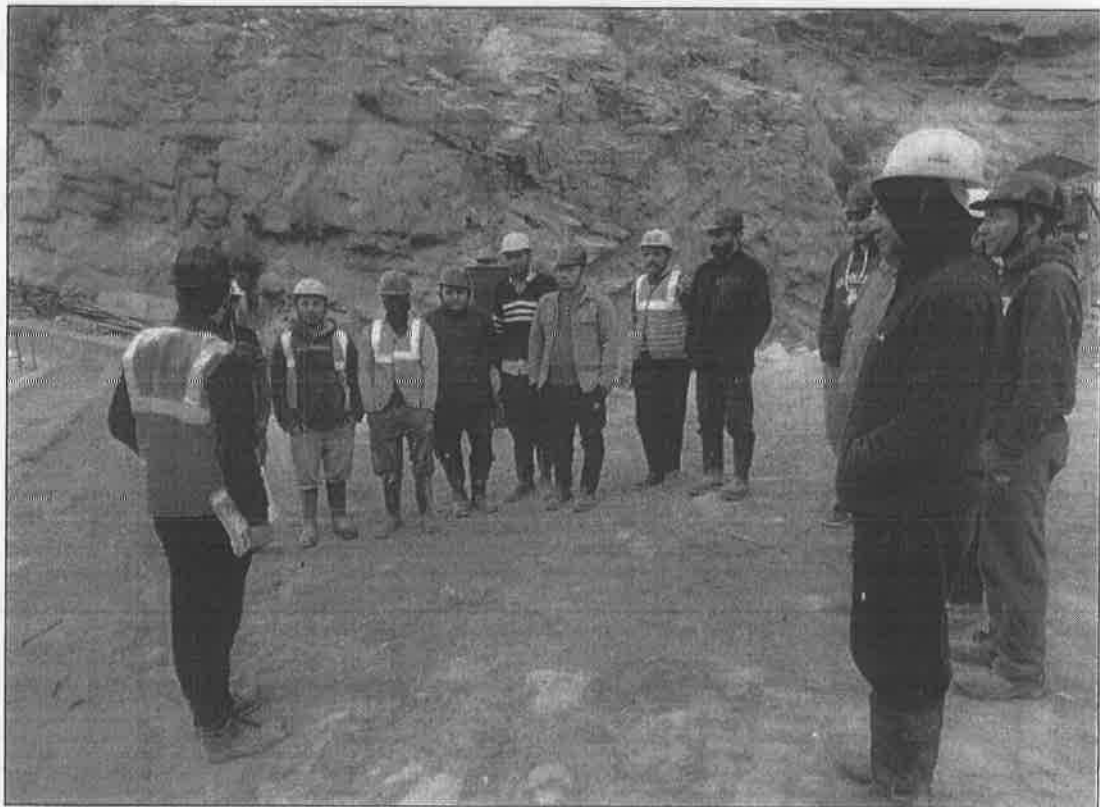
Picture-15. Crusher parts properly covered to prevent dust emission



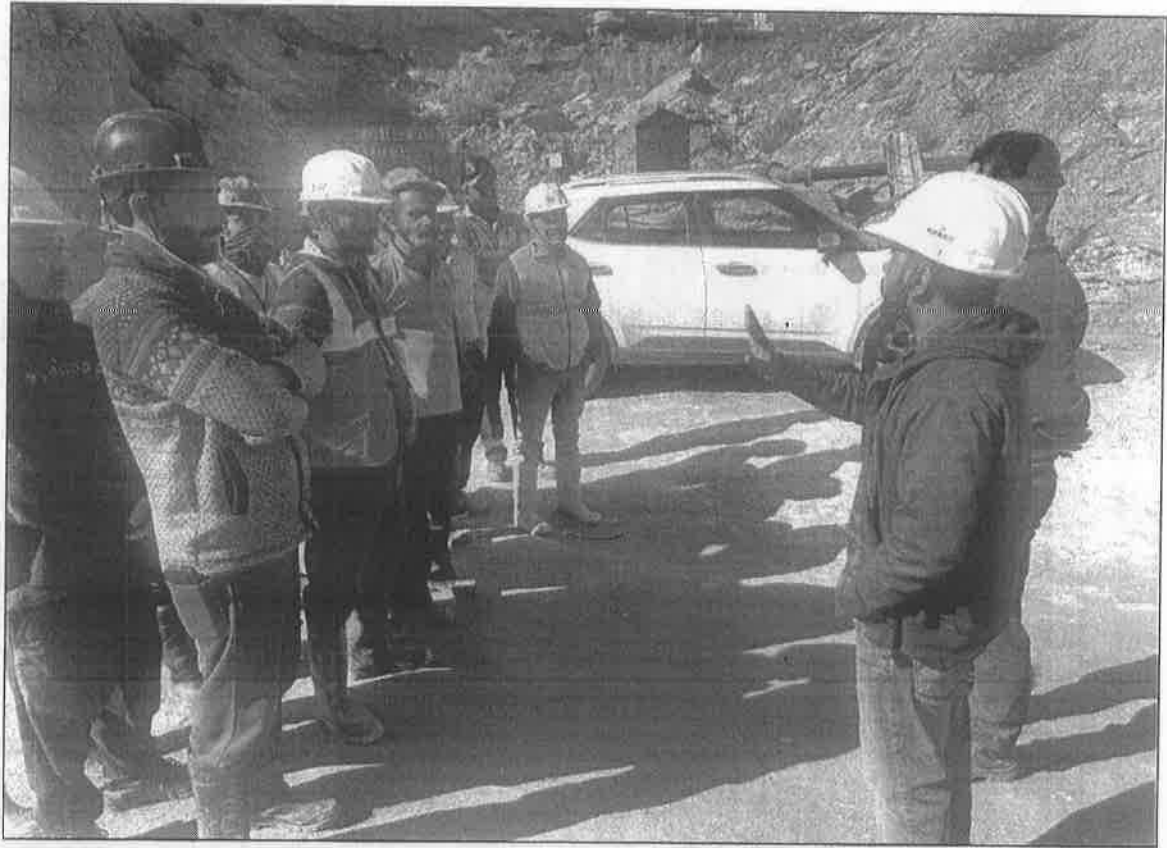
Picture-16. Crusher parts properly covered to prevent dust emission



Picture-17. Tool Box Talk regarding Tunnel Safety.



Picture-18. Tool Box Talk regarding Cutting and Welding.



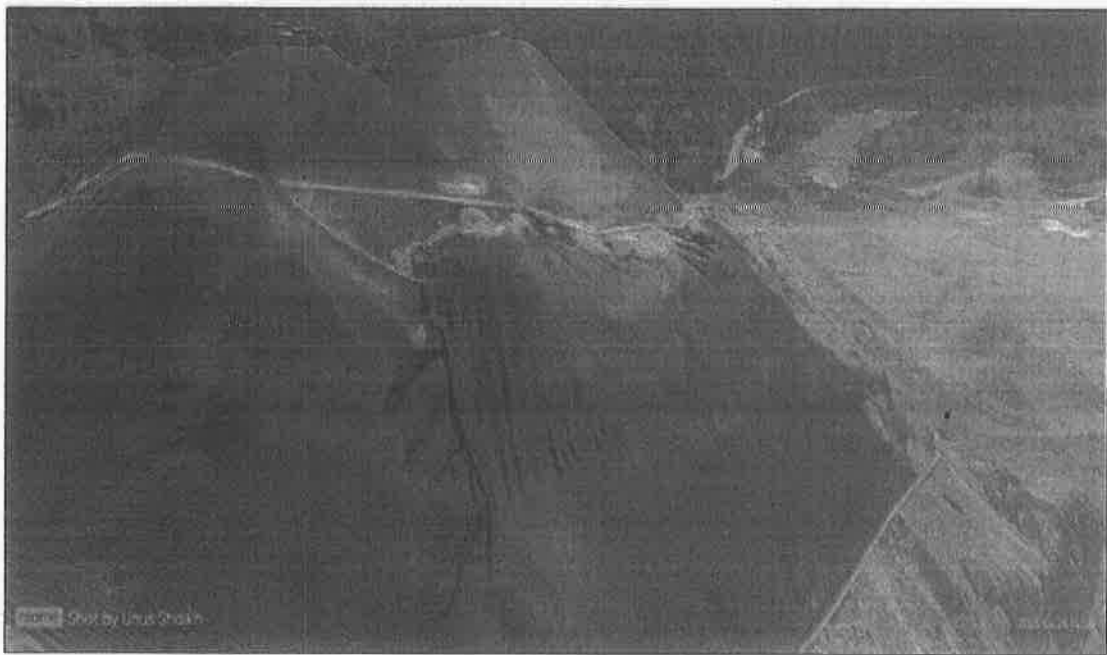
Picture-19. Tool Box Talk regarding Drilling & Blasting.



Picture-20. Tool Box Talk regarding Electrical Hazard.



Picture-21. Crush material covered with trampoline to prevent dust emission.



Picture-22. Crush material covered with net to prevent dust emission.

