

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-38/2025/146

दिनांक: 25/11/2025

सेवा में,
सदस्य सचिव,
नदी घाटी एवं जलविद्युत परियोजनाएँ,
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार,
इंदिरा पर्यावरण भवन, जोरबाग,
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विषय: सुन्नी बांध एचईपी (382 मेगावाट), हिमाचल प्रदेश में पर्यावरणीय स्वीकृति की शर्तों की अनुपालना पर छमाही रिपोर्ट (अप्रैल, 2025 से सितंबर, 2025 तक की अवधि हेतु)।

संदर्भ: ईसी पहचान संख्या; ईसी22ए003एचपी169821 पत्र संख्या जे-12011/14/2017-आईए-आई(आर), दिनांक 04 फरवरी 2022; प्रस्ताव संख्या: आईए/एचपी/आरआईवी/63789/2017

महोदय,

कृपया उक्त पर्यावरणीय स्वीकृति का संदर्भ लें, जिसके अनुसार जिला शिमला और मंडी (हिमाचल प्रदेश) में एसजेवीएन की सुन्नी बांध एचईपी (382 मेगावाट) को पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय द्वारा पर्यावरण मंजूरी प्रदान की गई थी। ईआईए अधिसूचना 2006 और पर्यावरण मंजूरी शर्त संख्या X (iv) के अनुसार, निर्धारित पर्यावरण परस्थितियों की छमाही स्थिति प्रस्तुत करना अनिवार्य आवश्यकता है। इसके अलावा, दिनांक 26.11.2018 की अधिसूचना के अनुसार अर्धवार्षिक 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,


25/11/25
(विभागाध्यक्ष)

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

अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

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SAVE ENERGY FOR BENEFIT OF SELF AND NATION

प्रतिलिपि (केवल ईमेल के माध्यम से):

1. वन महानिरीक्षक (केन्द्रीय), पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, एकीकृत क्षेत्रीय कार्यालय, शिमला प्रथम एवं द्वितीय तल, सी.जी.ओ. कॉम्प्लेक्स, लांगवुड, शिमला - 171001, मेल आईडी: iro.shimla-mefcc@gov.in
2. सदस्य सचिव, हिमाचल प्रदेश राज्य प्रदूषण नियंत्रण बोर्ड, हिम परिवेश, चरण-III, न्यू शिमला-171009, मेल आईडी: mspcb-hp@nic.in

Six Monthly Compliance Report for April 2025 - September 2025

1	Conditions imposed by the Ministry of Environment & Forest, Govt while granting environment clearance vide letter No. F.No. J-12011/14/2017-IA.I (R)	
S. No.	Conditions Imposed	Compliance Status
A	Environmental Management and Biodiversity Conservation	
i	The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports. The budgetary provisions for implementation of EMP, shall be fully utilized and not to be diverted to any other purpose. In case of revision of the project cost or due to price level change, the cost of EMP shall also be updated proportionately.	Being complied
ii	In pursuant to the Ministry OM dated 30.09.2020, the Environmental Management Plan (EMP) shall be revised considering the commitments made to address concern during public consultation. Activities proposed shall be made part of EMP under local area development plan to be submitted to the Ministry.	Needful done. The same was apprised vide letter no. SJVN/CC/ENV/F-38/138 dated 07.01.2022. (Copy attached at Annexure-I).
iii	Conservation plan prepared for schedule I species shall be implemented with approval of concerned CWLW.	Conservation plan approved by Chief Wildlife Warden, HP, Shimla on April 09, 2024. Shall be implemented accordingly. (Copy attached as Annexure- II).
iv	Solid waste generated, especially plastic waste etc. should not be disposed of as landfill material. It should be treated with scientific approach and recycled. Use of single use plastics may be discouraged.	Being complied Solid waste generated especially Plastic waste is not being disposed of as landfill material. The Segregated Dry and Wet waste is being disposed of via Gram Panchayat disposal system.
v	Recommendations of the Cumulative Impact Assessment and Carrying capacity study of Satluj River Basin Study shall be followed while implementing the project.	Being ensured
vi.	Possibility of fish pass/ladder for migration of fish shall be explored in consultation with CIFRI/WII.	The project envisages construction of 71 m high concrete gravity Dam. Because of 71 m dam height, possibility of fish ladder/fish pass is not feasible. The fish management plan of project was reviewed in detail in 5th EAC meeting held on 30 December 2020, wherein after detailed discussion provision was kept for developing fish hatcheries by State Fisheries Department and accordingly was recommended by the committee. Moreover, MoEF&CC has been requested to drop/modify the condition. Annexure-III
B	Socio-economic Study	
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 provision of Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013.	Land is being acquired by State Govt. in accordance to provision of <i>Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013</i> and compensated accordingly.
C	Disaster management	
viii	Necessary control measures such as water	Being complied

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	sprinkling arrangements at all construction sites etc. and construction of paved roads leading to muck disposal sites shall be taken up on priority to arrest fugitive dust.	
ix	Muck carrying trucks shall be equipped with GPS and valid PUC certificate. Monitoring mechanism for muck transportation shall be put in place and be implemented under the supervision of Project Head.	Details of vehicle and PUC status attached as Annexure-IV .
x	Stabilization of muck disposal sites using biological and engineering measures shall be taken to ensure that muck does not roll down the slopes and shall be disposed safely and that it does not pollute the natural streams and water bodies in surrounding area.	Shall be complied
D	Miscellaneous	
xi	Stage-I Forest Clearance shall be submitted for the total forest land (397.8863 ha) involved in the project prior to grant of Environmental Clearance.	Stage-I Forest Clearance granted by MoEF&CC vide File No.8-07/202.1-EC dated 22.12.2021 and the same stand submitted before grant of EC.
xii	After 5 years of the commissioning of the project, a study shall be undertaken regarding impact of the project on the environment. The study shall be undertaken by an independent agency.	Shall be complied
xiii	Necessary permission to be obtained for quarrying construction materials, if any required, for the project as per EIA Notification 2006 and as amended thereof	EC issued to the quarry by SEIAA, HP on 16.05.2023.
xiv	Real time monitoring of e-flows to be done in consultation with State PCB or any other institution.	Noted please
	Standard EC condition for River Valley and Hydroelectric projects	
I	Statutory compliance	
i	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land and for non-forest purpose involved in the project.	Complied. Forest Clearance Stage-II issued vide File No.8-07/2021-FC dated 23.08.2022.
ii.	The project proponent shall obtain clearance from the National Board for wildlife, if applicable.	Not Applicable. (Annexure-V)
iii.	The project proponent shall prepare a site-specific conservation plan & wildlife management plan and approved by Chief Wildlife Warded. The recommendations 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 six monthly compliance report. (In case of the presence of schedule-I species in the study area).	Plan approved by Chief Wildlife Warden, HP, Shimla on April 09, 2024. Yet to be implemented. Plan to be implemented by Forest Department.
iv.	The project proponent shall obtain Consent to Establish/Operate under the provision of Air (prevention & control of Pollution) Act, 1981 and the Water (prevention & control of	CTE to Project renewed on 25.04.2025. (Copy attached as Annexure-VI).

	Pollution) Act, 1974 from the concerned State Pollution Board/Committee.	
v.	NOC shall be obtained from National Commission of Seismic Design parameters (NCSDS) of CWC.	Complied Approval for NCSSP issued by CWC vide letter no. 2/2/2017 (vol-1)/FE&SA/145 dated 11.03.2019. (Copy attached as Annexure-VII)
vi	Necessary approval of CEA shall be obtained for those projects having the project cost more than 1,000 crores.	Complied TEC to the Project issued vide letter no. 2/HP/58/CEA/2017-PAC/97-135 dated 11.02.2021 (copy attached as Annexure-VIII).
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 the 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 the post construction ETA/Monitoring purposes.	Complied. Monitoring Results up to September, 2025 is attached Annexure- IX
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 prescribed standards.	Being complied. Regular Sprinkling on Project site including unpaved roads is being done. Dust control anti-smog gun in use at Site
iii.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Being complied (Photographs attached at Annexure-X).
III Water quality monitoring and preservation		
i.	Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with all-natural drainage system.	Not Applicable. The proposed project shall be strictly used for hydropower generation and not for irrigation facilities. MoEF&CC has been requested to modify/drop the condition. (Copy attached as Annexure-III).
ii.	Remodeling of existing natural drains (link rains) and connecting them with irrigated land through constructed field drains, collector drains, etc. Are to be ensured on priority basis.	Not Applicable. The proposed project shall be strictly used for hydropower generation and not for irrigation facilities. MoEF&CC has been requested to modify/drop the condition. Annexure-III
iii	Before impounding the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per the 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 Cofferdam.	Noted please
iv	As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during the peaking period, efforts be made to reduce impact on the aquatic life including impacts during spawning period	Noted please

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	both at the upstream and downstream of the project.	
v.	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 Sheet be submitted to the Regional Office, MoEF&CC and to the CWC on weekly basis.	Noted please
vi.	Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.	Not Applicable. The proposed project shall be strictly used for hydropower generation and not for irrigation facilities. MoEF&CC has been requested to modify/drop the condition. Annexure-III
vii.	On farm development (OFD) works like landscaping, land levelling, drainage facilities, field irrigation channels and farm roads, etc. Should be taken up in phased manner prior to the start of irrigation in entire command area. The command Area Development plan should be strictly implemented as proposed in the EIA/EMP report.	Not Applicable. The proposed project shall be strictly used for hydropower generation and not for irrigation facilities. MoEF&CC has been requested to modify/drop the condition. Annexure-III
IV	Noise monitoring and prevention	
i.	All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt 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 complied
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 complied. Monitoring result attached as Annexure-XI
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.	CAT Plan cost of Rs. 38.34 Cr has been deposited in compliance to FC-I condition. Status of implementation of same is being followed up at interval with Forest Department concerned. Annexure-XII
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 balanced 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.	Presently, muck generated utilized as a filling material for development of job facility area, offices, batching plant, parking of machinery/vehicles, formation of dykes and also being stacked to be used as a construction material (Aggregate & Sand) for construction purposes, etc. and remaining muck dumped at Lunsu Dumping site. Muck Statement on monthly basis is being submitted to SPCP (Annexure- XIII) Restoration of site will be ensured as per EMP.
ii.	Solid waste management should be planned	Being complied.

	in details. 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.	Segregated dry and wet waste is being disposed of via Gram Panchayat disposal system. Use of single use plastics is being discouraged. Hazardous waste disposed through Authorized vendor only, for which agreement has been done. (Copy attached as Annexure- XIV)
VII	Green Belt, EMP Cost, Fisheries and Wildlife Management	
i.	Based on the recommendation of Cumulative Impact assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.	Noted please
ii.	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.	Fisheries Management Plan for INR 191 lakhs approved and being implemented by HP Fisheries Department. Fisheries Management plan was also received from the HP Fisheries Department on 31.01.2024. Annexure- XV . As informed by fisheries department INR 40 lacs has been utilized for Augmentation of alternative water supply to Departmental Masheer fish farm, Nagar-Sunni in Shimla District (copy enclosed as Annexure-XVI).
iii.	Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.	Plan approved by Chief Wildlife Warden, HP on 09.04.2024. Status of implementation of same through concerned Forest Department shall be ensured. (Annexure-II)
iv.	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 complied.
v.	Compensatory afforestation programme shall be implemented as per the plan approved.	Funds of Compensatory Afforestation as applicable, already deposited. The CA is being implemented by the HP Forest Department. Status of Same is attached as Annexure- XVII
vi.	Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness.	The project envisages construction of 71 m high concrete gravity Dam. Because of 71 m dam height, possibility of fish ladder/fish pass is not feasible. The fish management plan of project was reviewed in detail in 5th EAC meeting held on 30 December 2020, wherein after detailed discussion provision was kept for developing fish hatcheries by State Fisheries Department and accordingly was recommended by the committee. Moreover, MoEF&CC has been requested to drop/modify the condition. Annexure-III
VIII	Public hearing and Human health issues	

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i.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.	Private land undergoing acquisition by GoHP as per the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013. R&R plan for Shimla and Mandi stands approved. Further, financial provision against the plan has been remitted with the State Authority. Annexure-XVIII
ii.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in to.	<ol style="list-style-type: none"> 1. The health check-up camp organizes for women at Marola and financial assistance amounting to Rs. 25,000/- is proposed to be sanctioned in favour of M/s Mahila Shakti Mandal. 2. Swachhta kits were distributed to safaai workers of Nagar Panchayat, Sunni and other safaai workers by Sh. Rajiv Kumar, Chief General Manager/ HOP- SDHEP. 3. Awareness session on personal hygiene & general health check-up camp at Project affected villages in SDHEP. 4. Health awareness programme organized on the topic "personal hygiene" for Employees & swachhta workers at SDHEP office Sunni. (Annexure-XIX)
iii	Preventive measures viz, fuming and spraying of mosquito control shall be done in and around the labor 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 complied. A Fumigant fogger used at Project site.
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 complied.
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 site.	Being complied.
vi	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	Noted please.
vii.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Breaks Analysis.	Noted please.
IX Corporate environment responsibility		
i.	Skill mapping be undertaking for the youths of the affected project area and based on the skill mapping, necessary trainings to the	Under its Corporate Social Responsibility (CSR) and community development initiatives, SJVN Limited is sponsoring the

	<p>youths be provided for their long-time livelihood generation.</p>	<p>education and training of students belonging to project-affected villages in the districts of Shimla and Mandi.</p> <p>The sponsorship covers students enrolled in various Govt. Industrial Training Institute (ITI) trades such as Electrician, Fitter, Surveyor, and other technical courses.</p> <p>The details of the sponsored batches are as follows:</p> <p>FY 2023–2025 Batch: 19 students FY 2024–2026 Batch: 8 students FY 2025–2027 Batch: 14 students</p> <p>Each selected student receives a monthly stipend of ₹2,000, and all college/tuition fees are borne by SJVN.</p>
ii.	<p>The company shall have a well laid down environmental policy duly approved by the board of directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental /forest/wildlife norms/conditions. The company shall have defined system of reporting infringements /deviation/violation of the environmental/forest /wildlife norms/conditions and/ or shareholder/Stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six -monthly report.</p>	<p>The SJVN has a well laid down Environment Policy duly approved by the Board of Directors.</p>
iii.	<p>A separate environmental cell both at the project and company head quarter level, with qualified personnel shall be set under the control of senior executive, who will directly report to the head of organization.</p>	<p>Environment cells at the project and company headquarter level with qualified personnel have already been established.</p>
iv	<p>Action plan for implementing EMP and Environmental conditions along with 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 separate account and not to be diverted for any other purpose of implementation of action plan shall be reported to the ministry / regional office along with the six-monthly compliance report.</p>	<p>Being complied Responsibility Matrix for implementing EMP and Environmental conditions has been prepared and approved by Competent Authority.</p>
v	<p>Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the ministry after five years of commissioning of the project.</p>	<p>Noted please</p>
vi	<p>Multi - disciplinary committee (MDC) be constituted with experts from ecology forestry, wildlife, sociology, soil conservation, fisheries, NGO etc. To oversee implementation of various environmental</p>	<p>The experts are finalized, list of which has been sent to the MoEF&CC. The MoEF&CC has directed that the same be forwarded through the HP Forest Department.</p>

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	guards proposed in EIA/EMP report during construction of the project. The monitoring report of the committee shall be uploaded in the website of the company.	Accordingly, it has been sent to the HP Forest Department for further action (copy enclosed as Annexure – XX).
vii	Formation of water user association / Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes.	Not Applicable. The proposed project is for hydropower generation and not for irrigation facilities. MoEF&CC has been requested to modify/drop the condition. Annexure-III
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 5 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.	Complied
ii.	The copies of the environmental clearance shall be submitted by the project proponents of the heads of local bodies, panchayats and municipal bodies in addition to the relevant offices of the government who in turn has display the same for 30 days from the date of receipt.	Complied
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 half yearly basis.	Being complied
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.	Being Complied. Last compliance report for period ending March, 2025 was submitted on 19.05.2025.
v.	The project proponent shall submit the environmental statement or 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 website of the company.	The project is under construction stage and the Environment Statement applicable after the commencement of project shall be supplied.
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. vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State	The investment approval for the project has been accorded by Govt. of India and the same has been communicated to the concerned authorities vide letter no. SJVN/SDHEP/Envt.&Forest/F-02/2023-652 dated 06.02.2023. Other stipulations & commitments shall be complied.

	Government. 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.	
vii	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).	Noted please
viii	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.	Noted please
ix	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted please
x	The ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted please
xi	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.	Noted please.
xii	The above condition shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous 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.	Noted please
xiii	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.	Noted please

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Annexure-I



एसजेवीएल लिमिटेड

हि.दी.एल. सिद्धयुक्त 'A' शीर्षक
निगमित पर्यावरण विभाग
IS:ISO 9001:2015 Certified

SJVNL/ENV/001/388

प्रादेशिक निर्देशक,
निगमित पर्यावरण विभाग,
मंत्रालय, भारत,
क्रि.प्र. भिखना, हिमाचल प्रदेश - 171006
फोन नं. 0177-2660180
(वेब: www.sjvnl.com)
env@sjvnl.com

Dated: 07/01/2021

To

Member Secretary,
River Valley and Hydroelectric Projects,
MoEF&CC, Govt. of India,
Indira Paryavaran Bhawan, Jor Bagh,
New Delhi - 110003
E-mail: yogendra78@nic.in

Subject: Environment Clearance I.r.o Sunni Dam HEP (382 MW): Submission of response to Additional Details Sought (ADS) dated 14.01.2021.

Sir,

This is with reference to your e-mail dated 07.01.2021 in respect of Sunni Dam HEP (Proposal No. IA/HP/RIV/63789/2017) vide which it was requested to provide reply of ADS dated 14.01.21. In this regard, point-wise reply to ADS dated 14.01.2021 is given below:


S.No.	Conditions vide letter dated 14.01.2021	Reply
1	Submission of Stage-I Forest Clearance to Ministry for grant of Environment Clearance	Stage - I FC has been accorded by MoEF&CC on 22.12.2021 (Copy enclosed)
2	Commitment made during Public Hearing be made part of EMP under Local Area Development Plan	Revised Local Area Development Plan incorporating commitments made during public hearing submitted to MoEF&CC on 05.01.2021 (Copy enclosed)
3	Extension of validity of EC recommendation.	Stage-I FC letter submitted within one year. Hence, not required.
4	Proof of conservation plan for Schedule-I species	Copy of Wildlife Conservation Plan submitted to PCCF (Wildlife) on 05.01.2021. (Copy enclosed).
5	Water Availability approval from CWC	Copy of CWC letter dated 20.07.2017 enclosed.

Therefore, it is requested to kindly issue the letter for Environment Clearance I.r.o Sunni Dam HEP (382 MW) at the earliest.

Yours sincerely,

(V. Sankaranarayanan)
Executive Director
Corporate Environment Department

Documents Attached: As above

<p>एसजेवीएन लिमिटेड SJVN Limited NAVRATNA CPSE (A Joint venture of Govt. of India & Govt. of Himachal Pradesh) CIN:L40101HP1988GOI008409 सुनी डैम हाईड्रो पावर प्रोजेक्ट Sunni Dam Hydro Power Project</p>	
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File No.: 16/10/01/003- 68

Dated: 03-07-2025

To

The APCCF – Cum CEO,
 H.P State Authority (CAMPA),
 H.P. Forest Department, Talland,
 Distt. Shimla, H.P. – 171001
 Email: hpstatecampa@gmail.com

Subject: Wildlife Conservation Plan for Schedule-I Faunal species and Rare Endangered and Threatened Plant (RET) species of project area for Sunni Dam HEP (382 MW). – Regarding fund deposition.

Respected sir,

As per the environmental condition titled “Standard EC Conditions for River Valley and Hydroelectric Projects,” Sr. No. 'I' – Statutory Compliance, Point No. (iii), “The project proponent is required to prepare a site-specific conservation plan and wildlife management plan, to be approved by the Chief Wildlife Warden. The recommendations of the approved plan must be implemented in consultation with the State Forest Department, and an implementation report is to be submitted along with the six-monthly compliance report (in case Schedule-I species are present in the study area).

In compliance with the above condition, the Wildlife Conservation Plan for Schedule-I faunal species and rare, endangered, and threatened (RET) plant species related to the above-mentioned has been approved by Wildlife Division of HP Forest Department. The total cost of the plan is amounting to **Rs. 105.00 lakh**, as per reference letter no. WL (Misc.)-60/HEP/Vol-XI dated 09.04.2024 (copy enclosed as Annexure-I).

परियोजना कार्यालय: सुन्नी जिला-शिमला-171301
 दूरभाष: 0177-2786586, Fax No.: 0177-2786895, www.sjvn.nic.in
 कारपोरेट मुख्यालय: शक्ति सदन, शानान, शिमला-171006 (हि. प्र.)
 अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

Project Office: Sunni, District Shimla-171301
 Tele: 0177-2786586, Fax No.: 0177-2786895, www.sjvn.nic.in
 Corporate H.Q.: Shakti Sadan, Shanan, Shimla-171006 (HP)
 SAVE ENERGY FOR BENEFIT OF SELF AND NATION.

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In this regard, you are kindly requested to provide the necessary details for depositing the
aforementioned amount, so that the implementation report can be included in the upcoming
six-monthly compliance report.

Above is with reference to letter from Principal CCF Wildlife and CWLW, HP, Shimla, vide letter
no. WL (Misc.) – 60/HEP/Vol-XI dated 21.06.2025 (copy attached as **Annexure-II**).

With regards,

Thanking You,
For & on behalf of SJVN


General Manager (Envt.),
SJVN, SDHEP, Sunni

DA: As above

/385017/2024

No. WL (Misc.)-60/HEP/Vol-XI/ _____
Himachal Pradesh Forest Department.

Dated Shimla-171001, the

From: Principal CCF Wildlife and
CWLW, HP, Shimla

To: General Manager,
Env. & Forest Deptt.,
SJVNL, SDHEP, Sunni,
Distt. Shimla, Himachal Pradesh.

**Subject:- Regarding Wildlife Conservation Plan for
Schedule-I Faunal Species & Rare Endangered
and Threatened Plant (RET) Species of Project
Area for Sunni Dam HEP (382 MW).**

Sir,

Please refer to your office letter No. SJVN/SDHEP/Envt.
& Forest/F-03/2024-965 dated 04.04.2024 on the subject cited
above.

The Wildlife Conservation Plan for Schedule-I faunal
species & Rare Endangered and Threatened Plant (RET) species
for the above proposal amounting to Rupees 105.00 lakh is
hereby approved. Further action to implement the Plan may be
initiated immediately under intimation to this office.

Encls: As above.

Signed by
Rajiv Kumar

Date: 09-04-2024 18:23:28
Pr. Chief Conservator of Forests (WL) &
Chief Wildlife Warden H.P. Shimla-1

WILDLIFE CONSERVATION PLAN FOR SUNNI DAM HEP (382 MW)

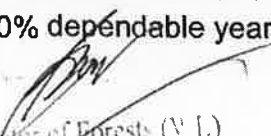
1.1 Introduction

Sunni Dam Hydro Electric Project" (382 MW) is a run of the river type project to harness the hydro power potential at river Satluj. Being an ROR type of the project and majority of the construction of components located in a compact block of approx. 500 m x 200 m patch, the project is having inherited ecofriendly advantage and reduced impact on ecology and surrounding biodiversity. Only a small portion of the diverted area will be used in construction and no major change in other areas will be done and hence, the biodiversity and wildlife of the surrounding area and the area diverted for this project will be least impacted. However, as per the statutory requirement of Environment Clearance granted to the Sunni Dam HEP and as a part of EIA-EMP, the conservation plan and wildlife plan has been prepared. The primary objective of this plan is conservation of Wildlife and Biodiversity in the project surrounding area and promote sustainable use of natural resources, which involves scientific management of natural wealth vis-à-vis developmental activities. The threats to natural terrestrial and aquatic ecosystems generally arise due to by anthropogenic activities that may arise because of construction and associated activities of proposed project. A detailed conservation and management plan has been proposed and the main objectives of said plan are as follows:

- Maintenance of ecological balance through preservation and restoration of wherever it has been disturbed due to project developmental activities
- Conservation and preservation of natural habitats in surrounding area
- Rehabilitation of critical species including RET species if any, with provisions for in-situ or ex-situ conservation of critical/ important plant/ animal species,
- Mitigation and control of project induced biotic and/or abiotic pressures/influences that may affect the natural habitats,
- Habitat enhancement in project catchment area by taking up afforestation and soil conservation measures,
- Creating all round awareness regarding conservation and ensuring people's participation in the conservation efforts and minimizing man animal conflict.

1.2 Brief Description of Sunni Dam HEP and its Importance

Sunni Dam Hydro Electric Project" (382 MW) is a run of the river type project and envisages construction of a concrete gravity dam of ± 71 m high from river bed level across Satluj river near Khaira village and an underground powerhouse on the right bank. The project with a proposed installation of 382 MW would afford design energy generation of 1381.77 GWh in a 90% dependable year.


Pr. Chief Conservator of Forests (W I.)
and Chief Wildlife Warden (H I.) - Shimla

The State of Himachal Pradesh has vast hydroelectric power potential in its five major rivers. The rivers and their tributaries with steep gradient continue to challenge planners and engineers for optimal exploitation of hydropower potential. The rapid generation of hydroelectric power as per its potential will improve the economic health of the state because 12% free power plus 1% LADF on all new installations will increase the resources of the state to a significant extent. The need for the Sunni Dam HEP, installed capacity 382 MW, in the Satluj Basin, has therefore been considered in context of power shortage in the Northern region in general and in the country as whole.

1.3 Protected Area in surrounding, if any


No Wildlife Sanctuary or National Park declared protected under "The Wildlife Protection Act, 1972" is located within 10 km from the Project Boundary. This was also mentioned in TOR Letter No. J-12011/14/2017-IA-I Serial no 3, "No Reserve Forest, Wildlife Sanctuary etc. is present within 10 km radius of the proposed project". Only Majathal Wildlife Sanctuary is about 15.5 Km away from the dam site, therefore, no wildlife clearance to be obtained from standing committee of National Board for Wildlife (NBWL).

1.4 Biodiversity of the study area

Schedule-I species likely Leopard (*Panthera pardus*) may be present around the area, however, no schedule-I mammalian species According to Wildlife Protection Act, 1972, in the study area was observed during the EIA study. Five (05) mammal species listed in Schedule-II, four (04) species listed in Schedule-III and two (02) species listed in Schedule IV were found. Mammalian species other than Schedule-I species such as Common jungle Cat (*Felis chaus Felidae*), Indian fox (*Vulpes bengalensis Canidae*), Common Languor (*Presbytis entellus Cercopithecidae*), Monkey (*Macaca mulatta Cercopithecidae*) etc. are found in the surrounding area.

Further, one avifaunal species (Peafowl-*Pavo Cristatusis*) reported under Schedule-I of WPA, 1972 and one (01) Herpetofauna species viz., Monitor Lizard (*Varanus bengalensis*) listed under Schedule-I of WPA, 1972, were found and observed. Avifaunal species other than Schedule-I species such as Common mynea (*Acridotheres tritis*), Oriental turtle Dove (*Streptopelia orientalis*), Common Cuckoo (*Cuculus canorus*), Common crow (*Corvus splendens*), Rock Pigeon (*Columba livia*), Spotted dove (*Streptopelia chinensis*), Chukar Partridge (*Alectoris chukaiz*) are found in the surrounding area.

Herpeto-Fauna species other than Schedule-I species such as Common Lizard (*Agama tuberculata*), Common house gecko (*Hemidactylus Brooki*), Indian cobra (*Naja Naja*) etc are also found in the surrounding area.


Pr. Chief Conservator of Wildlife (NBWL)
and Chief Wildlife Warden, Himachal Pradesh

1.5 Conservation Activities and Development Works to be undertaken

Various plans and activities have been suggested for the conservation and preservation of flora & fauna as well as habitats and ecosystem of the region shall be done in the following approaches:

- I. Wildlife conservation & management plan
- II. Fire Protection Measures
- III. Monitoring Committee for periodical review

1.5.1 Wildlife conservation & management plan

During the present survey a total of Two (02) Schedule-I Species including one (01) Herpetofauna species i.e., Common Indian monitor (*Varanus Cengalensis*) and one (01) avifaunal species i.e., Peafowl- (*Pavo Cristatusis*) is reported/observed in the Dam Site and its environs (10 km radius). For conservation of these species, the direct and indirect approach is required to provide effective conservation. This may be achieved by conducting awareness programmes (community and institutional level) for conservation of peacocks and Common Indian monitor in the area and also through organizing competitions/trainings/workshops etc by the Wildlife agencies. Field studies for verification of presence of important flora & fauna. Some provision of rewards to informers for the control of poaching and illegal trade in wildlife, Provision of veterinary care and cages for injured or sick deformed birds and strategies to minimize negative impacts of changing environment in nearby area may also be done in order to maintain healthy environment for these species.

1.5.2 Special Staff or the Protection and Anti-poaching

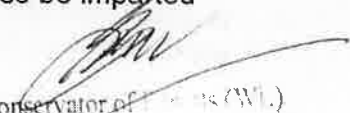
Staffs will be Trained/deployed by the forest department for patrolling and protection of the fauna and flora under their jurisdiction. Each of the trained staff will be equipped with relevant equipment and safety aids. Financial burden for the same has been included in financial projection of this Plan.

1.5.3 Training and Awareness Programme

This is the most important aspect of wildlife conservation. People will be educated regarding the importance of wildlife conservation through mass publicity by installing sign boards, conducting audio visual classes and distributing literature in respective villages in the Study area. Experts in the field of wildlife conservation will also be invited to deliver talks through slides.

1.5.4 Staff Development and Capacity Building

Under this sub-head specialized training in the field of management planning, park interpretation through conducting workshops / seminars / study tours for appraisal of good practices followed in other reserves. Apart from this training in the use of GIS systems and anti-poaching operations shall also be imparted


Pr. Chief Conservator of Forests (W.L.)
and Chief Wildlife Warden, Kerala

1.5.5 Upgradation and Modernization of Facilities

The treatment, rehabilitation & protection of animals and wildlife requires continuous efforts in improvement in facilities of Rehabilitation centres, Sterilization centres & Treatment centres. The upgradation of these facilities helps in fostering animal conservation.

1.5.6 Reducing Man Animal Conflicts

The villages near forest have small chunk of agricultural land and people are mainly depending upon rain fed crops. Wild animals often damage their crops which is the main man-animal conflict around the area. Training and workshops shall be conducted for Forest Staff and Communities to develop their knowledge and reduce the chances of Man Animal Conflict. Besides this, crop protection structures can be erected at prominent places and cages/traps to catch problematic animals can be deployed. Budget for the same has been kept under training and equipment purchase outlay of this plan.

1.5.7 Protection and Development of Habitats

The activities which may damage the habitat will be kept on watch. Conservation and Mitigation measures as per requirements shall be taken to protect Natural Habitat of Flora and Fauna.

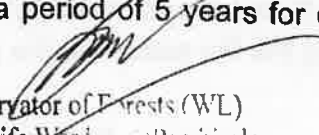
1.5.8 Procurement of Equipment

Various wildlife research and monitoring equipment such as equipment Nets, tranquilizers, cage & Vehicles will be procured for proper rescue and translocation of wildlife during emergency situation

The following conservation measures are proposed.

- Study Tour for Communities / officials
- Capacity Building training for Officials/Communities
- Information, Education and Communication (IEC) material for wildlife awareness
- Specific Studies as per decision of Chief Wildlife Warden (CWW)
- Purchase of Equipment such as Tranquilizer Guns, Trap Cameras, Cages Nets etc
- Conservation programs for Natural Habitats
- Incentives to Informers of Illegal hunting /poaching of animals
- Fencing of natural habitat to check the encroachment of shrinking habitat
- Strengthening of translocation centres of the district by one-time financial aid.

The activities shall be done for a period of 5 years for conservation of Wildlife and Biodiversity


Pr. Chief Conservator of Forests (WL)
and Chief Wildlife Warden (IP) Shimla

Financial Projection of Conservation and Preservation Measures

To implement the conservation plan, above works are proposed within forest area. To improve the habitat and conserve the flora and fauna following items of works are proposed and tentative financial allocation for the same is given in Table 2:

Table 1: Budget Allocation for Conservation and Preservation Measures


S.No	Activities	Budget to be allocated (INR) in Lakhs
1	Information, Education and Communication (IEC) material and Organising Wild Life Awareness Programmes for conservation of Natural Habitats and awareness of local people along with procurement of resources for local/communities/institutions	15.00
2	Study Tour for Communities / officials for Wildlife knowledge enhancement	10.00
3	Establishment of trained teams via Capacity Building Training and Emergency Response Training of Teams	10.00
4	Purchase of equipment's such as Nets, tranquillizers equipment, Emergency Response Equipment and Cages etc. for proper rescue and translocation of wild animals	10.00
5	Specific Studies as per decision of Chief Wildlife Warden (CWW)	5.00
6	Upgradation of MSC Tutikandi for Monkey Sterilization	30.00
7	Upgradation of Quarantine Facility Kufri Zoo	5.00
8	Squeeze cages for RR Tutikandi (3no.)	5.00
	TOTAL	90.00 Lakh

Table 2: Year Wise utilization % of Funds

Sr. No	Year	%age of funds utilization
1	1 st	30 %
2	2 nd	30 %
3	3 rd	20 %
4	4 th	10 %
5	5 th	10 %

1.6 Fire Protection Measures

Himachal Pradesh witnesses the fury of forest fire every year which causes destruction to thousands of acres of forest land every year. As part of the wildlife management plan SJVN shall allocate a budget of INR 10.00 lakh for fire protection measures which can be utilized by the State Forest Department for early detection, control and management of forest fire during the fire season in the project districts.


Pr. Chief Conservator of Forests (CWF)
and Chief Wildlife Warden (CWW) Smaula

1.7 Monitoring Committee

The monitoring and evaluation of conservation plan and wildlife conservation & management plan of Sunni Dam HEP will be carried out by a Monitoring Committee.

The activities of Committee shall be under the direct administrative control of the Chief Wildlife Warden/Principal Chief Conservator of Forests, Himachal Pradesh. The committee will comprise of the following members:

Chief Wildlife Warden/Principal Chief Conservator of Forests, Himachal Pradesh	Chairman
Head of Project or his/her representative	Member
Divisional Forest Officers	Members(s)
Renowned wildlife expert	Member
Local body representative at least two panchayats one from each district (on rotational basis)	Members(s)

The Chairman of the committee will have the right to assign various activities to various members for proper functioning and result-oriented tasks. The committee will monitor the progress of the proposed plan. Total financial outlay for the Committee would be INR 05.00 lakhs only.

1.8 Good Practices during project Construction

For supporting the efficient and effective implementation of the wildlife conservation management in the project area, conservation and management of the wildlife habitat and population the following good practices will be adhered by contractor and the SJVN during construction period.

- Adequate measures to prevent exposure of any of local floral and faunal species from the wastes generated during construction activities must be ensured through the immediate wastes collection and storage of waste on designated location;
- Construction vehicles should use the designated Right of Way (RoW) only at all times to minimize soil compaction and impacts on vegetation;
- Use dust screens in the construction site during all construction activities.
- The Project authority will be bound by the rules and regulations of the Wildlife Protection Acts or any such agency of the State, which may exist or will be promulgated from time to time for the preservation of habitats and protection of biodiversity.
- Temporary construction facilities (TCF), site office and material laydown yard should be constructed in low vegetation areas and away from wildlife habitats. Further, efforts should be made to minimize the footprint of the TCF using appropriate technologies such as provision of energy-efficient lighting, waste & water management in accordance to applicable standards of the state and central govt.
- All workers of project will be provided with identity cards and would not be allowed to enter in forest areas and villages without a valid permission. The exploitation of forest produce including fuel wood and plant species would be prohibited.


Pr. Chief Conservator of Forests (WL)
and Chief Wildlife Warden (HW) Shimla

- Use regular dust suppression (water and dust stop powder etc.) in the designated Right of Way and construction areas to reduce/minimize dust generation
- Considering the movement of wild animals at night, project proponent shall adopt a controlled blasting. Workers will be encouraged to remove alien and invasive plant species from the working sites. The workers will be discouraged to plant any alien species in project areas.
- Any construction, chemical, or hazardous wastes generated during the construction stage should be appropriately collected, stored, and disposed of to minimize exposure to flora and fauna.

1.9 Cost Estimates

The overall cost of works under site specific conservation plan and wildlife conservation & management plan for Sunni Dam HEP (382 mw) would be INR 105.00 Lakh as given in table-3

Table 3: Estimated Cost of conservation plan and wildlife conservation & management

S.N.	Item	Amount (Rs. Lakh)
1.	Conservation Plan for Wildlife	90.00
2.	Fire Protection Measures	10.00
3.	Monitoring Committee	05.00
	Total	105.00 Lakh


 P. Chief Conservator of Forests (W.L.)
 and Chief Wildlife Warden (IIP) Simla



एसजेवीएन लिमिटेड

मिनी-स्टल शिड्यूल 'A' पीएसयू
निगमित पर्यावरण विभाग

ISO 9001:2015 certified

कार्यालय:

नगरपालिका निर्देशक,

निगमित पर्यावरण विभाग,

शक्ति भवन, जयपुर,

बिना शिमला, हिमाचल प्रदेश - 171006

उत्तरीपिन - 0177-2660120

ईमेल - sjvn.eco@sjvn.nic.in, sjvn.eco@gmail.com

SJVN/CC/ENV/F38/173

Dated: 27/07/2023

To

Member Secretary,
River Valley and Hydroelectric Projects,
MoEF&CC, Govt. of India,
Indira Paryavaran Bhawan, Jor Bagh,
New Delhi - 110003
E-mail: yogendra78@nic.in

Subject: Corrigendum in Environment Clearance (EC) of Sunni Dam HEP - Regarding.

Sir,

This is with reference to Letter No. J-12011/14/2017-IA-I (R) dated 04.02.2022 (EC Identification No.: EC22A003HP169821) vide which Environment Clearance (EC) was granted to Sunni Dam HEP (Annexure-I) with certain conditions. In this regard, while going through these conditions some modifications are required to be made which are being tabulated below:

S. No	Condi on No.	Conditions	Modification Required
1	4. [A] vi.	Possibility of fish pass/ladder for migration of fish shall be explored in consultation with CIFRI/WII.	The project envisages construction of a 71 m. high concrete gravity dam with dam toe powerhouse on the right bank of Satluj river in Shimla and Mandi districts of Himachal Pradesh and NOC from Directorate of Fisheries, GoHP was issued on 14.06.2018. Because of 71 m dam height, possibility of a fish ladder/pass is unfeasible. As per IS 11223-1985, dams greater than 30 m. are considered as large dams (Annexure-2). Furthermore, as per CWC guidelines for maintaining longitudinal connectivity through dams; in dams where fish ladder/bypass channel/lift, etc. is not suitable due to technical constraint of height and site topography, other conservation measures such as creation of fish hatchery/fish farm may be considered (Annexure-3). Accordingly, due to topographical and technical limitations, reservoir fisheries/fish stockings were proposed in the project instead of fish ladder in discussion with State Fisheries Department. The same was also discussed and reviewed during the EAC meeting held on 30 December 2020 (Annexure-4).
2	5. VII. vi.	Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness.	

3	5. III. i	Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system.	<i>It is therefore proposed that the said conditions may be deleted.</i> This condition may have been included inadvertently here as it applies to irrigation projects. Sunni Dam HEP is a hydropower project. <i>Therefore, said condition is proposed to be deleted.</i>
4	5. III. ii	Remodelling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collected drains, etc. are to be ensured on priority basis.	This condition may have been included inadvertently here as it applies to irrigation projects. Sunni Dam HEP is a hydropower project. <i>Therefore, said condition is proposed to be deleted.</i>
5	5. III. vi	Mixed irrigation shall be practised and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.	This condition may have been included inadvertently here as it applies to irrigation projects. Sunni Dam HEP is a hydropower project. <i>Therefore, said condition is proposed to be deleted.</i>
6	5. III. vii	On Farm Development (OFD) works like landscaping, land levelling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.	This condition may have been included inadvertently here as it applies to irrigation projects. Sunni Dam HEP is a hydropower project. <i>Therefore, said condition is proposed to be deleted.</i>
7	5. IX. vii	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes.	This condition may have been included inadvertently here as it applies to irrigation projects. Sunni Dam HEP is a hydropower project. <i>Therefore, said condition is proposed to be deleted.</i>

It is requested that MoEF&CC may take cognizance of the above observations and issue necessary corrigendum to EC in favour of the project, please.

Yours sincerely,

for
(V. Sankaranarayanan)
Executive Director
Head of Department (Environment)
Corporate Headquarters,
SJVN Limited

Enclosures: As above

Answer - IV

SR. NO	EQUIPMENT / VEHICLE			REGISTRATION STATUS			DOCUMENT STATUS (VALID UPTO)						REMARKS
	DESCRIPTION	ENGINE NUMBER	CHASSIS NUMBER	DATE	REGISTRATION NO.	RC BOOK	RAOD TAX	FITNESS	PERMIT	INSURANCE VALID UPTO	PUC		
1	Dumper 25T (TATA SIGMA 2890, K)	928956D0107213	MEC941FBDMP104898	29-10-2024	HP 52D 0195		31-10-2024	29-10-2026	15-11-2029	22-08-2025	28-10-2025	CHECKED ONLINE VIA M-PARIVAHAN	
2	Dumper 25T (TATA SIGMA 2923, TK)	928956D0107370	MEC941FBDMP105119	29-05-2025	HP 69F 0430		31-03-2026	27-05-2027	N/A	07-01-2026	27-05-2026	CHECKED ONLINE VIA M-PARIVAHAN	
3	Dumper AMW	928956D0107225	MEC941FBDMP104898	13-10-2014	HP 65B 2927		30-09-2025	12-11-2025	N/A	02-01-2026	22-10-2025	CHECKED ONLINE VIA M-PARIVAHAN	
4	Dumper Benz	928956D0108179	MEC941FBCMP103994	30-04-2020	HP 63E 0828		31-03-2026	06-12-2026	02-05-2028	13-10-2025	28-05-2025	CHECKED ONLINE VIA M-PARIVAHAN	
5	Trailer			24-03-2018	HP 93 1487		31-12-2025	12-11-2025	19-03-2029	18-03-2026	07-10-2025	CHECKED ONLINE VIA M-PARIVAHAN	
6	Welder Tanker (12KL)			18-09-2021	HP 30B 8882		30-08-2025	17-08-2025	10-10-2026	15-08-2025	21-11-2025	CHECKED ONLINE VIA M-PARIVAHAN	

No. WL (Misc.)-60/HEPs Vol.-III/ 5219

Himachal Pradesh Forest Department

From:

Principal Chief Conservator of Forests,
(Wildlife)-cum-Chief Wildlife Warden,
Himachal Pradesh, Shimla-171001.

To

The Dy. General Manager (Env.),
Sunni Dam Project,
SJVN Ltd., Bithal,
Vill. Rewali, P.O. Shamathla,
Teh. Kumarsain, Distt. Shimla,
(H.P.)- 172030Dated Shimla-171001, the 06-01-2018

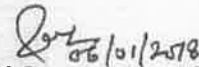

Subject: NOC for Sunni Dam Project.

Sir,

Kindly refer to your office letter No.SJVN/Sunni Dam/Env/FCA-Vol I/2017-2486 dated 08.09.2017 and No.SJVN/SDHEP/Env-FCA/2017-1093 dated 22.11.2017 on the subject cited above.

2 As per field report and the recommendation of CCF (WL) South Shimla, the area proposed for setting up the project does not fall within the boundary of Majathal Wildlife Sanctuary and is located at a distance of 15.5 km from the boundary of Majathal Wildlife Sanctuary. Hence necessary "No Objection Certificate" (NOC) from the Wildlife point of view is hereby issued in your favour for the construction of Sunni Dam Project (373 MW).

Yours faithfully,


Principal Chief Conservator of Forests,
(Wildlife-cum-CWLW, HP Shimla.

E. R. E. Negi
Head of Project
SJVN. LHEP. Bithal

Endst. No. WL (Misc.)-60/HEPs/Vol.III/ _____ Dated _____

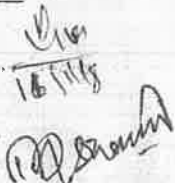
Copy to CCF WL Circle (S) Shimla w.r.t. his Memo. No. M-47/4481 dated 28.12.2017 for information please.

S.M.G. (ENV)


Principal Chief Conservator of Forests,
(Wildlife-cum-CWLW, HP Shimla.

Env Dept - 1730

12-1-18






H.P.STATE POLLUTION CONTROL BOARD

HIM PARIVESH, PHASE-III, NEW SHIMLA-171009

HPSPCB No : 66

Date: 25/04/2025

Industry Registration ID: HP09377391

Application No : 14595716

To,

Sunni Dam HEP 382 MW
Koldam Colony, Sunni
Sunni
Shimla
171301

Subject: Renewal of 'Consent to Establish' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining Renewal of 'Consent to Establish' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to Establish an industrial unit subject to the Terms and Conditions as mentioned in this Consent letter.

1. Particulars of Consent to Establish under Water Act, 1974 and Air Act, 1981 granted to the industry

Consent No.	CTE/BOTH/RENEW/RO/2025/14595716
Date of issue :	01/04/2023
Date of expiry :	31/03/2026
Certificate Type :	RENEW
Previous CTE/CTO No. & Validity :	

2. Particulars of the Industry

Name & Designation of the Applicant	Sushil Sharma, (Director)
Address of Industrial premises	Sunni Dam HEP 382 MW, Koldam Colony, Sunni, Sunni, Shimla-171301
Capital Investment of the Industry	261451.0 lakhs
Category of Industry	Red
Type of Industry	1009-Power generation plant [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW]
Scale of the Industry	Large
Office District	Shimla
Capacity	

Raw Materials (Name with quantity per day)

Raw Materials	Quantity	Unit
Water	1416.31 Crore Cubic meter per year	Cubic Meter/Year

Products (Name with quantity per day)

Name of Products	Unit	Quantity	Intermediate Product	Principal Use
Sunni Dam HEP (382 MW)	Number/Year	1	---	Fulfilment of electricity requirement

Details of the Effluent Treatment Plant

Type of Effluent	Capacity	Quantity
STP	70	32

Mode of Disposal

Description	Quantity(in KLD)	Method of Treatment	Method of Disposal
Domestic	32	STP	Irrigation/Gardening

Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.

Type	No.of Boiler/'Heater /Evaporator/Incinerator/DG Set/Other	Capacity	Type of Boiler/'Heater s/Evaporators /Incinerator/DG Sets/Others	Type of Fuel	Fuel consumption rate in MT/hour or KL/hour or M3 /hour
DG Sets	1	125 KVA	DG Set with Acoustic Enclosure	Diesel	20 to 25 Ltr./Hr

Type of Air Pollution Control Devices installed

Equipment Type	Equipment Name	Date/proposed date of installation	Efficiency(%reduction)	Final concentration of pollution being emitted
Exhaust Muffler	Others	2024-01-01	100	0.072 kg/day of PM 10 , 1.296 kg/day of NO X and 0.77 kg/day of CO.

Sources of emissions and type of pollutants

Name and location of the process vessel to which the stack/ vent is attached	Rate of emission in Kg./hr	Concentration of pollution like SO 2 , NOX, H 2 S, Cl, HCl etc. in mg/NM 3	Height of Vent/outlet/stack from ground level in meters
DG Set	0.072 kg/day of PM 10 , 1.296 kg/day of NO X and 0.77 kg/day of CO.	0.072 kg/day of PM 10 , 1.296 kg/day of NO X and 0.77 kg/day of CO.	4.5 mtr.

Approved By



**Chairman
(H. P. State Pollution Control Board)**

Endst. No.:

Copy To:-

Regional Officer, HPSPCB, Shimla for information and shall ensure the operation of the unit as per consent and with adequate PCDs.



ANIL JOSHI Digitally signed
by ANIL JOSHI
Date: 2025.04.25
15:17:08 +05:30

**Anil Joshi, IFS
Member Secretary
For & on behalf of
(H. P. State Pollution Control Board)**

TERMS AND CONDITIONS

A. SPECIFIC CONDITIONS

1. This Consent to Establish is only for the purpose and under the provision of Water Act, 1974 and Air Act, 1981 as the case may be, and will not construed as substitute for mandatory clearances required for the project under any other law/regulation/direction/order and the applicant shall obtain any such mandatory clearance before taking any steps to establish industry/ industrial plant, operation or process or any treatment and disposal system or an extension or addition thereto.
2. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor ~~relieve the applicant~~ from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.
3. The unit shall apply for further extension in the validity of the Consent to Establish, at least two months before the expiry of this 'Consent to Establish', if applicable.
or
The unit shall obtain prior Consent to Operate from the State Board, before starting operational activity and gets its completion plan approved by the Competent Authority (As applicable).
4.
 - i) The unit shall made provisions for the compliance of Waste Management Rules i.e. Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016/ Plastic Waste Management Rules, 2016/ E-Waste (Management) Rules, 2016/Construction & Demolition Waste Management Rules, 2016 and Manufacture, Storage & Import of Hazardous Chemical Rules, 1989 and provisions made thereunder, as amended from time to time, without any adverse effect on the environment, in any manner (As Applicable)
 - ii) The unit shall made provisions for the compliance Solid Waste Management Rules, 2016 and provisions made thereunder and unit shall also not practice burning activity of solid waste/waste generated from fuel within/outside premises, to avoid public nuisance.
5. This 'Consent to Establish' is for:-
 - i) The emissions from all sources conforming to the norms as prescribed in Schedule-I of Environment (Protection) Rules, 1986 as amended from time to time.
 - ii) Noise and Ambient Air Quality shall be maintained within Ambient Air Quality Standards for noise as specified in Schedule-III of Environment (Protection) Rules, 1986 and Noise Pollution (Regulation and Control) Rules, 2000, as amended from time to time.
 - iii) The effluent (Domestic/Industrial) shall conform to the limits as prescribed in Schedule-I or Schedule-VI or Industry specific standards of Environment (Protection) Rules, 1986 as amended from time to time.
 - iv) Sewage and sullage generated from the unit to be disposed-off in a properly designed septic tank system/Sewage Treatment Plant/ Public Sewer System (as applicable).
6. The unit shall install adequate pollution control devices and provide the separate energy meter and flow meter. The unit shall maintain the logbook/ record with respect to operation of pollution control devices (As applicable). The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re-circulation system installed shall be the entire responsibility of the unit.
7. **CONDITIONS UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974.**
 - a) The unit shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
 - b) The unit shall install flow meter and maintain the record regarding the daily water consumption.

- c) The pollution control devices shall be interlocked with the manufacturing process of the industry (if applicable) and the authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board. Unit shall not use any unauthorized out-let(s) for discharging effluents from its premises.
- d) Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed-off in scientific manner.
- e) The unit shall submit a detailed plan showing therein, the distribution system for conveying wastewaters.

8. CONDITIONS UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981.

- a) The unit shall provide canopy and stack of adequate height of the D.G sets so as to control the noise & air pollution in order to comply with the provision of notification No GSR-371 E dated 17-5-2002 or direction as issued by MOEF from time to time, under Environment (Protection) Act, 1986.
- b) The unit shall ensure disposal of boiler ash/fuel ash through authorized person or within premises in a scientific manner (as the case may be) and shall maintain proper record for the same, if applicable.
- c) The unit shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area and emissions from handling, transportation and processing of raw material & product of the industry, as applicable.
- d) The unit shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets as per the specifications.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (De) shall be calculated from the following equation to determine upstream, downstream distance:-

$$De = 2 LW / (L+W)$$
 Where L= length in mts. W= Width in mts.
- ii) The sampling port shall be 7 to 10 cm in diameter
- e) The unit shall submit a detailed plan showing therein, the distribution system for conveying wastewaters.

(i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters

5. *More than 15 ton/hr. to 20* 21 meters ton/hr
6. *More than 20 ton/hr. to 25* 24 meters ton/hr.
7. *More than 25 ton/hr. to 30* 27 meters ton/hr.
8. *More than 30 ton/hr.* 30 meters or using the formula
 $H = 14 Q_g^{0.3}$ or
 $H = 74 (Q_p)^{0.24}$
 Where Q_g = Quantity of SO₂ in Kg/hr.
 Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

9. The unit shall submit on-site and off-site emergency plan approved by the Chief Inspector of Factories, Himachal Pradesh (If applicable)
10. The unit shall provide real time online monitoring equipment's and provisions for the un-interrupted transfer of data as per guidelines of CPCB (if applicable).
11. The unit shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipment's etc. which are likely to cause environmental pollution.
12. The unit shall plant minimum three layer of trees so far possible as per plantation guide (may be download from the website <http://hppcb.nic.in/plantationguide.pdf>) all along the boundary of the industrial premises and check air/water/noise pollution at source.
13. Any guidelines issued by the Central Government/State Government/MoEF/CPCB/SPCB/any other authority concerned, shall be binding.
14. This 'Consent to Establish' is subject to orders on any litigation pending in any Court of Law. Any direction/order issued by any court shall be binding (if any).
15. The Board reserves the right to revoke the 'Consent to Establish' granted to the industry at any time, in case the industry is found violating the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
16. The unit shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

B. OTHER CONDITIONS

1. The unit shall comply with the conditions imposed by the MoEF/State Level Environment Impact Assessment Authority/ District Level Environment Impact Assessment Authority in the environmental clearance granted to it as required under EIA notification dated 14-9-06, if applicable.
2. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
3. Stone Crusher units shall comply with the provisions of guidelines notified by the State Government vide Notification No. STE-E(3)-11/2012, dated 29-05-2014 (If Applicable).
4. Brick Kiln units shall comply with the provisions of guidelines notified by the MoEF vide Notification No. G.S.R.233.(E), dated-15-03-2018 and by the State Government vide Notification No. STE-E(5)-6/2013, dated-07-03-2014 (If Applicable).
5. Hydroelectric Projects shall install Online Real Time Monitoring System for the measurement of 15% of minimum discharge in lean season as per orders of Court/Government. The unit shall also ensure provisions for the regular and uninterrupted transfer of data from the real time online monitoring system for 15% of minimum discharge of flow to SPCB, failing which unit shall be liable for action on account of violation of the directions issued by Court/Government/SPCB in this regard (If Applicable).
6. Unit shall strictly adhere to the capacity approved by the Industries Department/ Department of Tourism & Civil Aviation/any other concerned Authority (As Applicable).
7. The unit shall not cause any nuisance/traffic hazard in vicinity of the area.
8. The unit shall ensure that there will not be significant visible dust emissions beyond the property line.
9. The unit shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
10. The unit shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
11. The unit shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
12. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.

C. SPECIAL CONDITIONS

- 1) The unit shall provide Real Time Online Continuous Flow Measurement System downstream the head works and connect it to the State Board server to ensure 15% minimum discharge of lean season before starting the production.
- 2) The unit shall deposit the EMP funds for 2024-25 within 15 days from issuance of UC for previous year i.e. 2023-24.
- 3) This consent has been issued considering the adequacy of the proposed pollution control devices and waste management systems/mechanism only.
- 4) This Consent of the State Board does not absolve the proponent of his responsibility to take pre-approvals / approvals / prior NOCs / NOCs from other deptts./agencies as the case may be, for the violation of which, the State Board bears No responsibility



By Order
Chairman
(H. P. State Pollution Control Board)





Sunni Dam HEP
Updated DPR

Annexure-VII



भारत सरकार Government of India
केंद्रीय जल आयोग Central Water Commission
नीच अभियंत्रिकी एवं विज्ञान विभाग दिल्ली F. E. & S. A. Directorate
आठवीं मंजिल (3), सेवा भवन 11 कृ. पुरम नई दिल्ली 110066
8th Floor (N), Sewa Bhawan, R.K. Puram, New Delhi-110066
दूरभाष / टेली फोन: 011-29583734 ई-मेल / e-mail: fesadte-cwc@nic.in

No. 2/2/2017 (Vol-1)/FE&SA/145

Dated: 11/03/2019

To

Sr. Additional General Manager
Corporate Head Quarter, Shanan,
Shimla-171006(HP)
Email: sajeev.gupta@sjvn.nic.in

**Sub: Site Specific Design Earthquake Parameters for Sunni Dam Hydro Electric Project,
Himachal Pradesh – reg.**

Ref: Your office letter no. SJVN/CC/CD/DH&OMP/182-820-23 dated 27.12.2018.

Sir,

This is with reference to your aforesaid letter vide which the site specific seismic study report of the Sunni Dam Hydro Electric Project, Himachal Pradesh was submitted to the National Committee on Seismic Design Parameters (NCSDP) for approval.

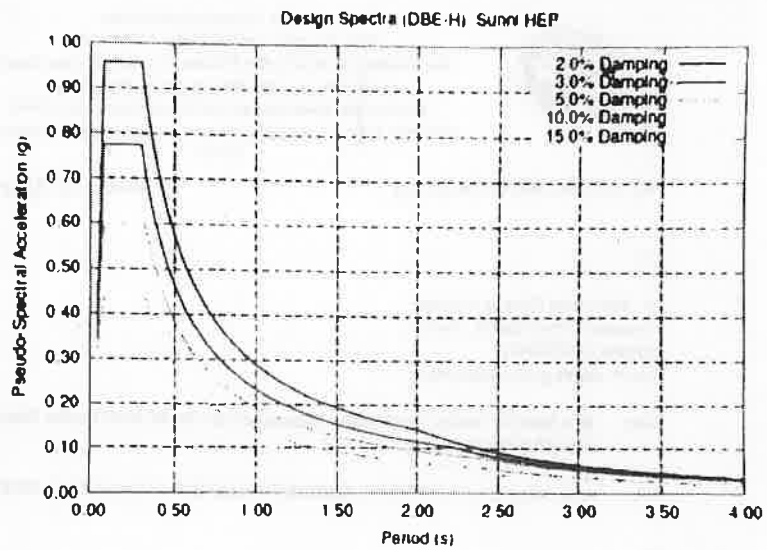
The NCSDP has approved study report of aforesaid project in its 34th meeting held on 26th February, 2019.

Contd.....



The seismic design parameters of Sunni Dam Hydro Electric Project, Himachal Pradesh summarized in the Minutes of the NCSDP meeting are reproduced below:

(a) Response Spectra (DBE-H)



(b) Other seismic parameters

Max. Credible Earthquake	8.0	Horizontal distance to surface projection of fault (R_h) (km)	5
Horizontal seismic co-efficient (α_h)	0.24	Vertical seismic co-efficient (α_v)	0.16
Strong motion duration (second)	9.6	Total duration (second)	48
Report reference	IIT Roorkee Report (EQ: 2018-21; Project No. EQD-6035/17-18, October, 2018)		

It is requested to do the needful for the safe design of the Sunni Dam Hydro Electric Project components as per NCSDP's approval.

Yours faithfully,

(Signature)
11/12/2019
(Goverdhan Prasad)
Director (FE&SA)&
Member-Secy (NCSDP)



सर्वोच्च
Government of India

विद्युत विभाग
Ministry of Power

केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority

विद्युत परियोजना आयोग
Hydro Project Appraisal Division

No. SHEP/CEA/2019/PAC/11/1365

Date: 18.12.2020

OFFICE MEMORANDUM

Subject: Accord of Concurrence to Sumi Dam (1x73 MW+1x73 MW+1x17 MW = 382 MW) Hydro Electric Project in Himachal Pradesh by M/s SJVN Ltd. under section 8 of the Electricity Act, 2003-regarding;

M/s SJVN Ltd. submitted Detailed Project Report (DPR) of the Sumi Dam HEP (1x73 MW+1x73 MW+1x17 MW = 382 MW) in Himachal Pradesh to CEA vide letter dated 09.09.2019 for concurrence. Thereafter, the DPR was forwarded to various appraising groups of CEA, CWC, GSI, CSMRS, MoJS (erstwhile MoWR, RD&CR) for examination of respective aspects. After clearance from all appraising groups, the proposal was considered for accord of Concurrence in the Authority Meeting (No. 05/2020) of CEA held on 23.12.2020 through Video Conferencing (VC) based on the Agenda Note circulated vide CEA letter No. CEA/SY/25-12/2019-PAC/Division dated 18.12.2020.

In exercise of the powers conferred to the Authority under Section 8 of the Electricity Act, 2003, the Central Electricity Authority accords Concurrence to the aforesaid Hydro Electric Project at an Estimated Cost of Rs. 2975.35 Crore (July 2020 PI.) including IDC of Rs. 346.88 Crores & FC of Rs. 8.66 Crores with the following stipulations: -

The cost of the scheme as mentioned above is indicative and may change on account of following as per actual:-

- a) Price Escalation
- b) Change in law
- c) Change in quantities (duly approved by competent authority) due to Geological Surprises.
- d) Foreign Currency Exchange Rate

2. The abstract of approved Project Cost along with the tentative Financial Package and details of Cost of Civil Works, E&M and A/S (Associated Transmission System) Estimates are furnished at Annex I, I (A), I (B) and I (C) respectively. The salient features of the scheme are given at Annex II.

3. This Concurrence is subject to fulfillment of the following conditions:

File No.CEA-SY-25-12/1/2019-PAC Division

- (i) M/s SJVNL shall comply to the suggestions/observations of Central Water Commission (CWC) on aspects of Hydrology, Dam Design, Hydel Civil Design, Foundation Engineering & Seismic Aspects and Inter-State etc. as given in Annex -III and as incorporated in the final DPR.
- (ii) M/s SJVNL shall comply to the suggestions/observations of Central Electricity Authority (CEA) on aspects of E&M design & Power Evacuation etc as given in Annex - IV and as incorporated in the final DPR.
- (iii) M/s SJVNL shall comply to the suggestions/observations of GSI as given in Annex-V and as incorporated in the final DPR. M/s SJVNL shall complete balance explorations/investigations, if any, as suggested by GSI. Results of explorations/investigations shall be communicated from time to time for concurrence of CEA/CWC/GSI regularly. Cost for changes required consequent to investigations shall be absorbed by M/s SJVNL.
- (iv) M/s SJVNL shall comply to the suggestions/observations of Central Soil & Materials Research Station (CSMRS) on Construction material & Geotechnical aspects as given in Annex -VI and as incorporated in the final DPR. M/s SJVNL shall complete balance explorations/investigations and should be submitted for review and the progress of all the pending investigations must be reported periodically to CSMRS & CEA.
- (v) In case, any change in e-flows is suggested by MoEF&CC in future, M/s SJVNL shall review the installed capacity & design energy of the project and furnish the same for appraisal to CEA before commencement of construction of the project. For projects where construction already started/commissioned, M/s SJVNL shall review the design energy and furnish the same for appraisal of CEA.
Further, M/s SJVNL shall also review the design energy based on revised hydrology on commissioning of the project and thereafter at interval of every 10 years and furnish the same for appraisal of CEA.
- (vi) In case geological surprises in underground works are met, M/s SJVNL shall systematically maintain a record of geological surprises, those are encountered. At the same time, M/s SJVNL shall request the State Govt. to constitute an expert committee consisting of representatives from State Govt., GSI, CWC, CEA etc. Once a committee is constituted, M/s SJVNL shall submit their proposal for the enhanced cost to the expert committee, which in time shall examine and recommend impact on the cost thereof.
- (vii) M/s SJVNL shall use the seismic design parameters approved by National Committee on Seismic Design Parameters (NCSDP) for design purposes.
- (viii) In case, changes are made in design parameters, during construction, due to site conditions or otherwise, the same shall be intimated and got concurred from the Authority (CEA) before M/s SJVNL implements such changes.
- (ix) Tariff of the project shall be as determined/ adopted by the appropriate Electricity Regulatory Commission.
- (x) M/s SJVNL shall obtain Environmental and Forest clearance from MoEF&CC and shall submit a copy to CEA.

for obtaining their clearance.

- (xii) M/s SJVNL shall comply with the conditions as mentioned in the Ministry of Water Resources, RD&GR (now Ministry of Jal Shakti) letter no.15011/1/2015-PP Dated 13.12.2015 (the corrected letter as forwarded by MoWP, RD&GR, vide letter no.1. 15011/1/2015-PP Dated 22.12.2016, copy attached at Annexure-VII) for project design and shall ensure adequate e flow for different months as prescribed by MoWR&G particularly during lean months and longitudinal connectivity.
- (xiii) As per RSM-2 Dir., CWC letter dated 15.10.2019, there should not be any consumptive use of water as no allocation of Satluj water has been made to State of Himachal Pradesh as per Bhakra Nangal Agreement, 1959 and other conditions mentioned in BBMB letter dated 13.01.2012 (Copy enclosed at Annex-VIII).
- (xiv) If any impact on wild life is observed, M/s SJVNL would obtain clearance from National Board of Wild Life and shall submit the same to CEA.
- (xv) If Scheduled Tribe population is getting affected at project site, clearance under Forest Right Act/Ministry of Social Justice & Empowerment/ Ministry of Tribal Affairs, Govt of India/State Government shall be obtained by M/s SJVNL and shall submit the same to CEA.
- (xvi) M/s SJVNL shall take appropriate precautions to avert flooding of powerhouse by adopting measures listed at Annexure - IX.
- (xvii) M/s SJVNL shall take appropriate preventive measures of Disaster Management in case of Dam failure or sudden release of water as per conditions contained in Annex-X.*
- (xviii) M/s. SJVNL shall obtain the clearance from Ministry of Defence & shall comply with the conditions stipulated therein.
- (xix) M/s SJVNL shall obtain clearance from Ministry of Home Affairs regarding participation of foreign companies in tender works packages and shall comply with the conditioned stipulated therein.
- (xx) M/s SJVNL have obtained clearance from International angle from Ministry of Water Resources, RD&GR (now Ministry of Jal Shakti) vide letter no. Y. 19011/1/2015-PP/1027-30 Dated 12.03.2018. M/s SJVNL shall comply with the condition stipulated in the clearance letter (copy attached at Annex-XI).
- (xxi) M/s SJVNL shall comply with the guidelines for participation of foreign Companies in tendering for work packages of Hydro Electric Projects in sensitive areas, issued by Ministry of Power vide No. 1/1/2002-100(NHPCY) [Vol. II], dated 03.09.09, approved at Annex-XI.
- (xxii) M/s SJVNL shall deploy modern tools / software for construction monitoring of the project by establishing IT based monitoring systems and linking the same to CEA network.

File No. CEA-SY-25-12/1/2019-PAC Division

- (xxiii) M/s SJVNL shall ensure availability of adequate quantities of rock/sand from quarries/excavated muck/borrow areas to meet the requirement of coarse & fine aggregates for both wearing & non wearing surfaces.
- (xxiv) Fly ash and fly ash based products shall be used in the construction of various works to the extent possible in accordance with MoEF notification dated 14.09.1999 and its amendment dated 27.08.2001 and as revised on 06.11.2003. Construction material surveys shall include the required investigations for use of fly ash and fly ash based products in various works, infrastructure facilities etc. and their feasibility shall be ascertained by M/s SJVNL.
- (xxv) M/s SJVNL shall submit the final updated DPR to the concerned State Governments, appropriate Electricity Regulatory Commission and the Transmission Utility under intimation to the Authority. M/s SJVNL shall also forward a copy of final updated DPR to co-basin States and Indus wing of MoES under intimation to the Authority.
- (xxvi) Information in respect of tying up essential inputs/statutory clearances, results of investigations/studies shall be submitted by M/s SJVNL to CEA/CWC/GSI/CSMRS on receipt of same from time to time.
- (xxvii) The broad technical aspects of the project proposal in the project report have been scrutinized in CEA in consultation with CWC, GSI, CSMRS and other concerned agencies. The scrutiny is based on the data, assessment and certificates presented in the report and information/clarifications received as compliances to the observations on the assumption that the data and information furnished are accurate and have been collected reliably by the project authorities from dependable sources and/or after carrying out detailed surveys and investigations as presented in the report.
- (xxviii) Project is scheduled to be completed within 63 months from the zero date of D1st June, 2021.
- i) Unit wise commissioning schedule of the project is given below:
- Unit-I (73 MW) : 61 months
 - Unit-II (73 MW) : 61 months
 - Unit-III (73 MW) : 62 months
 - Unit-IV (73 MW) : 62 months
 - Unit-V (73 MW) : 63 months
 - Unit-VI (17 MW) : 63 months
- (xxix) In case time gap between Concurrence accorded to the scheme by CEA and award of one of major civil packages (either Dam or HRE or Powerhouse) by M/s SJVNL is three years or more, a fresh Concurrence of CEA shall be obtained by M/s SJVNL.
- (xxx) The project developer has to approach CTU to seek connectivity/Outgoing Term Access (ETA) as per CERC regulations at least five years before the anticipated commissioning of the project. The transmission system for the project would be lined up after grant of ETA, as per CERC Regulations. The developer must

File No.CEA-SY-25-12/1/2019-PAC Division

1. Chairman-cum-Managing Director, M/s SJNV Ltd., Corporate Office Complex, Shunan, Shimla-171006 (HP)
2. Secretary, Ministry of Power, Govt. of India, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110119.
3. Secretary, MoEF&CC, Government of India, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi - 110003.
4. Chairperson, Central Electricity Regulatory Commission, 3rd & 4th Floor, Chandernagore Building, 36, Janpath, New Delhi-110001.
5. Chairperson, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi - 110066.
6. Chairperson, Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi - 110066.
7. Principal Secretary (MPP&Power), Department of Power, Government of Himachal Pradesh, Shimla-171002
8. Chairman-cum-Managing Director, Power Grid Corporation of India Limited, Saudamini, Plot No.2, Sector 29, Gurgaon - 122001 (Haryana).
9. Adviser (Energy), Neeli Ayog, Yojana Bhawan, New Delhi - 110001
10. Member (Hydro/Planning/Thermal/Grid Operation & Distribution/Economic & Commercial/Power Systems), CEA, Sewa Bhawan, R.K. Puram New Delhi - 110606.
11. Member (D&R), Central Water Commission, Sewa Bhawan, R. K. Puram, New Delhi - 110606.
12. Joint Secretary (Hydro), Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110119.
13. Commissioner (Indus Wing), Ministry of Water Resources, RD&GR, 2nd Floor, Block-3, CGO Complex, Lodhi Road, New Delhi-110003.
14. Chief Engineer (H/A/PSP&PA-I/F&CA/TCO/Legal/HEPR/HPP&I/HE&TD), CEA, Sewa Bhawan, R.K. Puram, New Delhi - 110606.
15. Chief Engineer (PAO), CWC, Sewa Bhawan, R.K. Puram, New Delhi - 110066.
16. Chief Engineer, Design (NW&S), CWC, Sewa Bhawan, R.K. Puram, New Delhi - 110066.
17. Director (GHM&EPE Division), Geological Survey of India, A-11, Pushpa Bhawan, Khandajir Road, New Delhi - 110062.
18. Director, CSIR-CECRI, Olof Palme Marg, Hazratganj, New Delhi-110016
19. Director [PA(H)/Hydrology(H)/CMD(HW&S)/ICD(HW&S)/F&SA/ISM/CA-11WF/CMC/Instrumentation], CWC, Sewa Bhawan, R.K. Puram, New Delhi - 110066

condenser mode.

- (XXXI) Revalidation of Concurrence can also be considered, in case, the reason for delay in award of one of major civil packages (either of Dam/HRT/Powerhouse) is beyond the control of developer. However, proposal for revalidation shall be submitted three months before the expiry of validity of the Concurrence, which is three years from the date of issue of this Concurrence Memorandum.
- (XXXII) Concurrence is subject to compliance by M/s SJVNL, of various policies/guidelines etc. issued by Govt. of India from time to time.
- (XXXIII) M/s SJVNL shall comply strictly the "Public Procurement (Preference to make in India) Order, 2017 (PPP-MH Order)" issued by Department of Industrial Policy and Promotion, Ministry of Commerce & Industry, Govt. of India vide its letter no. P 45021/2/2017-B.E.-II dated 15.06.17. (Copy enclosed at Annex-XIII).
4. Monthly Status Report of compliance of the conditions stipulated under para 3 of this Concurrence letter shall be submitted by M/s. SJVNL to Chief Engineer (HPA), CEA.
 5. Monthly Progress Report of the project shall be submitted by M/s. SJVNL, to Hydro-Project Monitoring (HPM) Division of CEA. Three (3) copies of the half-yearly progress reports on both physical progress of the scheme and expenditure actually incurred, duly certified by statutory auditors shall be submitted to the Authority till the Commercial Operation Date of the plant. The project authorities shall give free accessibility to CEA officers and staff to have on the spot assessment of various aspects of the project.
 6. Monthly status of the project from the date of Concurrence to date of Commercial Operation (CoD) of the project shall be furnished by M/s. SJVNL to Chief Engineer (HPA), CEA as per the proforma enclosed at Annex-XIV.
 7. The Authority reserves the right to revoke this Concurrence, if the conditions stipulated in this Office Memorandum are not complied with to the satisfaction of the Authority.

Encls: Annexures I, I (A), I (B), I (C) II, III, IV, V, VI, VII, VIII, IX, X, XI, XII, XIII & IV.

(V.K. Mishra)
Secretary, CEA

To,
As per list



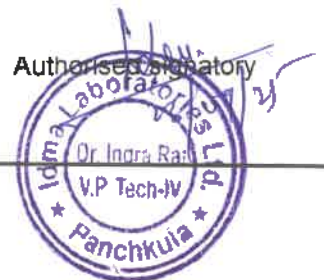
TEST REPORT

ULR : TC820725700008639F

Lab No.	190925L-FD-017/A	Page No. 1/3
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh	
Type of Sample#	Drinking Water (RO)	
Customer's Description of Sample#	Drinking Water (RO)	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Barara Camp	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated 24/10/2024
Date of Receipt of Sample	19/09/2025	
Period of Analysis	19/09/2025 To 23/09/2025	
Visual Observation	N/A	
Date of Reporting	23/09/2025	
Testing Protocol	IS 10500:2012 Amdt 1 to 4	

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	8.27	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO ₃)	mg/L	89.76	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.034	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	43.20	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	20.49	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Fluoride (as F)	mg/L	0.2	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
9	Total Hardness (as CaCO ₃)	mg/L	133.92	Max. 200	Max. 600	IS 3025 (Part 21) : 2009
10	Nitrate (as NO ₃)	mg/L	1.99	Max. 45	No Relaxation	IS 3025 (Part 34) :1988
11	Phenolic Compounds	mg/L	BLQ (LOQ-	Max. 0.001	Max. 0.002	IS 3025 (Part 43) sec-1 : 2022



Idma Laboratories Limited

idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited



TEST REPORT

ULR : TC820725700008639F

Lab No.		190925L-FD-017/A				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	(as C6H5OH)		0.001)			
12	Total Dissolved Solids	mg/L	210.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
13	Sulphate (as SO4)	mg/L	3.84	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
14	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
15	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) :2023
16	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min.1.0	IS 3025 (Part 26) : 2021
	METALS:	-	-	-	-	-
17	Copper (as Cu)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
18	Iron (as Fe)	mg/L	BLQ (LOQ-0.0005)	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19	Lead (as Pb)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 47) : 1994
20	Manganese (as Mn)	mg/L	0.002	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
21	Zinc (as Zn)	mg/L	0.026	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	BLQ (LOQ-0.0005)	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
23	Selenium (as Se)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
24	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) :1994
25	Magnesium (as Mg)	mg/L	6.30	Max. 30	Max. 100	IS 3025 (Part 46) :2023
26	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) :2022
27	Total Chromium (as Cr)	mg/L	BLQ	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003

Reviewed by *[Signature]* 23/09/2025

Authorised signatory *[Signature]*

Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

ULR : TC820725700008639F

Lab No.		190925L-FD-017/A				Page No. 3/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
27			(LOQ-0.0005)			
28	Chromium (Hexavalent)	mg/L	BLQ(LOQ-0.05)	-	-	IS 3025 (Part 52): 2003
	Biological Testing (Water)	--	-	--	--	--
29	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
30	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

Opinion :

Remarks : The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ : Below limit of quantification, LOQ :limit of quantification.

Represents details provided by the customer.

End of Report



Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Lab No.	190925L-FD-017/B	Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh	
Type of Sample#	Drinking Water (RO)	
Customer's Description of Sample#	Drinking Water (RO)	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Barara Camp	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated 24/10/2024
Date of Receipt of Sample	19/09/2025	
Period of Analysis	19/09/2025 To 23/09/2025	
Visual Observation	N/A	
Date of Reporting	23/09/2025	
Testing Protocol	IS 10500:2012 Amdt 1 to 4	

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Anionic detergents (as MBAS)	mg/L	BLQ (LOQ-0.05)	Max. 0.2	Max. 1.0	IS 3025 (Part 68: 2019)

Opinion :

Remarks : The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ : Below limit of quantification, LOQ :limit of quantification.

Represents details provided by the customer.

****End of Report****



Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700008641F

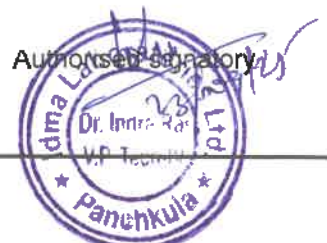
Lab No.	190925L-FD-018/A		Page No. 1/3		
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh				
Type of Sample#	Drinking Water				
Customer's Description of Sample#	Drinking Water				
Quantity#	5 Ltr.				
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Mess Area Near Office Site				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/10/2024		
Date of Receipt of Sample	19/09/2025				
Period of Analysis	19/09/2025 To 23/09/2025				
Visual Observation	N/A				
Date of Reporting	23/09/2025				
Testing Protocol	IS 10500:2012 Amdt 1 to 4				

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	8.24	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO ₃)	mg/L	93.84	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.041	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	41.47	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	18.99	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Fluoride (as F)	mg/L	0.2	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
9	Total Hardness (as CaCO ₃)	mg/L	138.24	Max. 200	Max. 600	IS 3025 (Part 21) : 2009
10	Nitrate (as NO ₃)	mg/L	1.92	Max. 45	No Relaxation	IS 3025 (Part 34) :1988
11	Phenolic Compounds	mg/L	BLQ (LOQ-	Max. 0.001	Max. 0.002	IS 3025 (Part 43) sec-1 : 2022

Reviewed by:  23/09/2025

Authorised signatory: 



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TEST REPORT

ULR : TC820725700008641F

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	(as C6H5OH)		0.001)			
12	Total Dissolved Solids	mg/L	217.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
13	Sulphate (as SO4)	mg/L	4.07	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
14	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
15	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) :2023
16	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min.1.0	IS 3025 (Part 26) : 2021
	METALS:	-	-	-	-	-
17	Copper (as Cu)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
18	Iron (as Fe)	mg/L	BLQ (LOQ-0.0005)	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19	Lead (as Pb)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 47) : 1994
20	Manganese (as Mn)	mg/L	0.002	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
21	Zinc (as Zn)	mg/L	0.031	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	BLQ (LOQ-0.0005)	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
23	Selenium (as Se)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
24	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) :1994
25	Magnesium (as Mg)	mg/L	8.40	Max. 30	Max. 100	IS 3025 (Part 46) :2023
26	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) :2022
27	Total Chromium (as Cr)	mg/L	BLQ	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003

Reviewed by *[Signature]* 23/09/2025



Authorised signatory



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S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
27			(LOQ-0.0005)			
28	Chromium (Hexavalent)	mg/L	BLQ(LOQ-0.05)	-	-	IS 3025 (Part 52): 2003
	Biological Testing (Water)	--	-	--	--	--
29	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
30	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

Opinion :

Remarks : The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ : Below limit of quantification, LOQ : limit of quantification.

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Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh	
Type of Sample#	Drinking Water	
Customer's Description of Sample#	Drinking Water	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Mess Area Near Office Site	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated 24/10/2024
Date of Receipt of Sample	19/09/2025	
Period of Analysis	19/09/2025 To 23/09/2025	
Visual Observation	N/A	
Date of Reporting	23/09/2025	
Testing Protocol	IS 10500:2012 Amdt 1 to 4	

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Anionic detergents (as MBAS)	mg/L	BLQ (LOQ-0.05)	Max. 0.2	Max. 1.0	IS 3025 (Part 68: 2019)

Opinion :

Remarks : The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ : Below limit of quantification, LOQ :limit of quantification.

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827,- 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-005/A		Page No.	1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Office			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	78.9	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	69.7	Max. 60	IDL/SP/03, Issue No-1
3	SO ₂	µg/m ³	18.3	Max. 80	IS 5182 (Part 2)
4	NO ₂	µg/m ³	19.7	Max. 80	IS 5182 (Part 6)
5	NH ₃	µg/m ³	21.4	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	2.07	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8	Max. 20	EPA/625/R-96/010a

Reviewed by

 Dipi Jain
 Asst. Tech. Manager
 Idma Laboratories Limited
 Panchkula

Authorised signatory

Kartar Singh
 Tech. Mgr.

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Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.		020525L-ED-005/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	0.12	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report



Kartar Singh
02/09/2025

Authorised signatory



Idma Laboratories Limited
Idma Corporate Park,
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Idma Laboratories Limited

TEST REPORT

Lab No.	020525L-ED-005/B		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Ambient Air		
Customer's Description of Sample#	Ambient Air		
Quantity#	01 No.		
Packing, Markings#	Filter Paper Packed In polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITWO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Office		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013		
Testing Protocol	NAAQS		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.46	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report

Subjor/est
Reviewed by



Kartar Singh 09/05/25
Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-008/A		Page No.	1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Lunsu Dumping Site.			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	81.6	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	38.2	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	16.8	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	20.4	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	23.8	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	20.8	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<1	Max. 20	EPA/625/R-96/010a

Reviewed By
02/05/25



Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

Lab No.		020525L-ED-006/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	0.12	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report

Dipti Jain
Reviewed by



Kartar Singh
09/03/21
Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Lab No.	020525L-ED-006/B		Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Lunsu Dumping Site.			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.42	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report



Kartar Singh
09/05/25
Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	020525L-ED-007/A		Page No. 1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Ambient Air		
Customer's Description of Sample#	Ambient Air		
Quantity#	01 No.		
Packing, Markings#	Filter Paper Packed in polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Coffer Dam Site (Near Dam Site)		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013		
Testing Protocol	NAAQS		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m ³	79.8	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	41.7	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	18.4	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	20.3	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	24.5	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	22.8	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8	Max. 20	EPA/625/R-96/010a

Reviewed by *[Signature]*
 Dipti Jain
 Asst. Tech. Manager

Authorised signatory



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Idma Corporate Park,
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Haryana (India)

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Idma Laboratories Limited



TEST REPORT

Lab No.		020525L-ED-007/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	0.11	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report

Dipti Jain
Reviewed by



Kartar Singh
09/10/25
Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,
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Idma Laboratories Limited

TEST REPORT

Lab No.	020525L-ED-007/B		Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Coffer Dam Site (Near Dam Site)			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

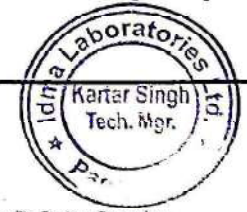
S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.56	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report

Reviewed by
Dipti Jain
Asst. Tech. Manager
Panchkula

09/05/25
Authorised signatory



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Idma Corporate Park,
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Idma Laboratories Limited

TEST REPORT

Lab No.	020525L-ED-007/B	Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Ambient Air		
Customer's Description of Sample#	Ambient Air		
Quantity#	01 No.		
Packing, Markings#	Filter Paper Packed in polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Coffer Dam Site (Near Dam Site)		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013		
Testing Protocol	NAAQS		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.56	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer. **End of Report**

Reviewed by
09/05/25



Authorised signatory

Kartar Singh
09/05/25



Idma Laboratories Limited

Idma Corporate Park,
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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-008/A		Page No.	1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near work Shop (Khaira Dumping Site)			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)				
1	PM 10	µg/m ³	78.5	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	34.2	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	18.4	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	21.5	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	25.6	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	20.4	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m ³	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m ³	<8	Max. 20	EPA/625/R-96/010a

Reviewed by
09/05/25



Authorised signatory



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Idma Laboratories Limited

Idma Corporate Park,
391, industrial Area, Phase - 1,
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Haryana (India)
Tel No. 0172 - 5064827, - 5064830
Website : www.idmagroup.co.in
Email : commercial@idmalab.co.in



Idma Laboratories Limited



TEST REPORT

Lab No.		020525L-ED-008/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	0.11	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report



09/05/25
Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Lab No.	020525L-ED-008/B		Page No. 1/1	
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Ambient Air			
Customer's Description of Sample#	Ambient Air			
Quantity#	01 No.			
Packing, Markings#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near work Shop (Khaira Dumping Site)			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.51	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer. **End of Report**

[Signature]
Reviewed
Dipti Jain
Asst. Tech. Manager
Panchkula

[Signature]
09/05/25
Authorised signatory
Kartar Singh
Tech. Mgr.
Panchkula

Idma Laboratories Limited

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TC-8207

TEST REPORT

Lab No.	020525L-ED-009		Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chobri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Crusher Plant.			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	71.6	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.2	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report

Reviewed by

 Dinti Jain
 Asst. Tech. Manager
 Panchkula

Authorised signature

 Kartar Singh
 Tech. Mgr.
 Panchkula

Idma Laboratories Limited

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TEST REPORT

Lab No.	020525L-ED-010		Page No. 1/1	
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Power House			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.8	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.6	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Kartar Singh
02/05/25
Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-011		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Noise Level (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Coffor Dam		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	71.9	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.2	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report

Review

 Dipti Jain
 Asst. Tech. Manager

Authorised signatory

Kadar Singh
 Tech. Mgr.

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	020525L-ED-012		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Noise Level (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Lunsu Dumping Site.		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.5	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	63.8	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Authorised signatory
Kartar Singh



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TEST REPORT

Lab No.	020525L-ED-013		Page No. 1/1	
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Workshop (Nara)			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.3	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.9	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report

Reviewed by

 Dipti Jain
 Asst. Tech. Manager

Authorised signatory

 09/05/25

Idma Laboratories Limited

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TC-8207

TEST REPORT

Lab No.	020525L-ED-014		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Noise Level (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing. Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITEMO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Khaira Village		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	65.2	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	59.8	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report

Dipti Jain
 Reviewer
 Idma Laboratories Limited
 Panchkula
 Dipti Jain
 Asst. Tech. Manager

Kanta Singh
 09/05/25
 Authorised signatory

Idma Laboratories Limited
 Kanta Singh
 Tech. Mgr.
 Panchkula

Idma Laboratories Limited

Idma Corporate Park,
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TC-8207

TEST REPORT

Lab No.	020525L-ED-015		Page No.	1/2
Customer#	Rithwik Projects Private Limited			
Type of Sample#	Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khalra, Teh.- Sunni, Dist.- Shimla (H.P.) Himachal Pradesh			
Customer's Description of Sample#	Surface Water			
Quantity#	5 Ltr.			
Packing, Markings, Seal & Quantity#	Plastic Can.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 10/05/2025			
Sampling Team Idma	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Up-Stream of Dam			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	10/05/2025			
Sampling Protocol	IS:17614 (PART-1):2021			
Testing Protocol	-			

RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.24	IS 3025 (Part 11)
2	Alkalinity (as CaCO ₃)	mg/L	101	IS 3025 (Part 23)
3	Calcium (as Ca)	mg/L	18.6	IS 3025 (Part 40)
4	Chloride (as Cl)	mg/L	14.3	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	7.1	IS 3025 (Part 38)
6	Hardness Total (as CaCO ₃)	mg/L	112	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	143	IS 3025 (Part 16)
8	Sulphate (as SO ₄)	mg/L	6.7	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,
391, Industrial Area, Phase - 1,
Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-015			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods
10	Residual Free chlorine	mg/L	<0.1	IS 3025 (Part 26)
11	Magnesium (as Mg)	mg/L	15.9	IS 3025 (Part 46)
12	Iron as Fe	mg/L	0.017	IS 3025 (Part 53)
13	Lead as Pb	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 47)
14	Manganese as Mn	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 59)
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	3.0	IS 3025 (Part 44)
16	Chemical Oxygen Demand	mg/L	16.0	IS 3025 (Part 58)
17	Feecal Coliform	MPN/100nl	70	IS 1622:1981

Opinion :

Represents details provided by the customer.

End of Report



Handwritten signature 'Kartar Singh' and the text '10/05/24' and 'Authorised signatory'.



Idma Laboratories Limited

Idma Corporate Park,
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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-015		Page No. 1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Surface Water		
Customer's Description of Sample#	Surface Water		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 10/05/2025		
Sampling Team Idma	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Up-Stream of Dam		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	10/05/2025		
Sampling Protocol	IS:17614 (PART-1):2021		
Testing Protocol	-		

RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.24	IS 3025 (Part 11)
2	Alkalinity (as CaCO ₃)	mg/L	101	IS 3025 (Part 23)
3	Calcium (as Ca)	mg/L	18.6	IS 3025 (Part 40)
4	Chloride (as Cl)	mg/L	14.3	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	7.1	IS 3025 (Part 38)
6	Hardness Total (as CaCO ₃)	mg/L	112	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	143	IS 3025 (Part 16)
8	Sulphate (as SO ₄)	mg/L	6.7	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)

Reviewed by
Dipti Jain
Asst. Tech. Manager
Panchkula

Kartar Singh
10/05/25
Authorised signatory
Idma Laboratories Ltd.
Kartar Singh
Tech. Mgr.
Panchkula

Idma Laboratories Limited

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TEST REPORT

Lab No.		020525L-ED-015			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods	
10	Residual Free chlorine	mg/L	<0.1	IS 3025 (Part 26)	
11	Magnesium (as Mg)	mg/L	15.9	IS 3025 (Part 46)	
12	Iron as Fe	mg/L	0.017	IS 3025 (Part 53)	
13	Lead as Pb	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 47)	
14	Manganese as Mn	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 59)	
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	3.0	IS 3025 (Part 44)	
16	Chemical Oxygen Demand	mg/L	16.0	IS 3025 (Part 58)	
17	Faecal Collform	MPN/100nl	70	IS 1622:1981	

Opinion :

Represents details provided by the customer.

End of Report

Reviewed by

 Dipti Jain
 Asst. Tech. Manager
 Idma Laboratories Ltd.
 Panchkula

Authorised signatory

Karan Singh
 Tech. Mgr.
 Idma Laboratories Ltd.
 Panchkula

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	020525L-ED-016		Page No. 1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Surface Water		
Customer's Description of Sample#	Surface Water		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 10/05/2025		
Sampling Team Idma	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Down Stream of Dam		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	10/05/2025		
Sampling Protocol	IS:17614 (PART-1):2021		
Testing Protocol	-		

RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.34	IS 3025 (Part 11)
2	Alkalinity (as CaCO3)	mg/L	117	IS 3025 (Part 23)
3	Calcium (as Ca)	mg/L	22.2	IS 3025 (Part 40)
4	Chloride (as Cl)	mg/L	14.5	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	7.3	IS 3025 (Part 38)
6	Hardness Total (as CaCO3)	mg/L	129	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	154	IS 3025 (Part 16)
8	Sulphate (as SO4)	mg/L	5.6	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)

10/05/25
 Reviewed by
 Dipti Jain
 Asst. Tech. Manager
 Panchkula

Authorised signatory

10/05/25
 Authorised signatory
 Idma Laboratories Ltd.
 Panchkula
 Tech. Mgr.

Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

020525L-ED-016

Page No. 2/2

Lab No.	Test Parameter	Units	Results	Test Methods
10	Residual Free chlorine	mg/L	<0.1	IS 3025 (Part 26)
11	Magnesium (as Mg)	mg/L	17.9	IS 3025 (Part 46)
12	Iron as Fe	mg/L	0.015	IS 3025 (Part 53)
13	Lead as Pb	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 47)
14	Manganese as Mn	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 59)
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	4.0	IS 3025 (Part 44)
16	Chemical Oxygen Demand	mg/L	12.0	IS 3025 (Part 58)
17	Faecal Collform	MPN/100ml	175	IS 1622:1981

Opinion :

Represents details provided by the customer.

End of Report

Reviewed by

 Dipti Jain
 Asst. Tech. Manager
 Idma Laboratories Ltd.
 Panchkula


 19/05/25
 Authorised signatory

 Kartar Singh
 Tech. Mgr.

Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	020525L-ED-017		Page No. 1/2
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khalra, Tah.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Surface Water		
Customer's Description of Sample#	Surface Water		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 10/05/2025		
Sampling Team Idma	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Lunsu Dumping Area		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	10/05/2025		
Sampling Protocol	IS:17614 (PART-1):2021		
Testing Protocol	-		

RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.25	IS 3025 (Part 11)
2	Alkalinity (as CaCO ₃)	mg/L	116	IS 3025 (Part 23)
3	Calcium (as Ca)	mg/L	21.2	IS 3025 (Part 40)
4	Chloride (as Cl)	mg/L	17.2	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	7.1	IS 3025 (Part 38)
6	Hardness Total (as CaCO ₃)	mg/L	126	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	172	IS 3025 (Part 16)
8	Sulphate (as SO ₄)	mg/L	5.7	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)

Signature
 Reviewer
 Dipti Jain
 Asst. Tech. Manager

Authorised signatory



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Idma Laboratories Limited



TEST REPORT

Lab No.		020525L-ED-017			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods	
10	Residual Free chlorine	mg/L	<0.1	IS 3025 (Part 26)	
11	Magnesium (as Mg)	mg/L	17.8	IS 3025 (Part 46)	
12	Iron as Fe	mg/L	0.001	IS 3025 (Part 53)	
13	Lead as Pb	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 47)	
14	Manganese as Mn	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 59)	
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	2.0	IS 3025 (Part 44)	
16	Chemical Oxygen Demand	mg/L	8.0	IS 3025 (Part 58)	
17	Faecal Coliform	MPN/100ml	130	IS 1622:1981	

Opinion :

Represents details provided by the customer.

****End of Report****

Reviewed by
[Signature]
10/05/25



[Signature]
10/05/25
Authorized signatory



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Idma Laboratories Limited



TEST REPORT

ULR : TC820725700006663F

020525L-FD-040/A

Page No. 1/3

Lab No.	Rithwik Projects Private Limited	Customer#	Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh
Type of Sample#	Borewell Water	Customer's Description of Sample#	Borewell Water
Quantity#	5 Ltr.	Packing, Markings, Seal & Quantity#	Plastic Can, Location-Near Office
Mode of Collection of Sample	Sample Collected By Idma Lab Person	Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156
Date of Receipt of Sample	02/05/2025	Dated	24/10/2024
Period of Analysis	02/05/2025 To 07/05/2025	Visual Observation	N/A
Date of Reporting	07/05/2025	Testing Protocol	IS 10500:2012 Amdt 1 to 4

RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	7.46	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO3)	mg/L	91.08	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.003	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	85.7	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	23.9	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Fluoride (as F)	mg/L	0.3	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
9	Total Hardness (as CaCO3)	mg/L	271.9	Max. 200	Max. 600	IS 3025 (Part 21) : 2009
10	Nitrate (as NO3)	mg/L	5.6	Max. 45	No Relaxation	IS 3025 (Part 34) :1988
11	Phenolic Compounds	mg/L	BLQ (LOQ-	Max. 0.001	Max. 0.002	IS 3025 (Part 43) sec-1 : 2022

Reviewed by Ranjna
Tech. Mgr

Dr. Indra Rai
V.P. Tech-IV

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Idma Laboratories Limited




TEST REPORT

Page No. 2/3

ULR : TC820725700006663F
020525L-FD-040/A

S.No.	Lab No.	Test Parameter	Units	Results	Requirements		Test Methods
					Acceptable Limit (Max)	Permissible Limit (Max)	
11		(as C6H5OH)		0.001			
12		Total Dissolved Solids	mg/L	392.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
13		Sulphate (as SO4)	mg/L	8.4	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
14		Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
15		Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) : 2023
16		Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min. 1.0	IS 3025 (Part 26) : 2021
17		METALS: Copper (as Cu)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
18		Iron (as Fe)	mg/L	0.002	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19		Lead (as Pb)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 47) : 1994
20		Manganese (as Mn)	mg/L	0.001	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
21		Zinc (as Zn)	mg/L	0.001	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22		Aluminum (as Al)	mg/L	BLQ (LOQ-0.0005)	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
23		Selenium (as Se)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
24		Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) : 1994
25		Magnesium (as Mg)	mg/L	14.0	Max. 30	Max. 100	IS 3025 (Part 46) : 2023
26		Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) : 2022
27		Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003

Reviewed by  07/08/25
Ranjna
Tech. Mgr.
Idma Laboratories Ltd.
Panchkula

Idma Laboratories Ltd.
Authorised signatory
Dr. Indu Singh
VP Tech-IV
Panchkula

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TEST REPORT

ULR : TC820725700006663F
020525L-FD-040/A

Page No. 3/3

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
28	Chromium (Hexavalent)	mg/L	BLQ(LOQ-0.05)	-	-	IS 3025 (Part 52): 2003
	Biological Testing (Water)	--	-	--	--	--
29	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15186: 2016
30	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15186: 2016

Opinion :

Remarks:- The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ:- Below limit of quantification, LOQ:- Limit of quantification.

Represents details provided by the customer.

****End of Report****



Idma Laboratories Limited

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Email : complaints@idmagroup.co.in

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TEST REPORT

ULR : TC820725700006663F
020525L-FD-040/A

Page No. 3/3

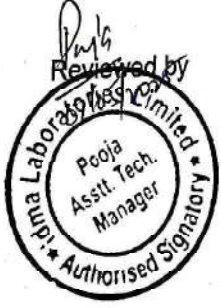
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
28	Chromium (Hexavalent)	mg/L	BLQ(LOQ-0.05)	-	-	IS 3025 (Part 52): 2003
	Biological Testing (Water)	--	-	--	--	--
29	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
30	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

Opinion :

Remarks:- The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ:- Below limit of quantification, LOQ:- Limit of quantification.

Represents details provided by the customer.

****End of Report****



Idma Laboratories Limited
Corporate Park,
Industrial Area, Phase - 1,
Panchkula - 134113,
Haryana (India)
Phone : 0172 - 5064827, - 5064830
Website : www.idmagroup.co.in

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Idma Laboratories Limited

TEST REPORT

Lab No.	020525L-FD-040/B		Page No. 1/1
Customer#	Rithwik Projects Private Limited		
Type of Sample#	Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Customer's Description of Sample#	Borewell Water		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can, Location-Near Office		
Mode of Collection of Sample	Sample Collected By Idma Lab Person		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/10/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 07/05/2025		
Visual Observation	N/A		
Date of Reporting	07/05/2025		
Testing Protocol	IS 10500:2012 Amdt 1 to 4		

RESULTS

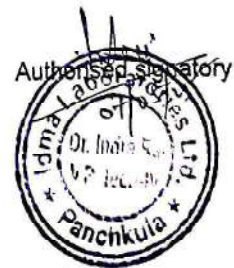
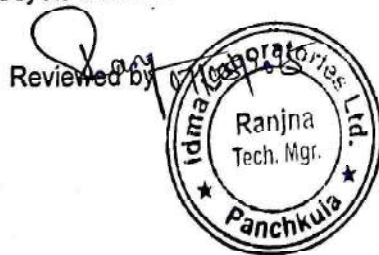
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Anionic detergents (as MBAS)	mg/L	BLQ (LOQ- 0.05)	Max. 0.2	Max. 1.0	IS 3025 (Part 68: 2019)

Opinion :

Remarks:- The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ:- Below limit of quantification, LOQ:- Limit of quantification.

Represents details provided by the customer.

End of Report

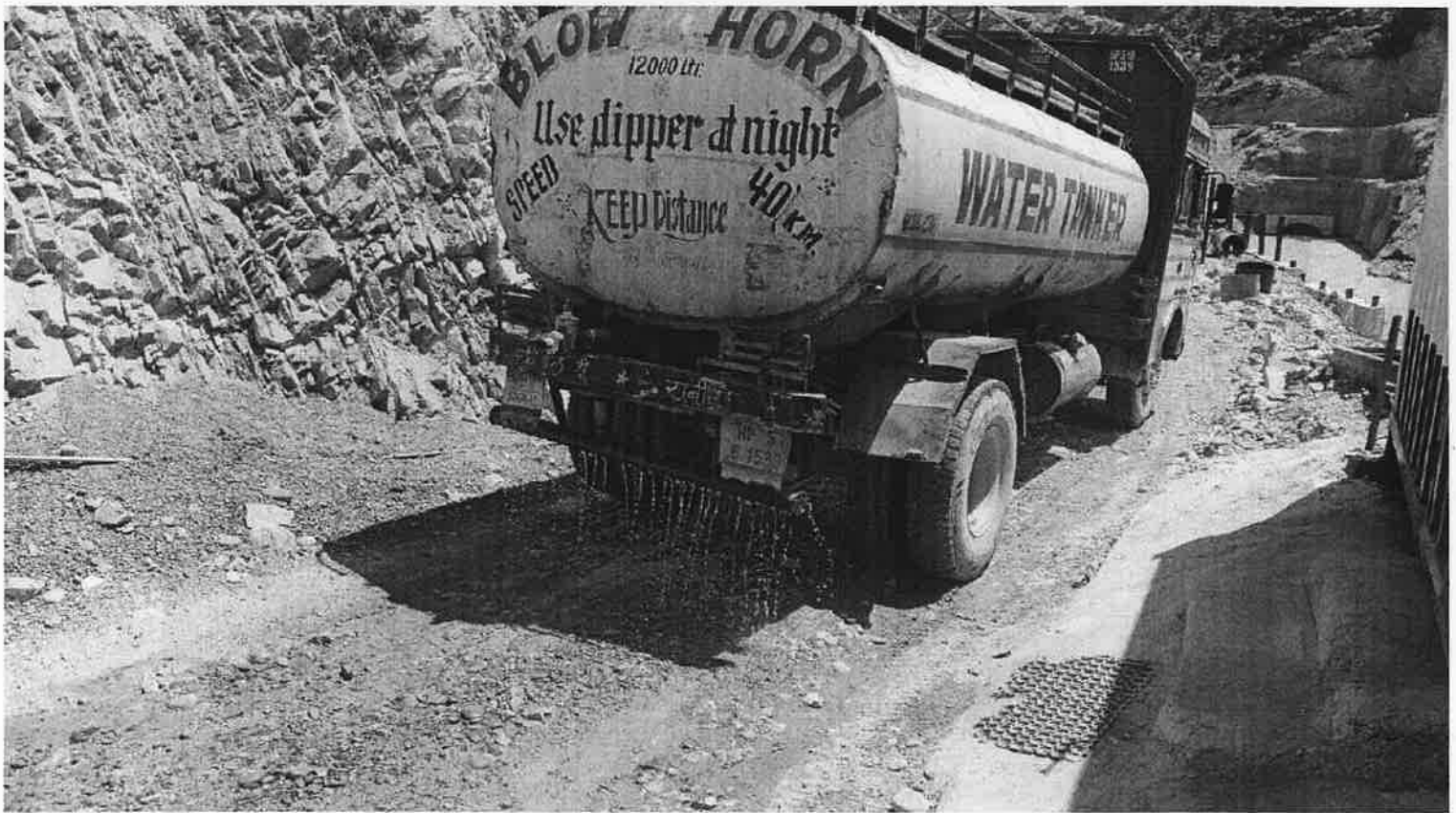


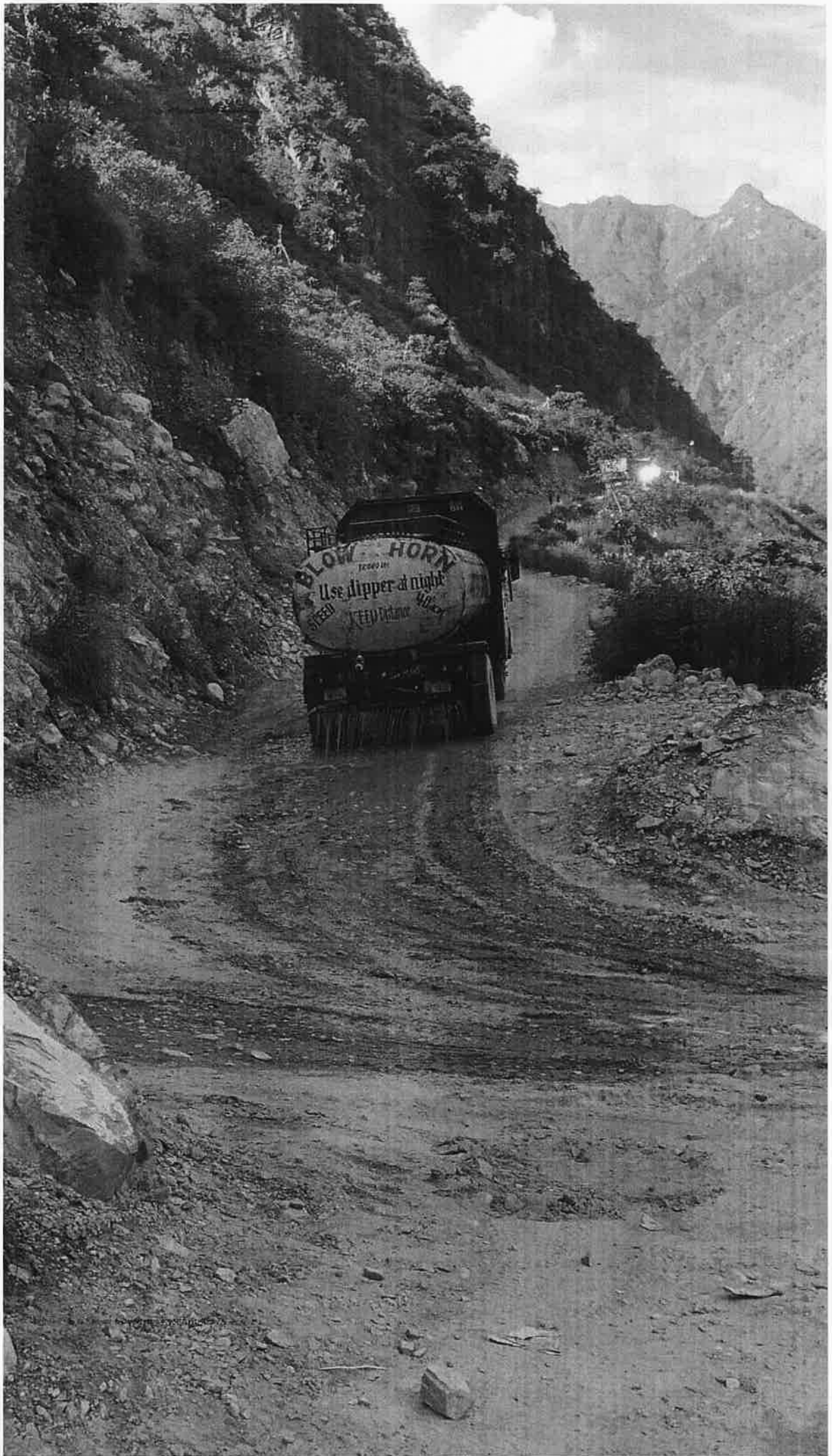
Idma Laboratories Limited
 Idma Corporate Park,
 391, Industrial Area, Phase - 1,
 Panchkula - 134113,
 Haryana (India)
 Tel No. 0172 - 5064827, - 5064830
 Website : www.idmagroup.co.in
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Annexure - X







Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-009		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Noise Level (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Crusher Plant.		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	71.6	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.2	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report

Reviewed by
Dipti Jain
Asst. Tech. Manager



Authorised Signature
Kartar Singh
Tech. Mgr.



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-010		Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Power House			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)				
1	Lday	dB(A)	70.8	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.6	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Kartar Singh
02/10/25
Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,
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Idma Laboratories Limited



TEST REPORT

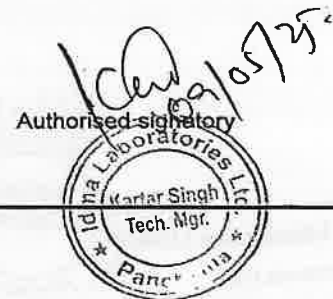
Lab No.	020525L-ED-011		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Noise Level (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/NO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Coffor Dam		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	71.9	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.2	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

Lab No.	020525L-ED-012		Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Lunsu Dumping Site.			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.5	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	63.8	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

****End of Report****

Signature
 Reported by
Dipti Jain
 Assl. Tech. Manager
 Panchkula

Signature
 09/05/25
 Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,
 391, Industrial Area, Phase - 1,
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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	020525L-ED-013		Page No.	1/1
Customer#	Rithwik Projects Private Limited Sunnl Dam Hydro Electric Project Village Chebri, Chouk(102), Post- Khaira, Teh.- Sunnl, Distt.- Shimla (H.P.) Himachel Pradesh			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	RPPL/SDHEP/SITE/AWO/24-25/156	Dated	24/01/2024	
Date of Receipt of Sample	02/05/2025			
Period of Analysis	02/05/2025 To 09/05/2025			
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur	
Sampling Location#	Near Workshop (Nara)			
Visual Observation	N/A			
Date of Sampling	30/04/2025			
Date of Reporting	09/05/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.3	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.9	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report

Reviewed by

 Dipal Jain
 Asst. Tech. Manager
 Panchkula

Authorised signatory

Kanta Singh
 Tech. Mgr.
 Panchkula

Idma Laboratories Limited

Idma Corporate Park,
 391, Industrial Area, Phase - 1,
 Panchkula - 134113,

Haryana (India)

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	020525L-ED-014		Page No. 1/1
Customer#	Rithwik Projects Private Limited Sunni Dam Hydro Electric Project Village Chebri, Chouki(102), Post- Khaira, Teh.- Sunni, Distt.- Shimla (H.P.) Himachal Pradesh		
Type of Sample#	Noise Level (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	RPPL/SDHEP/SITE/WO/24-25/156	Dated	24/01/2024
Date of Receipt of Sample	02/05/2025		
Period of Analysis	02/05/2025 To 09/05/2025		
Sampling Team	Idma Representative Team	Client	Mr. Mouzzam Zabur
Sampling Location#	Near Khaira Village		
Visual Observation	N/A		
Date of Sampling	30/04/2025		
Date of Reporting	09/05/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	GPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	65.2	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	59.8	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Handwritten signature: Kanta 09/05/25

Authorised signatory



Idma Laboratories Limited
 Idma Corporate Park,
 391, Industrial Area, Phase - 1,
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<p>एसजेवीएन लिमिटेड SJVN Limited NAVRATNA PSU (A Joint venture of Govt. of India & Govt. of Himachal Pradesh) CIN:L40101HP1988GOI008409 सुनी डैम हाईड्रो पावर प्रोजेक्ट Sunni Dam Hydro Power Project</p>	
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ENVIRONMENT & FOREST DEPARTMENT

No. SJVN/SDHEP/Envt. & Forest/F-03/2024/1118-112)

Dated: 25/11/2024

To

The APCCF – cum CEO,
H.P State Authority (CAMPA),
H.P. Forest Department, Talland,
Distt. Shimla, H.P. - 171001

Subject: Proposal for seeking prior approval of the Central Government under Section 2 of the Forest (Conservation) Act, 1980 for diversion of 397.8863 ha forest land in favour of SJVN Ltd. for construction of Sunni Dam Hydroelectric Project (382 MW) within the jurisdiction of Shimla, Kotgarh and Karsog Forest Divisions, in District Shimla and Mandi, Himachal Pradesh (ONLINE PROPOSAL NO. FP/HP/HUD/31019/2017) – **regarding CAT Plan & CA Scheme implementation status.**

Reference No.: 1. SJVN/SDHEP/Envt. & Forest/F-14/2023-813-16 dated: 04.10.2023.
2. SJVN/SDHEP/Envt. & Forest/F03/2023-723-26 dated: 19.06.2024

Respected Sir,

This is in reference to the part-B, point no. 2 and 7 respectively of forest clearance granted to the project vide file no. File No.8-07/2021-FC dated 23.08.2022 which states that

"The State Government shall ensure that compensatory afforestation over degraded-forest Govt. land, double in extent, to the forest land being diverted, shall be raised by the State Forest Department at the project cost within three years from the date of grant of Stage - II approval and maintained thereafter as per approved plan by the State Forest Department at the cost of the User Agency"

And

परियोजना कार्यालय: सुन्नी जिला-शिमला-171301
दूरभाष: 0177-2786586, Fax No.: 0177-2786895, www.sjvn.nic.in
कारपोरेट मुख्यालय: शक्ति सदन, शनान, शिमला-171006 (हि. प्र.)
अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

Project Office: Sunni, District Shimla-171301
Tele: 0177-2786586, Fax No.: 0177-2786895, www.sjvn.nic.in
Corporate H.Q. : Shakti Sadan, Shanan, Shimla-171006 (HP)
SAVE ENERGY FOR BENEFIT OF SELF AND NATION.

"Provisions of Catchment Area Treatment Plan, as approved by competent authority of the State, shall be implemented by user agency/Forest Department at project cost"

In this regard, it is hereby to apprise that the CAT plan has already been approved by PCCF (HoFF). Also, funds of INR 38.34 Crore for CAT Plan and INR 22 Crore for CA scheme stands deposited to CAMPA account along with Departmental Charges by SJVN in December, 2021. The status of implementation of CA Scheme & CAT Plan needs to be submitted in half yearly compliance submission of EC & yearly compliance submission of FC.

It is thus requested to kindly arrange to provide the status of implementation of approved CAT Plan of Sunni Dam HEP and Compensatory Afforestation Scheme for onwards submission in compliance of conditions of Forest Clearance & Environment Clearance, please.

With regards,


Thanking You,
For & on behalf of SJVN


General Manager,
Env & Forest Deptt.
SJVN, SDHEP, Sunni

CC: For kind information and requested for necessary action please to:

1. The Divisional Forest Officer,
Forest Division Karsog,
Distt. Mandi, H.P. - 175011
2. The Divisional Forest Officer,
Forest Division Shimla,
Distt. Shimla, H.P. - 171002
3. The Divisional Forest Officer,
Forest Division Kotgarh,
Distt. Shimla, H.P. - 172030

Annexure - XIII

<p>एसजेवीएन लिमिटेड SJVN Limited (A joint venture of Govt. of India & Govt. of Himachal Pradesh) नवरत्न सी.पी.एस.ई NAVRATNA CPSE CIN:L40101HP1988GOI008409 सुत्री बांध जल विद्युत परियोजना SUNNI DAM HYDRO ELECTRIC POWER PROJECT</p>	
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ENVIRONMENT & FOREST DEPARTMENT

No. 16/10/01/015 - 34

Dated: 26/05/2025

To

**The Environment Engineer,
HP State Pollution Control Board,
R.O. Shimla, Phase-III,
New Shimla (H.P.) - 171009
Email- pcbroschimla@gmail.com**

Subject: Submission of monthly statement of muck/debris disposal for the month of April, 2025 i.r.o. Sunni Dam HEP (382 MW)-regarding

Dear Sir,

Kindly find enclosed herewith the monthly statement of muck generated for the month of April, 2025 in respect of Sunni Dam HEP (382 MW) as provided by M/s Rithwik Projects Private Limited (RPPL), the EPC (Engineering, Procurement & Construction) contractor for Sunni Dam HEP for your information, please.

With regards,

For & on behalf of SJVN



**General Manager,
Env & Forest Deptt.
SJVN, SDHEP, Sunni**

Ref.: RPPL/SJVNL/SDHEP/Site/2025/999

Dated: 21 May 2025

To

The Head of Project (HOP),
SJVN Limited,
Sunni Dam HEP (382 MW),
Sunni, Kol Dam Colony,
Tehsil: Sunni, Distt. Shimla
Himachal Pradesh-171301

Kind attention: - Sh. Rajeev Kumar Agarwal ji.

Name of Works: EPC Contract Package covering Design and Engineering Services,
Civil and Hydro-Mechanical works of Sunni Dam HEP (382MW) Located in Distt.
Shimla and Mandi in Himachal Pradesh

Sub: Submission of monthly statement of muck/debris disposal for the month of
April 2025

Ref: 1. LOA No. SJVN/CHQ/CCD/SDHEP/23-1860 dated 14.01.2023
2. Contract Agreement No. CHQ-02/2023

Dear Sir,

With reference to subject cited above, please find attached herewith muck/ disposal
statement for the month of April'2025. This is for your kind information and record please.

Thanking you and assuring you for our best services at all the times.

For and on behalf of Rithwik Projects Pvt. Ltd.



Authorized Signatory

CC: General Manager (Environment, Forest and Safety), SJVNL, Sunni Dam HEP (382MW)

Encl.: 1. Monthly statement of muck/debris disposal for the month of April'2025.

HOP/CM *21/5/25*

GM (Envot)

CC: GM (C) / GM (P28M)

Page 1 of 1

Env't. Deptt. SDHEP SUNNI
Diary No. 14A
Date 22/05/2025

HOP SDHEP SUNNI
Diary 150
Date 21-5-25

Handwritten signatures and dates at the bottom of the page

Monthly Statement of Muck/debris Disposal for the month of April 2025 i.r.o. Sunni Dam HEP

Sr. No.	Project component	Muck Generated with swelling factor. (Cum)	Quantity of muck/debris for the month being reported (cum)				Dumped at Dumping site Lunsu (Cum)	Remarks
			Bench development work for job facilities at Right bank. (Cum)	Bench development work for job facilities at Left bank. (Cum)	Protection work for approach roads. (Cum)	Dyke formation /Mucking. (Cum)		
	Open Works							
1	Dam Left Bank	15525	-	-	-	4657.5	10867.5	
	Dam Right Bank	4050	-	-	-	-	4050	
2	Power Intake	0	-	-	-	-	0	
	Underground works							
3	Main Access Tunnel	3534.3	-	-	-	-	3534.3	
4	Power House	5535	-	-	-	-	5535	
5	Adit to Pressure Shaft	804.6	-	-	-	-	804.6	
6	Tail Race Tunnel	2320.65	-	-	-	-	2320.65	
7	Transformer Hall	1760.4	-	-	-	-	1760.4	
	Total	33529.95	0	0	0	4657.5	28872.45	



एसजेवीएन लिमिटेड

SJVN Limited

(A Joint venture of Govt. of India & Govt. of Himachal Pradesh)

नवरत्न सी.पी.एस.ई

NAVRATNA CPSE

CIN:L40101HP1988GOI008409

सुत्री बांध जल विद्युत परियोजना

SUNNI DAM HYDRO ELECTRIC POWER PROJECT



ENVIRONMENT & FOREST DEPARTMENT

No. 16/10/01/015-75

Dated: 11-07-2025

To

The Environment Engineer,
HP State Pollution Control Board,
R.O. Shimla, Phase-III,
New Shimla (H.P.) – 171009
Email- pcbshimla@gmail.com

Subject: Submission of monthly statement of muck/debris disposal for the month of May & June, 2025 i.r.o. Sunni Dam HEP (382 MW)-regarding

Dear Sir,

Kindly find enclosed herewith the monthly statement of muck generated for the month of May & June, 2025 in respect of Sunni Dam HEP (382 MW) as provided by M/s Rithwik Projects Private Limited (RPPL), the EPC (Engineering, Procurement & Construction) contractor for Sunni Dam HEP for your information, please.

With regards,

For & on behalf of SJVN


General Manager,
Env & Forest Deptt.
SJVN, SDHEP, Sunni

परियोजना कार्यालय: सुन्नी जिला-शिमला-171301
दूरभाष: 0177-2786586, Fax No.: 0177-2786895, www.sjvn.nic.in
कारपोरेट मुख्यालय: शक्ति सदन, शानान, शिमला-171006 (हि. प्र.)
अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

Project Office: Sunni, District Shimla-171301
Tele: 0177-2786586, Fax No.: 0177-2786895, www.sjvn.nic.in
Corporate H.Q. : Shakti Sadan, Shanan, Shimla-171006 (HP)
SAVE ENERGY FOR BENEFIT OF SELF AND NATION.

Ref.: RPPL/SJVNL/SDHEP/Site/2025/1062

Dated: 07 July 2025

To

**The Head of Project (HOP),
SJVN Limited,
Sunni Dam HEP (382 MW),
Sunni, Kol Dam Colony,
Tehsil: Sunni, Distt. Shimla
Himachal Pradesh-171301**

Kind attention: - Sh. Rajeev Kumar Agarwal ji.

**Name of Works: EPC Contract Package covering Design and Engineering Services,
Civil and Hydro-Mechanical works of Sunni Dam HEP (382MW) Located in Distt.
Shimla and Mandi in Himachal Pradesh**

**Sub: Submission of monthly details of muck debris disposal for the month of May &
June 2025**

**Ref: 1. LOA No. SJVN/CHQ/CCD/SDHEP/23-1860 dated 14.01.2023
2. Contract Agreement No. CHQ-02/2023**

Dear Sir,

With reference to subject cited above, please find attached herewith muck/ disposal statement for the month of May & June'2025.

This is for your kind information and record please.

Thanking you and assuring you for our best services at all the times.

For and on behalf of Rithwik Projects Pvt. Ltd.



Authorized Signatory

CC: General Manager (Environment, Forest and Safety), SJVN, Sunni Dam HEP (382MW)

Encl.: 1. Monthly statement of muck/debris disposal for the month of May & June'2025.

HOP SDHEP SUNNI
Dairy 255
Date 10-7-25

HOP/CCM
GM (ENVT)

10/7/25

GM (Env)

Page 1 of 1

Monthly Statement of Muck/debris Disposal for the month of May & June 2025 i.r.o. Sunni Dam HEP

Sr. No.	Project component	Muck Generated with swelling factor. (Cum)	Quantity of muck/debris for the month being reported (cum)				Dumped at Dumping site Lunsu (Cum)	Muck stored Safely near the site for Rehandling	Remarks
			Bench development work for job facilities at Right bank. (Cum)	Bench development work for job facilities at Left bank. (Cum)	Protection work for approach roads. (Cum)	Dyke formation /Mucking. (Cum)			
	Open Works								
1	Dam Left Bank	28350	-	-	-	11340	8505		
	Dam Right Bank	6750	-	-	-	4725	2025		
2	Power Intake	0	-	-	-	0	0		
	Underground works								
3	Main Access Tunnel	4158	-	-	-	2910.6	1247.4		
4	Power House	3704.4	-	-	-	2593.08	1111.32		
5	Adit to Pressure Shaft	0	-	-	-	0	0		
6	Tail Race Tunnel	9184.05	-	-	-	6428.835	2755.215		
7	Transformer Hall	3037.5	-	-	-	2126.25	911.25		
	Total	55183.95	0	0	0	30123.765	16555.185		



एसजेवीएन लिमिटेड

SJVN Limited

(A joint venture of Govt. of India & Govt. of Himachal Pradesh)

नवरत्न सी.पी.एस.ई

NAVRATNA CPSE

CIN:L40101HP1988GOI008409

सुन्नी बांध जल विद्युत परियोजना

SUNNI DAM HYDRO ELECTRIC POWER PROJECT



एसजेवीएन
SJVN

ENVIRONMENT & FOREST DEPARTMENT

No. 16/10/01/015 - 91

Dated: 23-8-2025

To

**The Environment Engineer,
HP State Pollution Control Board,
R.O. Shimla, Phase-III,
New Shimla (H.P.) - 171009
Email- pcbroschimla@gmail.com**

Subject: Submission of monthly statement of muck/debris disposal for the month of July, 2025 i.r.o. Sunni Dam HEP (382 MW)-regarding

Dear Sir,

Kindly find enclosed herewith the monthly statement of muck generated for the month of July, 2025 in respect of Sunni Dam HEP (382 MW) as provided by M/s Rithwik Projects Private Limited (RPPL), the EPC (Engineering, Procurement & Construction) contractor for Sunni Dam HEP for your information, please.

With regards,

For & on behalf of SJVN

**General Manager,
Env & Forest Deptt.
SJVN, SDHEP, Sunni**



RITHWIK
PROJECTS PRIVATE LIMITED
(An ISO 9001:2015 Company)



SUNNI DAM HYDRO ELECTRIC PROJECT
BESIDE : PANCHAYAT OFFICE BUILDING
VILL : CHEBRI, CHOUKI (102), POST : KHAJRA
TEH. SUNNI DISTT. SHIMLA
STATE : HIMACHAL PRADESH
PIN : 171018

Ref.: RPPL/SJVNL/SDHEP/Site/2025/1120

Dated: 21 August 2025

To

The Head of Project (HOP),
SJVN Limited,
Sunni Dam HEP (382 MW),
Sunni, Kol Dam Colony,
Tehsil: Sunni, Distt. Shimla
Himachal Pradesh-171301

Kind attention: - Sh. Rajeev Kumar Agarwal ji.

Name of Works: EPC Contract Package covering Design and Engineering Services,
Civil and Hydro-Mechanical works of Sunni Dam HEP (382MW) Located in Distt.
Shimla and Mandi in Himachal Pradesh

Sub: Submission of monthly details of muck debris disposal for the month of July 2025

Ref: 1. LOA No. SJVN/CHQ/CCD/SDHEP/23-1860 dated 14.01.2023
2. Contract Agreement No. CHQ-02/2023

Dear Sir,

With reference to subject cited above, please find attached herewith muck/ disposal
statement for the month of July'2025.

This is for your kind information and record please.

Thanking you and assuring you for our best services at all the times.

For and on behalf of Rithwik Projects Pvt. Ltd.



Authorized Signatory

CC: General Manager (Environment, Forest and Safety), SJVNL, Sunni Dam HEP (382MW)

Encl.: 1. Monthly statement of muck/debris disposal for the month of July'2025.

राजीव कुमार
23/8/25
परिपत्र
विभागाध्यक्ष (पर्यावरण)

Page 1 of 1

Env't. Deptt. SDHEP SUNNI
Diary No: 239
Date: 23.08.2025

HOP SDHEP SUNNI
Daily 361
Date: 23-8-25

Monthly Statement of Muck/debris Disposal for the month of July 2025 i.r.o. Sunni Dam HEP

Sr. No.	Project component	Muck Generated with swelling factor. (Cum)	Quantity of muck/debris for the month being reported (cum)				Dumped at Dumping site Lunsu (Cum)	Muck stored Safely near the site for Rehandling	Remarks
			Bench development work for job facilities at Right bank. (Cum)	Bench development work for job facilities at Left bank. (Cum)	Protection work for approach roads. (Cum)	Dyke formation /Mucking. (Cum)			
	Open Works								
1	Dam Left Bank	11475	-	-	-	-	3442.5		
	Dam Right Bank	675	-	-	-	-	202.5		
2	Power Intake	2700	-	-	-	-	810		
	Underground works								
3	Main Access Tunnel	2139.75	-	-	-	-	641.925		
4	Power House	1485	-	-	-	-	445.5		
5	Adit to Pressure Shaft	0	-	-	-	-	0		
6	Tail Race Tunnel	2042.55	-	-	-	-	612.765		
7	Transformer Hall	945	-	-	-	-	283.5		
	Total	21462.3	0	0	0	0	11581.11	6438.69	



एसजेवीएन लिमिटेड

SJVN Limited

(A joint venture of Govt. of India & Govt. of Himachal Pradesh)

नवरत्न सी.पी.एस.ई

NAVRATNA CPSE

CIN:L40101HP1988GOI008409

सुन्नी बांध जल विद्युत परियोजना

SUNNI DAM HYDRO ELECTRIC POWER PROJECT



ENVIRONMENT & FOREST DEPARTMENT

No. 16/10/01/015-106

Dated: 22-09-2025

To

The Environment Engineer,
HP State Pollution Control Board,
R.O. Shimla, Phase-III,
New Shimla (H.P.) – 171009
Email- pcbshimla@gmail.com

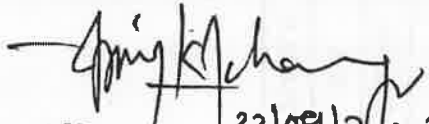
Subject: Submission of monthly statement of muck/debris disposal for the month of August, 2025 i.r.o. Sunni Dam HEP (382 MW)-regarding

Dear Sir,

Kindly find enclosed herewith the monthly statement of muck generated for the month of August, 2025 in respect of Sunni Dam HEP (382 MW) as provided by M/s Rithwik Projects Private Limited (RPPL), the EPC (Engineering, Procurement & Construction) contractor for Sunni Dam HEP for your information, please.

With regards,

For & on behalf of SJVN


Dy. General Manager,
Env & Forest Deptt.
SJVN, SDHEP, Sunni
22/09/2025

Ref.: RPPL/SJVNL/SDHEP/Site/2025/1166

Dated: 15 September 2025

To

The Head of Project (HOP),
SJVN Limited,
Sunni Dam HEP (382 MW),
Sunni, Kol Dam Colony,
Tehsil: Sunni, Distt. Shimla
Himachal Pradesh-171301

Kind attention: - Sh. Rajeev Kumar Agarwal ji.

Name of Works: EPC Contract Package covering Design and Engineering Services,
Civil and Hydro-Mechanical works of Sunni Dam HEP (382MW) Located in Distt.
Shimla and Mandi in Himachal Pradesh

Sub: Submission of monthly details of muck debris disposal for the month of August 2025

Ref: 1. LOA No. SJVN/CHQ/CCD/SDHEP/23-1860 dated 14.01.2023
2. Contract Agreement No. CHQ-02/2023

Dear Sir,

With reference to subject cited above, please find attached herewith muck/ disposal
statement for the month of August'2025.

This is for your kind information and record please.

Thanking you and assuring you for our best services at all the times.

For and on behalf of Rithwik Projects Pvt. Ltd.



Authorized Signatory

परिचयना प्रमुख
विभागाध्यक्ष (विद्युत/पर्यावरण/सुरक्षा)
ग्रामपंचायत एवं सविवा/पीपीएम/
सिद्ध एवं सेवा/मानव संसाधन/
भूमि/सिद्ध/संरचना

राजेश कुमार
16/9/25

CC: General Manager (Environment, Forest and Safety), SJVNL, Sunni Dam HEP (382MW)

Encl.: 1. Monthly statement of muck/debris disposal for the month of August'2025.

Envt. Deptt. SDHEP SUNNI
Diary No. 263
Date 16.09.2025

HOP SDHEP SUNNI
Diary 429
Date 16-9-25

Monthly Statement of Muck/debris Disposal for the month of August 2025 i.r.o. Sunni Dam HEP

Sr. No.	Project component	Muck Generated with swelling factor. (Cum)	Quantity of muck/debris for the month being reported (cum)				Dumped at Dumping site Lunsu (Cum)	Muck stored Safely near the site for Rehandling	Remarks
			Bench development work for job facilities at Right bank. (Cum)	Bench development work for job facilities at Left bank. (Cum)	Protection work for approach roads. (Cum)	Dyke formation /Mucking. (Cum)			
	Open Works								
1	Dam Left Bank	3510	-	-	-	0	3510		
	Dam Right Bank	0	-	-	-	0	0		
2	Power Intake	0	-	-	-	0	0		
	Underground works								
3	Main Access Tunnel	702	-	-	-	0	702		
4	Power House	0	-	-	-	0	0		
5	Adit to Pressure Shaft	0	-	-	-	0	0		
6	Tail Race Tunnel	102.16125	-	-	-	0	102.16125		
7	Transformer Hall	699.3	-	-	-	0	699.3		
	Total	5013.46125	0	0	0	0	5013.46125		



एसजेवीएन लिमिटेड

SJVN Limited

(A Joint venture of Govt. of India & Govt. of Himachal Pradesh)

नवरत्न सी.पी.एस.ई

NAVRATNA CPSE

CIN:L40101HP1988GOI008409

सुन्नी बांध जल विद्युत परियोजना

SUNNI DAM HYDRO ELECTRIC POWER PROJECT



ENVIRONMENT & FOREST DEPARTMENT

No. 16/10/01/015 - 115

Dated: 23-10-2025

To

**The Environment Engineer,
HP State Pollution Control Board,
R.O. Shimla, Phase-III,
New Shimla (H.P.) - 171009
Email- pcbshimla@gmail.com**

Subject: Submission of monthly statement of muck/debris disposal for the month of September, 2025 i.r.o. Sunni Dam HEP (382 MW)-regarding

Dear Sir,

Kindly find enclosed herewith the monthly statement of muck generated for the month of September, 2025 in respect of Sunni Dam HEP (382 MW) as provided by M/s Rithwik Projects Private Limited (RPPL), the EPC (Engineering, Procurement & Construction) contractor for Sunni Dam HEP for your information, please.

With regards,

For & on behalf of SJVN


**General Manager,
Env & Forest Deptt.
SJVN, SDHEP, Sunni**

Ref.: RPPL/SJVNL/SDHEP/Site/2025/1208

Dated: 15 October 2025

To

The Head of Project (HOP),
SJVN Limited,
Sunni Dam HEP (382 MW),
Sunni, Kol Dam Colony,
Tehsil: Sunni, Distt. Shimla
Himachal Pradesh-171301

Kind attention: - Sh. Rajeev Kumar Agarwal ji.

Name of Works: EPC Contract Package covering Design and Engineering Services, Civil and Hydro-Mechanical works of Sunni Dam HEP (382MW) Located in Distt. Shimla and Mandi in Himachal Pradesh

Sub: Submission of monthly details of muck debris disposal for the month of September 2025

Ref: 1. LOA No. SJVN/CHQ/CCD/SDHEP/23-1860 dated 14.01.2023
2. Contract Agreement No. CHQ-02/2023

Dear Sir,

With reference to subject cited above, please find attached herewith muck/ disposal statement for the month of September'2025.

This is for your kind information and record please.

Thanking you and assuring you for our best services at all the times.

For and on behalf of Rithwik Projects Pvt. Ltd.



Authorized Signatory

CC: General Manager (Environment, Forest and Safety), SJVNL, Sunni Dam HEP (382MW)

Encl.: 1. Monthly statement of muck/debris disposal for the month of September'2025.

राजिव कुमार
15/10/25

पारो प्रजापत
15/10/25

19 नवम्बर 25 (पुनः 19/20/25)

Invl. Dept. SDHEP SUNNI
Diary No. 279
Date 16.10.2025

HOP SDHEP SUNNI
Diary No. 514
Date 15/10/25

Monthly Statement of Muck/debris Disposal for the month of September 2025 i.r.o. Sunni Dam HEP											
Sr. No.	Project component Implementing agency, and Contractor Company	Total road length (in km), Commencement date, and present status	Quantity of hill cutting and Muck Generated (Cum)	Quantity of Muck/ debris with 45% swelling factor. (Cum)	Quantity of muck/debris including swell factor the month being reported (cum)	Estimated Quantity of Muck/ Debris Proposed to be utilized	Estimated Quantity of Muck/ Debris Proposed to be Dumped	Name of Dumping Site as shown in plan (Lunsu) (Cum)	Capacity of the Dumping Site (CUM)	Muck stored Safely near the site for Rehandling	Action taken (Number and date of Inspections No. of violation/amount/payment status Stop work order issued)
	Open Works										
1	Dam Left Bank		12480.00	5616.00	18096.00	2714.40	15381.60	1809.60	1119000.00	16286.40	
	Dam Right Bank		1529.00	688.05	2217.05	332.56	1884.49	221.71	1119000.00	1995.35	
2	Power Intake		9800.00	4410.00	14210.00	2131.50	12078.50	1421.00	1119000.00	12789.00	
	Underground works										
3	Main Access Tunnel		1902.43	2758.53	4660.96	699.14	3961.81	466.10	1119000.00	4194.86	
4	Power House		0.00	0.00	0.00	0.00	0.00	0.00	1119000.00	0.00	
5	Adit to Pressure Shaft		0.00	0.00	0.00	0.00	0.00	0.00	1119000.00	0.00	
6	Tail Race Tunnel		3929.50	5697.78	9627.28	1444.09	8183.19	962.73	1119000.00	8664.55	
7	Transformer Hall		676.80	981.36	1658.16	248.72	1409.44	165.82	1119000.00	1492.34	
	Total		30317.73	20151.71	50469.45	7570.42	42899.03	5046.94	-	45422.50	





सत्यमेव जयते

INDIA NON JUDICIAL

Government of Himachal Pradesh

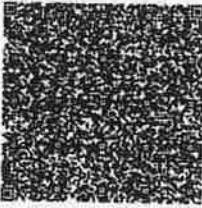
₹10

e-Stamp

₹10₹10₹10₹10

Certificate No. : IN-HP12147838012154W
 Certificate Issued Date : 19-Mar-2024 04:01 PM
 Account Reference : SELFPRINT (PU)/ hp-self/ SUNNI/ HP-SM
 Unique Doc. Reference : SUBIN-HPHP-SELF20694110257858W
 Purchased by : SUNIL SHARMA
 Description of Document : Article 5 Agreement or Memorandum of an Agreement
 Property Description : AGREEMENT WITH SHIVALIK SOLID WASTE MANAGMENT FOR OIL
 Consideration Price (Rs.) : 10
 (Ten only)
 First Party : RITHWIK PROJECTS PVT LTD
 Second Party : SHIVALIK SOLID WASTE MANAGMENT
 Stamp Duty Paid By : RITHWIK PROJECTS PVT LTD
 Stamp Duty Amount(Rs.) : 10
 (Ten only)

DATED- 16-04-2024



₹10

SELF PRINTED CERTIFICATE TO BE VERIFIED BY THE RECIPIENT AT WWW.SHCILESTAMP.COM

IN HP12147838012154W

Please write or type below this line

This AGREEMENT is entered at Nalagarh on this 16th Day of the Month Of APRIL 2024.

BETWEEN

M/s SHIVALIK SOLID WASTE MANAGEMENT LIMITED having its registered office at Village - Majra, P.O. Dabhota, Nalagarh, Distt. - Solan, Himachal Pradesh, a Company registered under the Companies Act, 1956 and currently represented by its CEO Shri Ashok Sharma, Age about 64 years residing at Zirakpur, (PUNJAB) hereinafter referred to as "SSWML", which expression shall where context so requires or admit of, be deemed to include its successors or assignees) of on one Part.



19-Mar-2024 04:01 PM IN-HP12147838012154W

RITHWIK PROJECTS PVT LTD RITHWIK PROJECTS PVT LTD RITHWIK PROJECTS PVT LTD RITHWIK PROJECTS PVT LTD RITHWIK PROJECTS PVT LTD

AND

M/s Rithwik Projects Private Limited Company registered under the companies Act 1956 having its registered office at Village-Chabdi, P.O.-Khaira, Tehsil- Sunni, Dist.-Shimla, Himachal Pradesh-171018 and currently represented by its **Authorized Signatory Project Director Shri Sanjay Kumar s/o Shri Ramnath** age about 55 years, residing at D-1503, Plumeria Garden, Sector-Omicron-3, Greater Noida, Kasana, Gautam Buddha Nagar, Uttar Pradesh-201310 (Hereinafter referred to as **MEMBER** which expression shall where the context so requires or admits of, be deemed to include its successors or assignee) of the other Part.

(Hereinafter referred to as **MEMBER** which expression shall where the context so requires or admits of, be deemed to include its successors or assignee) of the other Part.

AND WHEREAS, the foremost and the sole objective of **SSWML** is to prevent Environmental Pollution Hazards and to observe the existing laws on Environmental Pollution Control.

AND WHEREAS, the **MEMBER** desires to send its **Used Oil/ Waste Oil/ & Lead Acid Batteries** (hereinafter referred to as '**HAZARDOUS WASTE**') to the **SSWML** as per the norms of Himachal Pradesh State Pollution Control Board (hereinafter referred to as "HPSPCB") and the **SSWML** having requisite facilities in this behalf, agrees to receive the **Used Oil/ Waste Oil/ & Lead Acid Batteries** sent by the **MEMBER** on the terms and conditions stated hereunder, which have been mutually agreed to by and between **SSWML** and the **MEMBER**.

AND WHEREAS, the parties hereto have decided to execute a **DEED OF AGREEMENT**:

NOW THIS AGREEMENT WITNESSES and it is hereby, mutually agreed by and between the parties hereto as follows:

1. DEFINATION AND INTERPRETATIONS:

- 1.1. 'TIME' shall be stated in 'Hours' and shall mean Indian Standard Time.
- 1.2. 'DAY' means a period of Twelve (12) consecutive hours beginning at 08:00 hours and ending at 20:00 hours.
- 1.3. 'WEEK' means a period of seven (7) consecutive days beginning from a day.
- 1.4. 'MONTH' means a period beginning at 0800 hours on the first day of calendar month and ending at 0800 hours on the first day of succeeding calendar month.
- 1.5. 'YEAR' means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February, beginning at 0800 hours from a day.
- 1.6. 'FINANCIAL YEAR' means a period of three hundred and sixty five (365) consecutive days or three hundred and sixty six (366) consecutive days when such period includes a twenty ninth (29th) day of February, beginning at 0800 hours from a day.



- 1.7. The headings of or titles to the clauses in this AGREEMENT shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the AGREEMENT.
- 1.8. Words imparting the singular only also include the plural and vice versa, where the context so requires.
- 1.9. The present Agreement is entered in to by SSWML for collection storage, transportation and disposal of **Used Oil / Waste Oil / and Lead Acid Batteries** only of its Members.

2. **PERIOD OF AGREEMENT:**

- 2.1. This Agreement shall come in force, effective from the amendment / change is made in this Agreement.
- 2.2. Both the parties hereto agree that the present Agreement shall automatically come to an end in any of the following eventualities.
 - I) On expiry of Authorization granted to the Member and the same having not been renewed or the same having been not granted by HPSPCB.
 - II) On expiry of the present Agreement, where no fresh Agreement is signed and executed between parties hereto as mentioned above.
 - III) On Authorization to SSWML being cancelled, refused or not granted by HPSPCB.
3. Both the parties hereto further agree that in case of the present Agreement coming to an end owing to any of the aforesaid eventuality, it will be the sole responsibility of the Member to handle and treat its **Hazardous Waste** in accordance with the relevant provisions of Law and that SSWML will not be responsible in any manner whatsoever in respect of the **Hazardous Waste** of the Members.

4. **OBLIGATION OF THE SSWML & MEMBERS:**

- 4.1. For the facility of Members, SSWML will be making an arrangement for lifting the **Used Oil/ Waste Oil/ and Lead Acid Batteries only**, still its discretion of the Member in case want to have his own arrangement with the designated Trucks as per Guidelines of CPCB.
- 4.2. The MEMBER is obliged to pay in the bills raised by SSWML for lifting of Waste Oil in cheque (local account) or demand draft as per mutual understanding.

SSWML will pay to MEMBER for lifting of Used Oil & Lead Acid Batteries, as per mutual understanding.

- 4.3. SSWML will provide manifest Form 10 or Form 6 to the member industries when lift the **Used Oil/ Waste Oil & Lead Acid Batteries**.



- 4.4. The MEMBER alone shall be liable for any action initiated against the MEMBER under Hazardous Wastes (Management and Handling) Rules, 1989 or any other Pollution Laws or any other relevant Provisions of Law for the time being in force, by HPSPCB or any other Authority.

5. TRANSPORTATION:

- 5.1. Transport of **Solid Waste** shall be in accordance with the provisions of Rules issued by the Central Government under Motor Vehicles Act, 1988 and other guidelines issued from time to time and / or subject to the provisions of law for the time being in force.

6. FORCE MAJEURE:

- 6.1. In case of any force majeure, SSWML shall not be saddled with any liability- contingent or otherwise but in that case, it shall be the sole liability to share with the MEMBER.
- 6.2. Both the parties hereto agree that due to change in any Laws related to pollution or due to any directive of any Court or Authority, if **SSWML** is to incur any additional financial burden consequent upon any alteration and / or modification in the site, then, in that case the MEMBER shall be liable to contribute for the same proportionate to its disposal of **Hazardous Waste** in SSWML site.

7. PREVIOUS CORRESPONDENCE:

- 7.1. All discussion and meetings held and correspondence exchanged between **SSWML** and the MEMBER in respect of the AGREEMENT and any decision arrived at therein in the past and before the coming into force of the present AGREEMENT are herein superseded by the present AGREEMENT and no reference of such discussions or meetings or past correspondence shall be entertained by either SSWML or the MEMBER for interpreting the present AGREEMENT or otherwise.

8. LAWS GOVERNING THE AGREEMENT:

- 8.1. The present Agreement shall be subject to Indian Laws, Rules and Regulations and Notifications and Notifications etc., issued under such laws.

9. AMENDMENTS:

- 9.1. SSWML may at any point of time make suitable changes in the present Agreement after serving a notice to the MEMBER.

10. TERMINATION OF AGREEMENT:

- 10.1. SSWML has the unrestricted right to terminate this AGREEMENT by a written notice of **90 days** and deduct its all pending claims for the MEMBER.
- 10.2. This AGREEMENT can be terminated by either party after giving a written notice of at least **90 days** to the other party. If the cancellation is requested by the MEMBER.

4



11. **JURISDICTION:**

11.1. The present Agreement, SSWML and MEMBER mutually agree that the Civil Court at Nalagarh, only shall have jurisdiction for all the disputes/differences arising out of this Agreement.

12. The Address of the parties hereto unless changed by written notification to be given at least **15 days** in advance by registered letter prior to proposed date of change, shall be as follows:


ADDRESS OF PARTIES :

**M/s SHIVALIK SOLID WASTE MANAGEMENT LTD.
VILALGE - MAJRA, P.O. - DABHOTA, TEHSIL - NALAGARH,
DISTRICT - SOLAN, (H.P).**

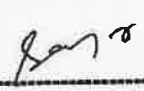
THE MEMBER :

IN WITNESS WHERE OF the parties hereto acting through their properly constituted representatives has set their hands to cause this **AGREEMENT** signed and executed in their respective name(s) and on their behalf.


**For and on behalf of the
SHIVALIK SOLID WASTE MANAGEMENT LTD.**


Name : Shri Ashok Sharma
Designation : CEO
Address : S.C.O.No. 20-21, Kalka
Shimla Highway, Near Hotel Dolphin,
Baltana, Zirakpur, Punjab.


**For and on behalf of the
MEMBER**


Name : Sanjay Kumar
Designation : Project Director
Address : Rithwik Projects PVT.LTD.
Village Khaira PO Chebri
Sunni Distt Shimla 171018

Witness :

1. 
Name : RAHUL VERMA
Address : SO 20-21, 1st floor
Kalka-Chd Highway
Zirakpur, Punjab

Witness :

1. 
Name : Sunil Kumar Sharma
Address: Manager Liaison, RPPL



Annexure - XV

E-Mail

From No. FSH-F (2)-39-148/2017-ARC-Sunni Dam Project- 863
Directorate of Fisheries,
Himachal Pradesh.

To The Director-cum-Warden of Fisheries,
Himachal Pradesh, Bilaspur.

✓ Sr. General Manager (Envt.)
Environment & Forest Department,
SDHEP, (Sunni)
District-Shimla (HP)-172030.
e-mail:- envt.sdhep@sjvn.nic.in

Dated Bilaspur-174001 the, 31/01/24

Subject: - Regarding revised Fisheries Management Plan of Sunni Dam
Hydroelectric Project (382 MW)

Sir,

I invite a reference of your office Letter No. SJVN/SDHEP/E&F/F04/22-727, dated: 23.06.2023 on the subject cited above **In this context**, revised Fisheries Management Plan of Sunni Dam (382MW) hereby enclosed as annexure-A for perusal and further necessary action at your end, please.

Encls : ATA

Yours faithfully,




(Vivek Chandel)HPAS
Director-cum-Warden of Fisheries,
Himachal Pradesh, Bilaspur.
E-mail : fisheries-hp@nic.in
Tel/Fax: 01978-224068

Endst. No.: As above -

Date:

Copy forward to the Secretary (Fisheries) to the Government of Himachal Pradesh, Shimla
2 along with enclosures for favour of information, please.


(Vivek Chandel)HPAS
Director-cum-Warden of Fisheries,
Himachal Pradesh, Bilaspur.
E-mail : fisheries-hp@nic.in
Tel/Fax: 01978-224068

Revised Project Proposal for the Mitigation of Fisheries Losses due to the Construction of Sunni Dam Hydro-Power (382MW) on river Sutlej.

An overview :

Himachal Pradesh is blessed with mosaic of snow fed rivers, streams, their tributaries and distributaries all along its length & breadth. The major rivers are Beas, Satluj and Ravi which along with their tributaries are known from the ages for their precious aquatic biodiversity ranging from larval stages of insects to fish species like indigenous Schizothorax, Salmonids, Carps and mighty Mahseer.

River valley projects interfere with the riverine ecosystem and affect the fishery wealth in the concerned river. Dams act as physical barriers to the breeding and feeding runs of the fish and these results in irrevocable reduction of even extermination of fish fauna.

Satluj Jal Vidyut Nigam Limited (SJVN Ltd.) is implementing Sunni Dam HEP (373 MW) which is now enhanced to 382 MW by constructing 95 high concrete Dam across river Satluj near Village Khaira in Shimla and Mandi district HP and underground power house on right bank. The erection of this dam shall give rise to a 20 Km long reservoir. The dam is located at longitude $77^{\circ}12'39''$ E & latitude $31^{\circ}14'53''$ N. On the upstream of the project, Rampur (412 MW) HEP lies which utilized water discharge of 1500 MW Nathpa-Jhakri project. On the downstream of Sunni dam HEP, 800MW Koldam HPS lies. In between Rampur HPS and proposed Sunni dam project, Luhri HEP stage-I (nearly 50Kms upstream) and Luhri HEP stage-II (between LHEP-I & Sunni Dam) are also proposed. The following alternative studies were carried out to explore the selection of project layout:-

- * **Alternative-1:-** Dam & surface for power house at left bank.
- * **Alternative-2:-** Dam & underground power house at right bank.

Reservoir area:- Due to proposed 95m high concrete dam, a reservoir of about 20 kms in length will be created. It indicates that the reservoir is occupied by khaira quartzite on the lower level and dolomite/lime stone of khatpur formation on the higher levels.

Objectives:- Creation of infrastructure for the production of fish seed to affected cultureable fish species so as to make it available for stocking in open waters and to prospective fish farmers who will be affected by the project.

- * To develop sustainable fishery in Satluj river by stocking species of Indian major carps.
- * To provide source of livelihood to the affected fishermen/ local unemployed youth
- * Assistance to reservoir fishers on the purchase of gill nets and boats etc for fishing in upcoming reservoir.
- * Training to reservoir fishers in creating & operating of gill nets.

Development Strategy:-

The fish species which are of commercial importance and are culturable in captivity are as under:-

- Mahaseer (*Tor putitora*)
- Indian Major Carp (Rohu, Catla and Mrigal)
- Common carps (*Cyprinus Carpio* Hungarian strain)
- Schizothorax (captive breeding under trial)

Ameserika

1..

* Stocking of fish seed in the upcoming reservoir will be done from the existing Departmental seed farm Alsu in district. Mandi (HP) or by purchase from outside agencies.

* Fisheries training camps will be organized to educate the local unemployed youth in the surrounding panchayats to adopt fish culture activities.

* Construction of Hi-tech fish landing centre in the upcoming reservoir.

* Training to reservoir fishermen in casting and operating fish gill nets.

* **Timeline:-** Within two years of the project getting off the ground.

Financial requirements:-

The funds for fisheries Development being provided by SIVNI, are proposed to be utilized as under:-

S/N	Particulars/Item	Cost (Rs. Lakhs)
01	Assistance to 20 local fishermen/unemployed youth by purchasing fish cart @ approx. 30000/- per cart.	6.00 Lakhs.
02	Assistance to 50 reservoir Fishers for the purchase of gill nets @ 5000/- each and on the purchase of boat Rs. 40,000/- each	22.55 Lakhs
03	Training to fishermen likely to be brought under co-operative fold.	5.00 Lakhs
04	Training camps to project affected local unemployed youth in the surrounding panchayats for adopting aquaculture activities.	5.00 Lakhs
05	Purchases, transportation & stocking of fish seed (IMC-Hungarian Common Carp) in the upcoming reservoir @ 1.0 Lakh per year for at least ten years.	24.10 Lakhs
06	Augmentation of alternative water supply to Departmental Masheer fish Farm, Nagar-Sunni in Shimla Distt. From where the seed will be provided for stocking in the upcoming reservoir.	40.00 Lakhs
07	Construction of Hi- tech fish landing centers	71.00 Lakhs
08	Total	173.65 Lakhs
	Departmental Charges @ 10%	17.365 Lakhs
	Grand Total	191.015 Lakhs or say 191.0 Lakhs

Email

No. FSH-F (2)39-148/2017-ARC-SUNNI DAM PROJECT- 14060
 Directorate of Fisheries,
 Himachal Pradesh.

From

The Director-cum-Warden of Fisheries,
 Himachal Pradesh.

To

General Manager (Envt.)
 SJVN, SDHEP, (Sunni)
 District-Shimla (H.P) 172030.
 Email:- envt.sdhep@sjvn.nic.in

Dated Bilaspur-174001 the. 10 Jan 2025.

Subject: - Regarding status of implementation of Fisheries Management Plan.

Sir,

This is with reference to your letter No.16/10-01/004-1130 dated 29.11.2024 on the subject cited above. In this regard it is to inform that out of Rs.191.00 Lacs of the fisheries development funds received from Sunni Dam (382 MW), a sum of Rs. 40:00 Lacs (Rupees Forty Lacs) only has been utilized as given below :

S.No.	Name of the Work	Amount
1	Augmentation of alternative water supply to Departmental Masheer fish Farm, Nagar-Sunni in Shimla District.	40.00 Lacs.
	Total	40.00 Lacs.

Further, the department is in process of utilizing the remaining funds i.e. Rs. 151.00 Lacs at the earliest.

Encl: As above.

Yours faithfully,

Signed by

Vivek Chandel

Date: 09-01-2025 11:23:44

(Vivek Chandel)IAS
Director-cum-Warden of Fisheries,

Himachal Pradesh, Bilaspur.

E-mail : fisheries.hp@nic.in

Tel. Fax: 01978-224068

Encls No. -As above- 14061

Copy to:-

Dated:- 10/1/25

The Assistant Director of Fisheries, Shimla, District Shimla H.P. for information and necessary action. He is directed to submit the proposal for fisheries development in Shimla district as per current requirements. Keeping in view the provisions of management plan approved by the Govt.

(Vivek Chandel)IAS
Director-cum-Warden of Fisheries,

Himachal Pradesh, Bilaspur.

E-mail : fisheries-hp@nic.in

Tel Fax: 01978-224068

UTILIZATION CERTIFICATE

Certified that out of the sum of Rs. 191.00 Lacs (Rupees One crore ninety one lacs) only received from M/S SJVN Limited District Shimla on account of establishment of SUNNI DAM (382 MW), an amount of Rs. 40.00 Lacs (Rupees Forty lacs) only was allocated for Augmentation of alternative water supply to Departmental Masheer fish Farm, Nagar-Sunni in Shimla District and has been utilized.

Balance amount of Fisheries Development Funds Rs. 151.00 Lacs (Rupees One crore fifty one lacs) only will be utilized on fisheries related development programs in the affected areas in near future.

Signed by

Vivek Chandel

Date: 09-01-2025 11:20:52

(Vivek Chandel) IAS

Director-cum-Warden of Fisheries,
Himachal Pradesh, Bilaspur.

E-mail : fisheries.hp@nic.in

Tel Fax: 01978-224068

g/c.



OFFICE OF HP STATE COMPENSATORY AFFORESTATION FUND
MANAGEMENT AND PLANNING AUTHORITY (HP STATE CAMPA),
ARANYA-BHAWAN, TALLAND, SHIMLA - 171 001

Annexure- XVII



No. Ft. CAMPA/07/2010/CAT Plan General/Vol. III/

Dated: 21 JUN 2025

From: Chief Executive Officer
HP State Authority CAMPA
Talland Shimla-1

To: General Manage,
Env & Forests Deptt.
SJVN, DDHEP, Sunni

Subject: Proposal for seeking prior approval of the Central Government under Section 2 of the Forest (Conservation) Act, 1980 for diversion of 397.8863 ha forest land in favour of SJVN Lt. for construction of Sunni Dam Hydroelectric Project (382 MW) within the jurisdiction of Shimla, Kotgarh and Karsog Forest Divisions, in District Shimla and Mandi, Himachal Pradesh (Online Proposal No. FP/HP/HUD/31019/2017) -regarding CAT Plan & CA Scheme implementation status.

Sir,


This is with your office letter no. SJVN/SDHEP/Envt. & Forest/F-03/2024/118-1121 dated 25.11.2024 on the subject cited above.

2. The requisite information on the subject cited above in respect of Compensatory Afforestation Scheme against the Sunni Hydrel project carried out in the different divisions of the HP Forest Department including the Advance / Plantation works proposed during the year 2025-26 is tabulated as under:-

Name of FCA Case	Name of Division	Total Area Diverted	Total Area Stipulated	Total Area take up for plantation including proposed planation in the current year i.e 2025-26	Remarks
Diversion of 397.8863 hac. forest land in favour of SJVN Ltd for the construction of Sunni Dam Hydroelectric Project (382 MW) within the jurisdiction of Shimla, Kotgarh and Karsog Forest Divisions in District Shimla and Mandi Himachal Pradesh (Online PROPOSAL NO FP/HP/HYD/31019/2017)	Kotgarh	37.3859	150	120	Total Area shown in the area taken up for planation in the current financial year (2025-26)
	Ani	0	25	25	
	Karsog	200.4394	269.2642	269.2642	
	Solan	0	155.5	155.5	
	Shimla	159.3484	0	0	
	Nahan	0	37	37	
	Rajgarh	0	90	0	
	Rampur	0	46.5	0	
	Dehra	0	5	0	
	Renukaji	0	10	0	
Thoeg	0	10	0		
Total		397.1737	798.2642	606.7642	

This is for favour of information and necessary action at your end please.

Yours Sincerely,


Chief Executive Officer,
HP State Authority Talland, Shimla - 1.

एसजेवीएन लिमिटेड
SJVN Limited

(भारत सरकार एवं हि.प्र. सरकार का संयुक्त उपक्रम)

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)

A Mini Ratna & Schedule "A" PSU

CIN : L40101HP1988GOI008409

सुन्नी बांध जल विद्युत परियोजना

SUNNI DAM HYDRO ELECTRIC PROJECT

HR Department

E-mail: hr.sdhep.sunni@sjvn.nic.in



संदर्भ: SJVN/HEP-II/SDHEP/HR/23- 2539-40

दिनांक: 29.03.2023

To

The Land Acquisition Collector,
SDHEP, Sunni.
Distt. Shimla (H.P)

Sub: - Intimation of dedicated bank account in favour of Land Acquisition Collector, SDHEP

Sir,

Kindly refer to letter of Deputy Commissioner Shimla and Deputy Commissioner Mandi vide their letter no. SML-Rev (Land Acq)- 2021/- 5305 dated 28.03.2023 and MND-SR-DRA/Rev/2023-9775-83 dated 29.03.2023 with regard to deposit of cost of approved R&R Scheme of Distt. Shimla and Mandi respectively. It is therefore requested to provide account details to this office so that the amount can be deposited by SJVN on 31.03.2023 positively please.

Yours Sincerely

(Baljeet Singh)
GM(HR)

NT
29/3/23
No 141
30/3/23

CC:

1. CGM-HOP, SDHEP, Sunni:-for kind information.

परियोजना कार्यालय : एसजेवीएन, सुन्नी बांध जलविद्युत
परियोजना, कोल डैम कलोनी, सुन्नी जिला शिमला -
171301
दूरभाष: 0177-2786622, फ़ैक्स: 0177-2786895
E-mail : www.sjvn.nic.in

Project Office: Sunni Dam Hydro Electric Project, SJVN Kol
Dam Colony, Sunni, District Shimla - 171301
Tele : 0177-2786622, Fax : 0177 2786895
E-mail : www.sjvn.nic.in

कॉर्पोरेट मुख्यालय : शक्ति सदान 'शमन', शिमला
- 171006 (हि. प्र.)

Corporate H.Q: Shakti Sadan Shanan, Shimla- 171006
(H.P.)

अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें

SAVE ENERGY FOR BENEFIT OF SELF AND NATION

Office of Land Acquisition Collector

SJVN, Sunni Dam Hydro Electric Project, Sunni
Kol Dam Colony, Sunni, Distt. Shimla (H.P)

Ref: LAO/SDHEP, Sunni/22- 427 - 28

Dated: - 30 - 03 - 2023

To

General Manager (HR)
SDHEP, Sunni.

Sub: - Intimation of dedicated bank account in favour of Land Acquisition Collector, SDHEP.

Sir,

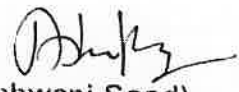
Please refer to your office letter no. SJVN/LHEP-II/SDHEP/HR/23-2539-40 dated 29.03.2023 on the above cited subject.

In this regard, the detail of the bank accounts, in which the cost of approval R&R Plan of Distt. Shimla i.r.o. SDHEP is to be deposited, are as follows:

S. N.	Description	Detail	Amount to be deposited
1.	R&R Cost of Distt. Shimla (Khaira, Jaishi & Bharara)	A/c N.: 50100490915200 Name: Collector Land Acq. RNR Shimla Bank: HDFC Bank Ltd., Main Bazar, VPO Sunni. Branch Code: 4473 IFS Code: HDFC0004473	55,22,06,000/-
2.	R&R Cost of Distt. Shimla (Lunsu, Talah, Ogli, Kothi, Malgi, Bathora, Pandoa, Grehna, Junjhun & Majrog)	A/c N.: 922010048028666 Name: Land Acq. Collector, SDHEP, (R&R Shimla) Bank: Axis Bank, Sanjauli, Shimla, HP Branch Code: 4714 IFS Code: UTIB0004714	50,84,67,000/-

Thanking you,

Yours faithfully,


o/c (Ashwani Sood)
Land Acquisition Collector
SJVN Ltd., SDHEP Sunni

Copy to : CGM-HOP, SDHEP

Office of Land Acquisition Collector

**SJVN, Sunni Dam Hydro Electric Project, Sunni
Kol Dam Colony, Sunni, Distt. Shimla (H.P)**

Ref: LAO/SDHEP, Sunni/23- 429-30

Dated: -31-03-2023

To

General Manager (HR)
SDHEP, Sunni.

Subject: - Intimation of dedicated bank account in favour of Land Acquisition Collector, SDHEP.

Sir,

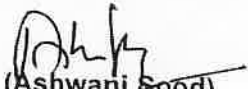
Please refer to your office letter No. SJVNL/LHEP-II/HR/23-2539-40 Dated 29.03.2023 on the subject cited above.

In this regard, the detail of bank account, in which the cost of approval R&R plan of Distt. Mandi i.r.o. SDHEP is to be deposited, is as follows:

Sr.No	Description	Detail	Amount to be deposited
1.	R&R cost of Distt. Mandi	Account no. 41796559193 Name: Land Acquisition Collector R&R Mandi IFSC SBIN0015030 Bank SBI Sunni Branch code 15030	17,59,34,000

Thanking you

yours faithfully


(Ashwani Sood)
Land Acquisition Collector
SDHEP, Sunni

o/c

Copy to : CGM -HOP, SDHEP Sunni

The health check-up camp organizes for women at Marola and financial assistance amounting to Rs. 25,000/- is proposed to be sanctioned in favour of M/s Mahila Shakti Mandal.



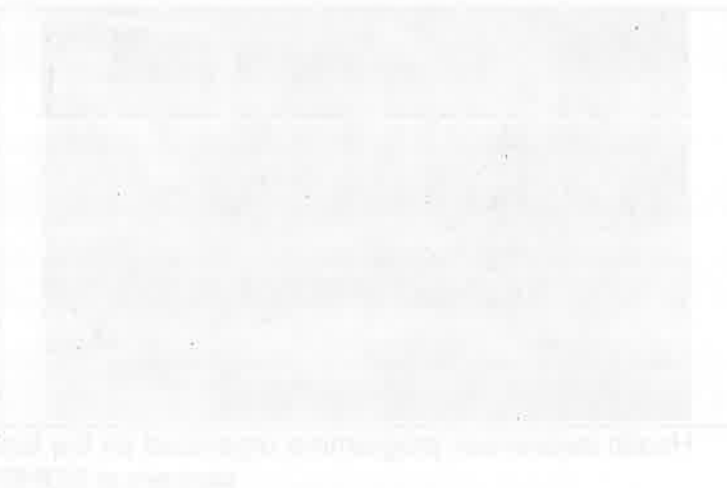
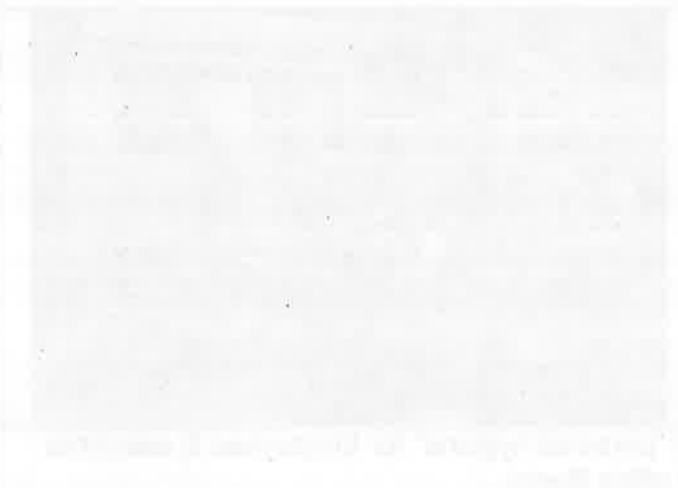
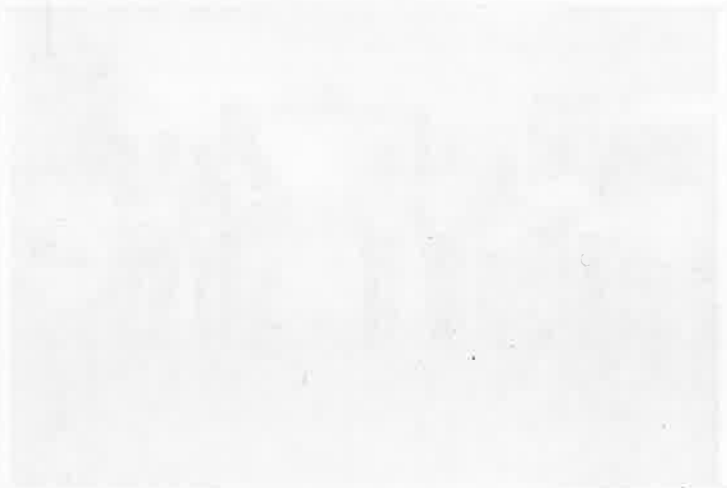
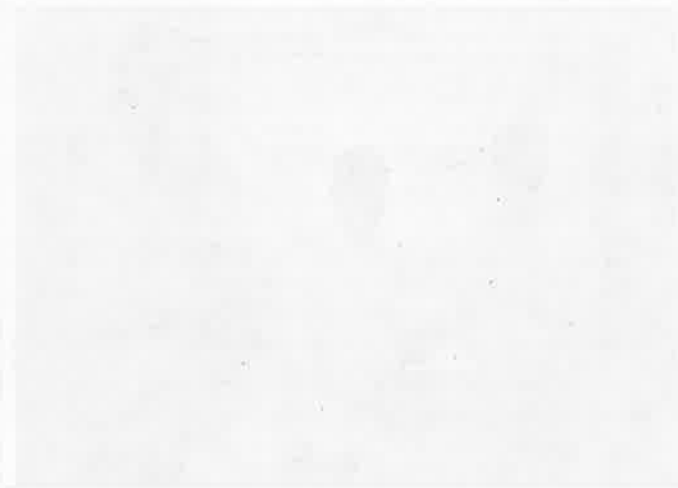
Swachhta kits were distributed to safaai workers of Nagar Panchayat, Sunni and other safaai workers by Sh. Rajiv Kumar, Chief General Manager/ HOP- SDHEP.



Awareness session on personal hygiene & general health check-up camp at Project affected villages in SDHEP.



Health awareness programme organized on the topic "personal hygiene" for Employees & swachhta workers at SDHEP office Sunni.



SJVN Limited

NAVRATNA CPSE

(A joint venture of Govt. of India & Govt. of Himachal Pradesh)
CIN:L40101HP1988GOI008409सुन्नी बांध जल विद्युत परियोजना
Sunni Dam Hydro Power Project

No. 16/10/01/002- ४५ -४५

Dated: ०४-०४-२०२५

To

Chief Conservator of Forests (Shimla)
HP Forest Department
Shimla, H.P. - 171001
Email: 1. head-foreirshi-hp@hp.gov.in
2. shimlaforesteirele@gmail.com

Subject: Regarding constitution of Multi-Disciplinary Committee (MDC) to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of Sunni Dam HEP.

Ref.: EC letter no. J-12011/14/2017-IA.I (R) dated 04.02.2022 for Sunni Dam HEP 382 MW).

Sir,

Kind reference is invited to Environment Clearance issued to the Sunni Dam HEP wherein it is stipulated for the constitution of Multi-Disciplinary Committee (MDC). The matter has been pursued with the MoEF&CC in the past and the committee is yet to be approved. Lately it has been advised by the MoEF&CC to process the proposal through the State Government (**Annexure-I**).

In view of the above, the draft constitution of MDC is enclosed for perusal and further transmittance to the Member Secretary, (River valley and Hydro Projects), MoEF&CC (**Annexure-II**). It is requested to constitute MDC to oversee implementation of various safeguards proposed in EIA/EMP Report of Sunni Dam IIEP, SJVN Ltd during construction period of the project.

Thank you,

For and on behalf of SJVN

Yours Sincerely,

General Manager (Envt.)
SJVN, SDHEP, Sunni

Copy to:

- DFO (Shimla Division), HP Forest Department, Office at Shimla, Shimla, Email: head-fordivshi-hp@hp.gov.in; dfoshimla@gmni.com

No. J-12011/14/2017-IA-I(R) [E-69444]
Government of India
Ministry of Environment, Forests & Climate Change
(Impact Assessment Division)

Indira Paravaran Bhawan,
Vayu Wing, IIIrd Floor,
Jor Bagh Road, Aliganj,
New Delhi - 110 003
Dated : 8th July, 2025

To,
The Chief General Manager,
SJVN Limited,
SJVN Corporate Office, Environment Department, Shakti Sadan, Shanani,
Shimla, Himachal Pradesh-171006

Subject: Proposal for Constitution of Multi-Disciplinary Committee (MDC) for Sunni Dam Hydro Electric Project (SDHEP) – reg.

Reference: SJVN Letter No. 16/10/01/002-50 dated 12.06.2025

Sir,

This has reference to the above-mentioned letter regarding the constitution of a Multi-Disciplinary Committee (MDC) as stipulated in the environmental clearance conditions for the Sunni Dam Hydro Electric Project (SDHEP).

In this context, it is informed that the proposal for constitution of the MDC is to be routed through the State Government to this Ministry. It is, therefore, requested to prepare the necessary proposal and submit the same to the concerned department of the State Government for onward submission to this Ministry.

Yours faithfully,


(Dr. Krishnendu Mondal)
Scientist 'D'

Email: krishnendu.mondal@gov.in