



Chenab Valley Power Projects Limited

A Joint Venture of NHPC Limited (A Govt. of India Navratna Enterprise) &
(JKSPDC (A Govt. of J&K Undertaking))
CIN-U40105JK2011GOI003321

HOP Secretariat
Kwar HE Project
Chenab Nagar, Sector-2,
Kishtwar, (J&K) – 182206
Ph. 01995-259230
Email: hopkwar@cvppindia.com

CVPP/KWAR/HoP/2025-26/412

Date: 18/11/2025

Deputy Inspector General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Sub-Regional Office, Jammu,
Plot No.379-A, Gandhi Nagar,
Jammu – 180004.

E-mail: iro.jammu-mefcc@gov.in

Sub: Kwar HE Project (540 MW) in District Kishtwar, J&K: Submission of Environment Clearance Compliance Report (ECCR).

Ref: Environmental Clearance granted to the Project vide MOEF&CC letter no. J-12011/4/2010-IA.1 dated: 10.04.2017.

Sir,

With reference to the above cited subject, please find enclosed the Six-Monthly Progress Report on Environmental safeguards in Compliance to the Environment Clearance letter under reference, in respect of Kwar HE Project (CVPPL), for the period ending September, 2025.

Thanking you.

Encl: As Above (Annexure-I).

Yours sincerely,

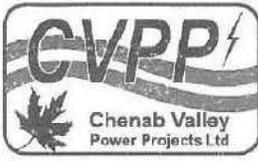
(S.K. Giri)

General Manager (I/c)-HoP
Kwar H.E Project

Email: hopkwar@cvppindia.com

Copy to:

1. Director, Impact Assessment Division-1, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj, New Delhi- 110003.
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KWAR H.E. PROJECT (540MW), Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.
Fax no. 01995-259230

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ANNEXURE-I

Six Monthly Environment Clearance Compliance Report (ECCR) for Kwar HE Project (540MW), in District Kishtwar of J&K State (September, 2025)

1	Name of Project	Kwar HE Project (540 MW) (CVPL)						
2	Type of Project	Hydro Electric Project						
3	Clearance letters OM No. and date (a) Environment Clearance (b) Forest Clearance	(a) Letter No. J-12011/4/2010-IA.I Dated: 10.04.2017 (b) i) Letter No. 268- FST of 2014 dated 08.08.2014 of GoJK (for 29.75 ha forest land). ii) Letter No.9-JKB-052/2021-Jammu dated: 25/01/2022. (for 2.4 ha forest land)						
4	Locations (a) District (s) (b) State (c) Latitude (d) Longitude	a) Kishtwar b) Jammu and Kashmir c) 33°21'01"N d) 75°53'39"E						
5	Address for Correspondence (a) Address of concerned Project Head (with Pin code, Telephone/Fax no.) (b) Address of concerned HOD in Corporate Office (with Pin code, Telephone/Fax no.)	(a) General Manger (HOP), Kwar HE Project Chenab Valley Power Projects (Pvt.) Ltd. Chenab Nagar-II, Kishtwar J&K. Pin code- 182206 Telephone:- 01995259230 Email: hopkwar@cvppindia.com (b) Managing Director, Chenab Valley Power Projects (Pvt.) Ltd. Chenab Jal Shakti Bhawan, Opp. Saraswati Dham, Rail Head Complex Jammu- 180012, J&K Phone/ Fax: 0191 2479826/ 2479835						
6	Detail of Environmental Management Plan	Environmental Management Plans to be implemented at the project are: <table border="1"> <thead> <tr> <th>S. No.</th> <th>EMP</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Biodiversity Conservation & Management Plan</td> </tr> <tr> <td>2.</td> <td>Catchment Area Treatment Plan (CAT)</td> </tr> </tbody> </table>	S. No.	EMP	1.	Biodiversity Conservation & Management Plan	2.	Catchment Area Treatment Plan (CAT)
S. No.	EMP							
1.	Biodiversity Conservation & Management Plan							
2.	Catchment Area Treatment Plan (CAT)							

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		3. Fisheries Development Plan
		4. Solid Waste Management Plan
		5. Public Health Delivery System
		6. Energy Conservation Measures
		7. Muck Disposal Plan
		8. Landscaping & restoration Plan
		9. Air & Water Management Plan
		10. Reservoir Rim treatment Plan
		11. Compensatory Afforestation plan
		12. Rehabilitation & Resettlement Plan
		13. Environmental Monitoring Programme
		14. Disaster Management Plan
7	Breakup for Project area (Land details)	Forest Land: 32.15 ha Private Land: 17.03 ha State Land: 20.72 ha River bed land: 65.85 ha Total Land: 135.75 ha
8	Breakup of Project affected population with enumerations of those losing house/dwelling units only, agriculture land only, both house and agriculture land and landless labours / artisans. (a) SC/ST/Adivasis (b) Others	No of affected Villages : 5 <i>PAF Details as originally estimated</i> Total PAFs : 63 Displaced PAFs : 29 Non-Displaced PAFs : 34 (a) Scheduled Tribe : 19 families. (b) Others : 44 <i>PAF details as per title verification by Revenue Department for final disbursement of compensation and R&R benefits:</i> Displaced PAFs : 04 Non-Displaced PAFs : 23 Total PAFs : 27 Scheduled Tribe : 08 families
9	Financial Details (a) Project cost as originally planned and subsequent revised estimates and the year of price reference (b) Actual expenditure incurred on the Project so far (c) Allocation made for Environment Management Plan (d) Actual expenditure incurred on EMP so far	Sanctioned cost as per CCEA Clearance 4526.12 Cr. (Sept 2020 PL) Actual expenditure: 1227.92 Cr. (till September 2025) Allocations for EMP: 137.35 Cr. (approved by MoEF&CC) Actual expenditure incurred on EMP:



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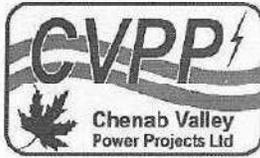
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S.No.	Component	Expenditure (Rs. in Lakh)
i.	Payment released on account of Forest Clearance (including NPV/Compensatory Afforestation Plan/Compensation for trees)	383.24
	Payment released towards extraction of Forest Trees	4.83
ii.	Implementation of R&R Plan (Deposited with Commissioner R&R)	500.00
iii.	Fisheries Development Plan (Deposited with Fisheries Dept.)	798.59
iv.	Biodiversity Management Plan (Payment released into CAMPA in Dec 2024)	140.47
v.	Catchment Area Treatment Plan (Payment released into CAMPA on 29.03.2025)	2930.35
vii.	Public Health Delivery System*	179.04
viii.	Energy Conservation Measures*	882.80
ix.	Muck Disposal Plan	897.03
x.	Air & Water Management Plan* #	7.84
xi.	Solid Waste Management Plan*	245.93
	Total	6970.12

* Includes the expenditure incurred by Contractor as per the Contract Agreement.

Reflects only the expenditure on air, water and noise quality monitoring and does not include the expenditure of 213.84 lakh incurred by contractor under contract provisions for dust suppression measures in project area.



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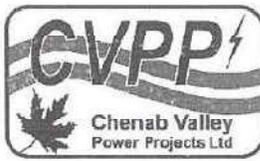
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10	<p>Forest Land Requirements</p> <p>(a) Status of approval diversion of Forest Land for non-forestry use</p> <p>(b) The status of clear felling of trees in Forest Land</p>	<p>(a) Forest clearance for diversion of 29.75 ha forest land from GoJK obtained vide Order no. 268- FST of 2014 dated 08.08.2014.</p> <p>(b) Forest clearance for diversion of 2.4 ha forest land from Integrated Regional Office, Jammu (MOEF&CC) obtained vide Letter No.9-JKB-052/2021-Jammu dated: 25/01/2022</p> <p>(c) Tree felling at work sites has been completed by J&K Forest Corporation. The diverted forest land has been taken over from Forest Department.</p>
11	<p>Status of Construction</p> <p>(a) Date of commencement (actual and/or planned)</p> <p>(b) Date of completion (actual and/or planned)</p>	<p>(a) Date of commencement: Work Awarded vide LOA dated 11.05.2022</p> <p>(b) Date of completion (planned): 54 months</p>
12	<p>Reasons for the delay (If the Project is yet to be started)</p>	<p>Work Awarded vide LOA dated 11.05.2022</p>
13	<p>Details of Site visits</p> <p>(a) By Monitoring Committee</p> <p>(b) By Regional Office</p>	<p>Nil</p> <p>Site visit conducted by Deputy Director, Sub Regional Office, Jammu on 11.05.2024. Monitoring Report dated 24.09.2024 was forwarded by Sub Regional Office to MoEF&CC and thereafter a Show Cause Notice dated 05.11.2024 was issued by MoEF&CC. Point-wise reply to Show Cause Notice stands submitted to MoEF&CC vide letter dated 25.11.2024.</p> <p>Site visit was again Conducted by Dy. Director, Sub-Regional Office, Jammu on 11.07.2025 and the review report thereof has been submitted to MOEF&CC on 22.08.2025.</p>
14.	<p>Brief note on the status of compliance of the conditions stipulated by MOEF&CC</p>	<p>Details are enclosed as Annexure-II.</p>



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ANNEXURE-II

Status of Compliance to the conditions stipulated by MoEF&CC, Govt. of India vide Environmental Clearance letter no. J-12011/4/2010-IA-I dated 10.04.2017

S. No.	Conditions	Compliance Status
Specific Conditions		
i	As and when the Cumulative Impact Assessment & Carrying Capacity Studies (CIA & CCS) of the Chenab River Basin of J&K is carried out, the recommendation therein for Kwar HEP shall be followed by PP.	Shall be complied.
ii	The Catchment Area Treatment Plan (CAT) as has been proposed in the EMP shall be strictly implemented in consultation with the J&K State Forest Department. Major works of CAT shall be completed before impounding of reservoir. The CAT plan will be implemented in 5 years' time and the maintenance work shall be undertaken for next 5 years. Financial allocation of Rs. 2930.56 lakhs for CAT plan implementation shall be fully utilized and not be diverted for any other purpose. As per CAT plan, the area to be treated is 2211 ha.	<p>Being Complied</p> <p>As per the instruction of PCCF (HOFF), GoJK, CAT Plan was got revised (through a NABET accredited consultant) in consultation with Forest Department and Soil & Water Conservation Department. The revised CAT Plan was approved by PCCF (HoFF), J&K Forest Department vide Approval Letter dated 23.01.2025.</p> <p>Requisition for deposition of approved amount of Rs. 2930.35 lakh was received vide DFO Kishtwar letter dated 21.03.2025. The requisitioned funds stand deposited into CAMPA Account on 29.03.2025.</p> <p>As per Minutes of review meeting chaired by PCCF (HOFF), J&K Forest Department held on 22.08.2025, the plan stands approved by Executive & Steering committees of J&K CAMPA and has been submitted to National CAMPA for approval, which is awaited. (Annexure-IIa)</p> <p>National CAMPA is yet to transfer funds to J&K CAMPA. Implementation of Plan shall start upon approval by National CAMPA and transfer of funds to J&K CAMPA.</p> <p>Forest Department has been requested to provide current status vide letter dated 04.11.2025. (Annexure-IIb)</p>

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(Handwritten Signature)



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iii	<p>Land acquired for the project shall be suitably compensated with the prevailing guidelines and all commitments made during the public hearing shall be fulfilled. The R&R benefits for the Project Affected Person (PAPs) should be adequately compensated for loss of assets and assisted to re-establish their livelihoods. The assessment has been made as per the norms of the National Rehabilitation & Resettlement Policy (NRRP), 2007 and guidelines of J&K State Government. The project affected population should be resettled and rehabilitated as per the Jammu & Kashmir state R&R policy. All R&R issues shall be completed before commissioning of the project.</p>	<p>Being Complied. GoJK has approved the R&R plan of the project vide Govt. Order No.-44- DMRR&R of 2018 dated 03.08.2018. DC Kishtwar has been appointed as Commissioner R&R vide GoJK Order dated 03.03.2020. Approved cost of R&R plan is Rs. 35.83 Crore including the cost of Rs. 13.54 Crore towards local area development plan (LADP). Implementation of Rehabilitation and Resettlement (R&R) Plan: As per the requisition received, an amount of Rs.5.00 Crore has been released in favour of DC, Kishtwar on 14.12.2022 for implementation of R&R Plan. Till date an amount of Rs.194.71 lakh has been released to the eligible PAFs as individual benefits. Local Area Development Plan (LADP): The works to be executed under LADP have been approved by Empowered Committee of GoJK. Till date an expenditure of Rs.166.256 lakh has been incurred by Commissioner R&R on LADP works. The details as received from Commissioner R&R/Deputy Commissioner Kishtwar are enclosed. (Annexure-IIc)</p>
iv	<p>Implementation of R&R plan is to be closely monitored by the state Authority and is to be ensured that all Project Affected Families (PAF's) shall get adequate & timely compensation.</p>	<p>Being Complied Review of R&R Plan and its components: GoJK constituted the Empowered Committee under the Chairmanship of Chief Secretary, GoJK to finalize and monitor the implementation of R&R plan of Kwar HEP vide G.O. No. 1281-GAD of 2017 dated 09.10.2017. The implementation of R&R Plan is being reviewed from time to time by DMRR&R Department, GoJK as well as by the Chief Secretary GoJK and the Empowered Committee so as to expedite the implementation of approved R&R Plan. Latest Meeting Notice and MoM are enclosed as-Annexure-IIId As informed by Commissioner R&R, the admissible individual R&R benefits stand</p>

Jan 25



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		disbursed to the eligible PAFs. Till date an amount of Rs.194.71 lakh stands disbursed. Till date an expenditure of Rs.166.256 lakh has been incurred by Commissioner R&R on LADP works. (Annexure-IIc)
v	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.	Review of R&R Plan and its components: Implementation of R&R Plan is reviewed by the Principal Secretary, Department of Disaster Management, Relief, Rehabilitation & Reconstruction, GoJK and also by the Chief Secretary, UT of J&K. In this regard, the meeting notices and minutes of review meetings held under the Chairmanship of the Chief Secretary, J&K, Principal Secretary GoJK are attached as Annexure-II d Project has requested Dy. Commissioner, Kishtwar for constitution of the committee (Annexure-IIe)
vi	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	Being Complied. R&R Plan approved by the GoJK is being implemented. An amount of Rs.5.00 Crore has been released in favour of Commissioner R&R i.e. DC Kishtwar on 14.12.2022 for implementation of R&R Plan. R&R Plan has been prepared by District Administration duly considering the aspirations and demands of local people. The R&R Plan includes an amount of Rs.13.54 Crore earmarked for development of infrastructure and social & community development activities under Local Area Development Plan (LADP). Accordingly, the Local Area Development Plan was formulated by DC Kishtwar (i.e. Commissioner R&R) in consultation with all stakeholders and the same was subsequently approved by the Empowered Committee. An expenditure of Rs.166.256 lakh has been incurred till date on approved infrastructure works. Out of total 16 Nos. of works, 02 works have been completed and 14 works are at different stages of execution. (Annexure-IIc)



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vii	A minimum environmental flow of 16.49 cumec during lean season (December to March), 74.09 cumec during monsoon season (June to September) and 16.79 cumec during remaining four months (October-November & April-May) shall have to be maintained. On line monitoring system for the e-flow releases measurement shall be installed and data be displayed at appropriate site for civil society and stake holders. Six monthly results shall be submitted to the regional office of the Ministry.	<p style="text-align: center;">Shall be complied</p> <p>The release of e-flows specified in the EC letter for different seasons post project commissioning shall be fully complied.</p> <p>Online monitoring system for flow measurement shall be installed and further, six monthly results/ data shall be submitted to Regional Office of the Ministry.</p>
viii	Dumping and consolidation/compaction of the muck shall be carried out only in the designated muck dumping sites as submitted in the EIA/EMP report. As per the proposed muck disposal plan given in EMP, out of the 38.73 lakh m ³ of muck to be generated, 8.13 lakh m ³ will be reused in various project components and remaining 30.60 lakh m ³ will be dumped at 3 designated disposal sites in an allocated area of 34.35 ha. The dumping sites shall be more than 30 m away from the HFL of the river and the toe walls for muck disposal sites shall be constructed at least 30 m away from HFL of River. Allocated grant of Rs. 3,419.30 lakhs shall be fully utilized and not to be diverted for any other purpose.	<p>Being Complied.</p> <p>The suitable portion of excavated muck is utilized by the contractor in construction activities, construction of retaining structures, roads, developing job facility areas etc.</p> <p>The disposal of remaining muck is done at the designated dumping sites only. The dumping sites have been protected by providing adequate toe walls to avoid spillage of muck.</p>
ix	Proposed Compensatory Afforestation Programme in 59.50 ha of degraded forest area shall be undertaken in consultation with State Forest Department. Allocated grant of Rs. 385.03 lakh shall be fully utilized and not to be diverted for any other purpose.	<p>Being Complied</p> <p>A) Requisite amount of Rs 3.44 Cr was deposited with Forest Deptt. for diversion of 29.75 Ha of Forest land including Rs 41.65 lakhs towards compensatory afforestation.</p> <p>B) Requisite amount of Rs 37.977 Lakh was deposited with J&K CAMPA for diversion of 2.4 Ha of Forest land including Rs 9.10958 lakhs towards compensatory afforestation</p> <p>The plan has been implemented by J&K Forest Department as per Utilization Certificate issued by DFO Kishtwar vide letter dated 04.06.2024.</p>
x	Landscaping & Restoration Plan as proposed in EMP Report, shall be developed. The proposed plan includes Treatment of Borrow Pits and Quarry Sites,	<p style="text-align: center;">Shall be complied.</p> <p>Presently the project construction works are in full swing and sites/locations are not</p>



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	Landscaping & Restoration and Greenbelt development. Local indigenous varieties of plants to be planted and maintained till their full growth including gap filling. The implementation shall be undertaken in consultation with State Forest Department. The allocated budget of Rs. 224.04 lakhs shall be fully utilized for this purpose and not to be diverted to any other purpose.	available for green belt development. The green belt development works and restoration works for quarry sites etc. shall be undertaken in consultation with J&K Forest Department as per site availability.
xi	Solid waste Management Plan as proposed in the EMP report shall be implemented, the plastic waste generated should be disposed of by recycling and not by land filling. Allocated grant of Rs 221.60 lakh shall be fully utilized and not to be diverted for any other purposed.	Being Complied. Sufficient number of waste bins have already been provided at several locations in residential areas, office areas and project area for collection and segregation of solid waste. The organic waste (primarily food waste from common mess facilities) is being managed through composting. The paper/plastic waste/metal waste is being recycled by the contractor through scrap dealers.
xii	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 140.48 lakhs for this purpose shall be fully utilized and shall not be diverted for any other purpose.	Being Complied DFO, Kishtwar Forest Division vide letter dated 15.10.2024 raised the demand of funds against Biodiversity Conservation & Management Plan. The funds (Rs.140.47 lakh) as earmarked in the EMP have been deposited by the Project in J&K CAMPA account on 11.12.2024. As per Minutes of review meeting chaired by PCCF (HOFF), J&K Forest Department held on 22.08.2025, the plan stands approved by Executive & Steering committees of J&K CAMPA and has been submitted to National CAMPA for approval, which is awaited. (Annexure-IIa) National CAMPA is yet to transfer funds to J&K CAMPA. Implementation of Plan shall start upon approval by National CAMPA and transfer of funds to J&K CAMPA. Forest Department has been requested to provide current status vide letter dated 04.11.2025. (Annexure-IIf)

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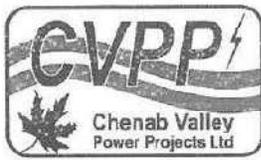
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	Proposed Reservoir Rim Treatment Plan with both biological and engineering measures shall be implemented strictly. Allocated amount of Rs. 1043.69 lakhs should be fully utilized and shall not be diverted for any other purpose.	Shall be complied.
xiii	The Fisheries Development Plan as proposed in the EMP shall be implemented completely with the State Fisheries Department. As proposed, a fish hatchery shall be developed in 2 ha of area for development of fingerlings for stocking of reservoir and river. The budget of Rs. 798.59 lakhs provided for fisheries development plan should be fully utilized for this purpose and shall not be diverted for any other purpose.	<p>Being Complied</p> <p>Fisheries Department, GoJK has planned to set up a joint Fish Farm for Kiru, Kwar and Kirthai-II HEPs at village Kijai near Gulabgarh. The Fisheries Department vide letter dated 31.05.2024 raised the demand for release of funds for the implementation of same. A payment of Rs 798.59 lakh as earmarked in the EMP has been released by the Project on 09.07.2024.</p> <p>The matter is regularly pursued with the Fisheries Department for implementation of the Plan. The Fisheries Department, vide letter dated 2nd Dec'2024 and 29th May 2025, has informed that acquisition of land required for the establishment of Fish Farm is in progress and requisite funds Rs.277.00 Lakh have been deposited by Fisheries Department with Collector Land Acquisition for the same. (Annexure-IIg).</p>
xiv	Skill mapping of the area to be got conducted, mentioning the skills inherent of the local people, and based on the skill mapping, the training to the youths be incorporated for their appropriate engagement in the Project.	<p>Being Complied.</p> <p>The skill mapping and development plan was got formulated through University of Jammu and the final report was submitted to Dy. Commissioner Kishtwar who is also Commissioner R&R.</p> <p>The plan is being implemented as a component of R&R Plan through Commissioner R&R i.e. Dy. Commissioner, Kishtwar. An amount of Rs.4.15 Crore is available in the approved R&R plan for implementation of Skill Development Plan.</p> <p>As per the latest information available from Commissioner R&R/Deputy Commissioner, Kishtwar a total 75 persons (11 Males and 64 Females) from Project Affected Families of Kwar HEP have given their consent for various training programmes out of whom 66 persons are undergoing training in various</p>



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		courses. The details are as (Annexure-IIc)
xv	Equipment likely to generate high noise levels during construction period or otherwise shall have 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. This shall be strictly complied	Being Complied. The ambient noise levels are being maintained within permissible limits. Monitoring of air water and ambient noise levels is undertaken regularly and the reports are submitted to MoEF&CC along with Six Monthly Compliance report. The latest sampling reports are enclosed (Annexure-II-h)
xvi	The case for diversion of 29.75 ha of forest land for the project has been approved by the J&K State Forest Advisory Committee in its 81 st meeting held on 9 th December 2013 and requisite payment in this regard has also been deposited with the Forest Department. Necessary forest clearance required for the project shall be obtain and informed this Ministry accordingly.	Complied a) Forest Clearance for diversion of 29.75 Ha Forest land was accorded vide Govt. order no: 268-FST of 2014 dated 08.08.2014. b) Forest clearance for diversion of 2.4 Ha Forest land from Integrated Regional Office, Jammu (MOEF&CC) obtained vide No 9-JKB-052/2021-Jammu dt 25.01.2022.
xvii	Any other clearances required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable.	Shall be complied as and when required.
General Conditions		
i	Adequate arrangements for ensuring availability of fuel like kerosene/LPG shall be provided at the project cost for the labourers to be engaged during construction work so that Indiscriminate felling of trees is prevented. The energy conservation measures as provided in EMP shall be fully implemented.	Being complied The same has been included in the contract agreement and is being complied by the contractor. Mess facilities have also been provided by the major contractor to the labourers engaged.
ii	The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit. Periodic health check-up and medical facilities shall also be provided to the labourers during construction period.	Being complied The same has been included in the contract agreement and is being complied by the Contractor. 02 Nos. Ambulances and a dispensary has been provided by the Major Contractor at Project Site. Further Project has provided a state-of-the-art Phacoemulsification (Phaco) Unit (enabling stitch-less and painless cataract surgery), worth Rs.49.50 lakh to District

Corporate Office: Jal Shakti Bhawan, Opp. Saraswati Dham, Rail Head Complex, Jammu -180012 (J&K)

Fax: 0191-2475515, 2479835



CHENAB VALLEY POWER PROJECTS LIMITED

A Joint Venture of NHPC Limited (A Govt. of India Navratna Enterprise) &

JKSPDC (A Govt. of J&K Undertaking)

CIN-U40105JK2011GO103321

KWAR H.E. PROJECT (540MW), Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.

Fax no. 01995-259230

e-mail: hopkwar@cvppindia.com

website: www.cvppindia.com

		Hospital Kishtwar as a part of Public Health Delivery System plan under EMP.
iii	Recreational facilities shall be provided to the labourers.	Being complied The same has been included in contract agreement and is being complied by the Contractor. The common Gym, Indoor Games and Television facilities have been provided by the contractor at site.
iv	Water sprinkling arrangements shall be made to suppress fugitive emissions/ dust.	Being Complied The arrangements for sprinkling of water to control dust emission are in place. Adequate number of water tankers are deployed by Contractor for regular water sprinkling in project area and on project roads.
v	Potable drinking water and proper sanitary facilities shall be provided for the labour force. Proper disposal facilities for solid waste are to be ensured.	Being Complied The same has been included in the contract agreement and is being complied by the Contractor. For disposal of solid waste, sufficient number of waste bins have already been provided at several locations in residential areas, office areas and project area for collection and segregation of solid waste. The organic waste is disposed off into composting pit. The paper/plastic waste/metal waste is being recycled by the contractor through scrap dealers.
vi	Restoration of construction area including muck dumping sites shall be ensured by leveling, filling up of borrow pits, landscaping, etc. The area should be properly treated with plantation.	Shall be complied.
vii	Environmental parameters shall be monitored and "Six monthly monitoring reports" shall be submitted to the Ministry of Environment, Forest & Climate change, New Delhi including its Regional office for their review.	Being Complied. The environmental parameters are being monitored periodically. (Reports Enclosed-Annexure-II-h)
viii	Disaster management plan as provided in EMP shall be implemented in consultation with the District Authorities and early warning system shall be installed.	Being Complied The DMP approved as part of EMP is linked with commissioning of the project as the same has been formulated and approved by MOEF&CC considering the dam breach



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KWAR H.E. PROJECT (540MW), Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.

Fax no. 01995-259230

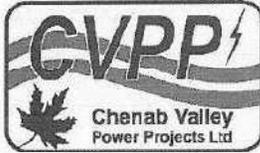
e-mail: hopkwar@cvppindia.com

website: www.cvppindia.com

		<p>scenario etc. The same shall be implemented prior to commissioning of the project in consultation with District Disaster Management Authority and in consonance with the District Disaster Management Plan.</p> <p>However, the three Early Flood Warning System (EFWS) have been installed upstream of the project at Village Layee, Gulabgarh and village Massu as an advance measure to monitor the river flow levels. These systems provide realtime online information regarding the water levels and water discharge in the river. Further 2 Nos. V-SAT communication systems have also been installed one at Project Site and one at Kishtwar to establish a communication link in case of an emergency.</p>
ix	An Environmental Management Cell (EMC) shall be established at the project level with sufficient manpower. The head of the EMC shall report directly to the head of the project for speedy implementation of EMP & related issues.	<p>Complied</p> <p>EMC has been constituted on 22.06.2018.</p>
<p>Other Conditions stipulated in EC Letter requiring compliance by CVPPPL</p>		
7.	The Project Proponent shall provide full cooperation and provide all requisite documents/data to the Officials from concerned Regional Office of the Ministry who would be monitoring the implementation of environmental safeguards and to undertake inspection.	Shall be complied
8.	The responsibility of implementation of environmental safeguards rests fully with the M/s. Chenab Valley Power Projects Pvt. Ltd. and Government of Jammu & Kashmir. Therefore, these may be critically reviewed jointly & periodically.	Shall be complied
9.	Besides the above stated conditions, the Project Proponent shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time. The Government of Jammu & Kashmir may also like to monitor implementation of EMP at regular intervals.	Shall be complied
10.	The Environmental Management Plan (EMP) shall be	Being complied

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CIN-U40105JK2011GC003321

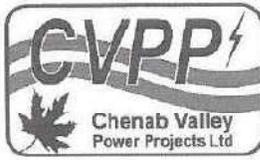
KWAR H.E. PROJECT (540MW), Chenab Nagar-II, Distt. Kishtwar (J&K)-182266.

Fax no. 01995-259230

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	strictly adhered to and a sum of Rs. 137.35 crores, the budgetary provisions for the implementation of EMP, shall be fully utilized and shall not be diverted for any other purpose.	
11.	In case of change in the scope of the project, the same may be intimated to the Ministry and a fresh approval, if required, shall be taken from the Ministry.	There is no change in scope of the Project. Shall be complied if required.
12.	Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986 to ensure effective implementation of the suggested measures in a time bound and satisfactory manner.	Noted
13.	This clearance letter is valid for a period of 10 years from the date of issue of this letter for completion of the project.	Noted
14.	A copy of clearance letter shall be marked to concerned Panchayat/Zila Parishad/Municipal Corporation, Urban Local Body and local NGO, if any, from whom any suggestion/representations were received while processing the proposal. The clearance letter shall also be put on website by the project proponent.	Complied.
16.	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of the clearance letters are available with State Pollution Control Board/Committee and may also be seen at website of MoEF&CC. http://www/moef.nic.in	Complied. Advertisement was published in two newspapers viz: 1. Daily Excelsior (English) dated 13.04.2017 and 2. Daily Udaan (Urdu) dated 13.04.2017.
17.	The project proponent shall also submit six monthly reports on the status of compliance of stipulated EC conditions including the results of monitored data (both in hard copies as well as by e-mail) to respective Regional Office of MoEF&CC.	Being Complied. Six monthly EC Compliance Reports are being timely submitted.
18.	After 5 years of commissioning of the project, a study shall be undertaken regarding impact of the project on the environment and over the downstream ecology of the project. The study shall be undertaken by independent agency to be decided in consultation with	Shall be complied.



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KWAR H.E. PROJECT (540MW), Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.
Fax no. 01995-259230

e-mail hopkwar@cvppindia.com

website: www.cvppindia.com

19.	<p>the Ministry.</p> <p>A Multi-Disciplinary Committee (MDC) for monitoring the implementation of environmental safeguards during construction shall be constituted by the project proponent (PP) in consultation with the Ministry as early as possible. A panel may be proposed by the PP and submitted to Ministry and the Government of Jammu & Kashmir. The project proponent shall organize six monthly meetings of the Committee and submit the monitoring report to the ministry. The MDC will monitor specifically the stability and effectiveness of muck dumping sites during all visits and monitor it & suggest remedial measures, if so required.</p>	<p>Approval for constitution of MDC was accorded by MoEF&CC vide letter No. J-12011/4/2010-IA-1 dated 09.07.2018 with amendment issued vide No. J-12011/04/2010-IA-1(R) dated 02.05.2019.</p> <p>The construction of Project has been started in May 2022 after the CCEA clearance. The site inspection has been conducted by MoEF&CC IRO, Jammu in May 2024 and July 2025. Site inspection was also conducted by Conservator of Forests, Chenab Circle, Doda on 07.09.2024. Further, the implementation of environmental safeguards is also reviewed by DO, JKPCC, DFO, Kishtwar, Assistant Director, Fisheries and other officials through regular site visits.</p>
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Handwritten signature
Ganesh

Office Address
 Srinagar Office : Forest Complex, Nishidh
 Bagh, Lal Chowk, Sgr-190001 Phone: 0194-2482937
 Jammu Office : Forest Resource Mgmt. Centre,
 Narwal Jammu-180006 Phone: 0191-3511909



URL Address: www.jkforest.gov.in
 E-mail: pccf.for-jk@nic.in



Jammu & Kashmir Forest Department
Office of the Pr. Chief Conservator of Forests & HoFF
Government of Jammu & Kashmir

Minutes of Meeting held under the Chairmanship of Mr. Suresh K. Gupta, IFS, PCCF (HoFF), J&K on 22-08-2025 at Forest Resources Management Complex, Jammu to review the progress regarding implementation of Catchment Area Treatment plan, Wildlife Management and Biodiversity Plans of Pakul, Kiru and Kwar Hydro Electric Projects.

The meeting was held under the Chairmanship of Mr. Suresh K. Gupta, IFS, PCCF & HoFF, J&K to review the progress regarding implementation of aforementioned Plans of Pakul, Kiru and Kwar Hydro Electric Projects in Chenab circle.

The following Officers attended the meeting:

1. Mr. T. Rabi Kumar, Pr.CCF /CEO CAMPA.
2. Mr. Sandeep Kujur, IFS, PCCF/Director, Soil & Conservation Departments
3. Dr. K. Anandh, IFS, Chief Conservator Forests, Central (Link Officer, FCA).
4. Dr. M.K. Kumar, IFS, Chief Conservator Forests, Jammu.
5. Dr. Arashdeep Singh, IFS, Conservator of Forests, Chenab Circle, Doda
6. Mr. Ramesh Mukhiya, Managing Director, Chenab Valley Power Projects Ltd
7. Mr. Mahesh Thakur, Divisional Forest Officer, Kishtwar
8. Mr. Vishal Choudhary, Divisional Forest Officer, Marwah
9. Mr. Khalid Mehmood Balwan, I/c District Soil Conservation Officer, Doda
10. Mr. Brahmeshwar Kumar, Representative of Pakul Dul HEP
11. Dr. Ravi Sharma, Representative of Kiru HEP
12. Mr. Baljeet Singh, Representative of Kwar HEP

Chief Conservator of Forests, Central welcomed the participants and initiated the discussion giving a brief of the progress of various plans. The CEO CAMPA briefed about the Annual Plans prepared along with financial requirement of the plans. The project wise discussions held are as under:

(A) Pakul Dul HEP

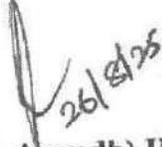
- i. Catchment Area Treatment Plan of Pakul Dul HEP:** It was informed by Director, Soil & Water Conservation Department that APO of Rs. 8.95 Crore has been approved for the year 2025-26. He further informed that Administrative Approvals and Technical Sanctions are under progress and shall be issued within a week. It was suggested that consolidated tenders of works of a location should be preferred for timely execution of works. It was also suggested to ensure that tenders be floated in the 1st week of September, 2025.
- ii. Biodiversity Conservation Plan of Pakul Dul HEP:** It was informed by DFO Marwah that works were executed under Biodiversity Plan and Rs. 4.30 Crore stands utilized. For the current year, tenders for 62 works have been floated and he assured that the works shall be executed in-time.
- iii. Wildlife Management Plan:** It was informed that Rs. 20.80 lakhs have been utilized till now. For current year, the works program has already been approved by Central CAMPA Authority and the funds stand also released to Department of Wildlife Protection – Implementing Agency.

(B) Kiru and Kwar HEPs:

It was informed that Catchment Area Treatment and Biodiversity Conservation Plans of Kiru and Kwar Hydro Electric Projects were

approved by Executive and Steering Committees of J&K CAMPA, and stand submitted to the National CAMPA for approval. The approval from the National CAMPA is awaited. Further, it was informed that funds in respect of Catchment Area Treatment and Biodiversity Plans of Pakul, Kiru and Kwar HEPs were deposited by the CVPP with National CAMPA account. The National CAMPA is yet to transfer the funds to J&K CAMPA. It was decided that CEO National CAMPA be approached for early release of the funds to J&K CAMPA.

The meeting ended with a Vote of Thanks to the Chair.


(Dr. K. Anandh) IFS
Chief Conservator of Forests
Central

No: PCCF/FCA/CATPlan/3034-43

Dated: 26-08-2025

Copy to:

1. PCCF/Chief Wildlife Warden, J&K
2. Pr.CCF /CEO CAMPA.
3. PCCF/Director, Soil & Conservation Departments
4. Chief Conservator Forests, Jammu.
5. Conservator of Forests, Chenab Circle, Doda
6. Managing Director, Chenab Valley Power Projects Ltd
7. Divisional Forest Officer, Kishtwar
8. Divisional Forest Officer, Marwah
9. I/c District Soil Conservation Officer, Doda
10. Sr. PS to Pr.CCF & HoFF J&K for kind information of the Pr.CCF & HoFF J&K.



Chenab Valley Power Projects Limited

A Joint Venture of NHPC Limited (A Govt. of India Navratna Enterprise) &
(JKSPDC (A Govt. of J&K Undertaking)
CIN-U40105JK2011GCI03321

HOP Secretariat
Kwar HE Project
Chenab Nagar, Sector-2,
Kishtwar, (J&K) - 182206
Ph. 01995-259230
Email: hopkwar@cvppindia.com

CVPPPL/Kwar HEP/HoP/2025-26/381

Date: 04/11/2025

Divisional Forest Officer,
Kishtwar Forest Division,
Distt. Kishtwar (J&K).
Email: dfokishtwar1@gmail.com

Sub: Kwar H.E Project – Implementation Status of Catchment Area Treatment (CAT) Plan.
Ref: Letter No. CVPPPL/KwarHEP/HoP/2024-25/515-517 dated 29.03.2025.

Sir,

With reference to the above cited subject, it is to inform that an amount of Rs. 2930.35 lakh was deposited in CAMPA Account on 29.03.2025 for implementation of the Catchment Area Treatment (CAT) Plan of Kwar HE Project (540MW).

In this regard, it is requested that the current status of implementation of CAT Plan of Kwar H.E. Project (physical and financial progress) may kindly be intimated for onward submission to MoEF&CC, Govt. of India.

Thanking you.

Yours faithfully,

Shivnath
04/11/2025
General Manager (Civil)
Kwar HE Project

Copy to:

1. Chief Conservator of Forests & Nodal Officer (FCA) for information please.
2. Conservator of Forests, Chenab Circle, Doda for information please.

Rehabilitation & Resettlement (R&R) Plan, KWAR (540 MW)

- Rehabilitation & Resettlement Plan of Kwar HEPP has been approved vide G.O. No. 44-DMRR&R of 2018 dated 03.08.2018.
- Executing Agency of Kwar HEPP project is CVPPL+JKPDC
- Implementation of R&R being done by Deputy Commissioner, Kishtwar/Commissioner R&R.
- Amount of R&R Plan Rs. 3583.41 Lakh
- Total Amount Received Rs. 500.00 Lakh
- Amount Released/Utilized as on 13-10-2025 **Rs.360.966 Lakh** (individual benefits = Rs. 194.71 Lakh and LADP=Rs. 166.256 lakh)
- Total Project Affected Families (PAFs)= 27 (Displaced= 04 and Non-displaced=23)

Individual Benefits (including Monitoring and Evaluation):

- The individual benefits to the Project Affected Families (PAFs) (Displaced and Non-displaced) have been paid in full (Rs. 194.71 Lakh) as per the detailed break up given below:

(Rs. in Lakh)

S. No.	Individual Benefits	Amount Sanctioned (upper limit)	Amount payable as per eligibility	Amount Utilized/disbursed up to 13-10-2025	Remarks	Reasons for less/non disbursement of benefits
1.	Lump sum cost of land and House Constt @ 33.00 Lakh each	957.00	132.00	132.00	Paid to 4 eligible PAFs	All PAFs paid as per eligibility
2.	Stamp Duty	278.75	0.00	0.00	No eligible PAFs	
3.	Cattle shed @ 0.25 Lakh	8.50	5.75	5.75	Paid to 23 eligible PAFs	All PAFs paid as per eligibility
4.	Transportation grant @ 0.35 Lakh	10.15	1.40	1.40	Paid to 4 eligible PAFs	All PAFs paid as per eligibility
5.	Financial Assistance for Construction of workshed/Shop @Rs. 0.40 Lakh	25.20	0.00	0.00	No eligible PAFs	
6.	Scholarship to the PAF children	33.26	3.36	3.36	Paid to 07 eligible PAFs	All PAFs paid as per eligibility

	@ 1000/ per month x 2 x PAF for 24 months (with additional 10% to female and disabled)					
7.	Rehabilitation Grant: Minimum Agriculture wages @ Rs. 1.50 Lakh	94.50	40.50	40.50	Paid to 27 eligible PAFs	
8.	Subsistence Allowance: Minimum Agriculture wages @ Rs. 0.675 Lakh	17.40	2.70	2.70	Paid to 04 eligible PAFs	All PAFs paid as per eligibility
9.	Pension for vulnerable affected families @ Rs. 3.066 Lakh	193.16	0.00	0.00	No eligible PAFs	
10.	Transit Accomodation Allowance @ Rs. 0.30 Lakh	8.70	0.00	0.00	No eligible PAFs	
11.	Additional grant of ST PAF's (MAW 500 days MAW per PAF @ Rs 225 per MAW)	19.00	9.00	9.00	Paid to 08 eligible PAFs	All PAFs paid as per eligibility
12.	Monitoring and evaluation setup	150.00	0.00	0.00	Project is under implementation stage	
13.	Grants for seeds and fertilizers	18.67	0.00	0.00	PAFs are landless, accordingly not admissible at this stage.	
	Total	1814.29	194.71	194.71		

Local Area Development Plan (LADP)

- Under the LADP component, the total amount of Rs. 1354.00 Lakh has been approved against which 16 No. of works (**Annex. A**) Costing Rs. 1348.95 Lakh are under implementation. An amount of Rs. 166.256 Lakh has been released for the said works.
- Out of the total 16 No. of works, 02 work costing Rs. 20.00 Lakh have been completed and remaining 14 works are at different stages of completion.

Skill Development Component

- Under Skill Development component **Rs.415.12 Lakh** (Rs.15.12 lakh for Skill Development training and Rs. 400.00 lakh for Skill Development Programmes) has been approved.

Action taken:

- Nodal Team headed by the Deputy Commissioner, Kishtwar constituted for preparation of Skill Development Plan.
- Preliminary Survey result has indicated preference for Skill Development Training in trades like plumber, carpenter, tailor etc. Pertinently, a total of 75 persons (11 males & 64 females) have given consent for undergoing various training courses (**Annexure B**).
- The ITI Kishtwar has started training of 02 No. of identified unemployed persons for Plumber course and 02 No. of identified unemployed persons for Electrician course and 03 number of identified unemployed youth for COPA. Moreover, training in other trades shall also start soon (**Annexure B**).
- Training of 40 No. of females in cutting & tailoring work & 20 No. of females in crewel Embroidery work through Handicrafts Department has been started (**Annexure B**).
- CMO Kishtwar has organized the counseling and the forms of the eligible candidates for admission in various courses under Para Medical have been filled in. As per the Nursing Council, the left out seats will be allotted to these candidates. Pertinently, Paramedical Courses will be started once counseling by JKBOPEE is completed.
- For other trades and based on interest shown, Skill Development Department shall provide a detailed matrix outlining the qualifications and proposed skill for beneficiaries, based on NSDC guidelines on both Job Roles as well as Recognition of Prior Learning (RPL) for adoption.

- Training for Self Employment & Skilling through NSDC Master Trainers/Agencies is being contemplated. The selection of the Agency(s) shall be done through a transparent process. The Mission Yuva data has been complied and accordingly a team headed by ADC Kishtwar, CPO Kishtwar, Principal ITI Kishtwar, AD Employment, HQA to DC Kishtwar and two members of NSDC representatives has been constituted for floating EoI and other modalities for imparting skill training to the mapped unemployed youths of affected areas of the Projects. 06 response received for the EoI and same has been opened/ allotted on 11-08-2025.
- Other approved notable Skill Development related interventions include development of Centre of Excellence at ITI Kishtwar, providing scholarships to students opting for higher technical education, post saturation of PAFs, the expansion of skill mapping to other villages of same CD Block to cover more families, etc.
- One Project Management Unit headed by Dy. Commissioner, Kishtwar with members from all the 04 Projects, Planning, Industries, Education, Employment, Health, Finance & Skill Development Department has been formulated for finalization & overall monitoring of Skill Development Plan including corporate convergence and credit linkages in the future.
- *Besides, data from Mission YUVA has been taken and 169 unemployed youths (from all the four HEPPs) have been identified (other than PAFs) from adjoining areas (Block Trigam, Kishtwar, Drabshalla, Nagseni and Dachhan) for Skill Development Training in different trades.*

Other than R&R Plan benefits:

- Under PM Vishwakarma Scheme, 01 beneficiary has been selected for undergoing training in tailoring trade.
- Under Lakhpati Didi, 08 beneficiaries have been trained in trades viz. farming (01) & shops (02), livestock rearing (02) & tailoring (03).
- Under HADP, 02 beneficiaries from PAFs in total have availed benefits:
 - (i) 01 No. of beneficiary has availed Geo-lined Tank from Horticulture Department at 50% subsidy.
 - (ii) 01 No. of beneficiary has received Sheep Unit (50 Sheep) at 50% subsidy under Commercial Sheep Unit Project of HADP from Sheep Husbandry Deptt.

The expected timeline for completion of all the above activities is 18 months.

Annexure "A"

LADP Component of R&R Plan of Kwar HEPP

(Rs. in lakh)

S.No	Name of Work	Executing Agency	AAA Accorded date	Amount of AAA (in Lakh)	Amount released till date	Date of Completion of project	Present Status
1.	HS Kwar upgradation of infrastructure	CEO Kishtwar through PWD, R&B Paddar	23.04.2025	70.76	3.60467	09 months	40 % work completed
2.	MS Bhatan upgradation of infrastructure	CEO Kishtwar through PWD, R&B Paddar	23.04.2025	117.79	0.00	18 months	Will be tendered on 18-10-2025
3.	MS Gujjar Basti Padyama upgradation of infrastructure	CEO Kishtwar through RDD Kishtwar	23.04.2025	61.07	0.00	31.05.2026	Tendered opening on 23-10-2025
4.	Repair of CMS Nagseni	CEO Kishtwar through RDD Kishtwar	23.04.2025	19.70	5.26124	02 months	90 % work completed
5.	Repair/ Renovation of MS Chingnena including Brestwall	CEO Kishtwar through RDD Kishtwar	23.04.2025	7.10	2.10	02 months	70 % work completed
6.	Rural Connectivity	RDD Kishtwar	23.04.2025	200.00	0.00	1 year	Out of 29 works, 28 works allotted and taken up.
7.	Solar Street Lights in the affected area	RDD Kishtwar	23.04.2025	15.00	15.00	31.05.2025	Work completed
8.	Graveyard and cremation grounds	RDD Kishtwar	23.04.2025	15.00	15.00	31.10.2025	Work started
9.	Construction of Health and Wellness centre at Kwar	CMO Kishtwar through PWD R&B Paddar	23.04.2025	89.75	0.00	01 year	Will be tendered on 18-10-2025
10.	Development of Playground (Opposite GHSS Nagseni)	DYSSO Kishtwar through RDD Kishtwar	23.04.2025	30.00	20.59	03 months	80 % work completed

11.	Sports Equipments / Organizing Sports events for recreational infrastructure	DYSSO Kishtwar	23.04.2025	05.00	05.00	1 month	Work completed
12.	Construction of Raswardi to Noos Kul (1600 mtrs)	Executive Engineer Jal Shakti Hydraulic Div Kishtwar	23.04.2025	75.00	0.00	2 months from the date of issuance of allotment	Re-tendered due to low cost. Allotment under process
13.	Construction of AEO office cum Training cum demonstration centre at Kwar	Chief Agriculture officer Kishtwar. RDD	23.04.2025	95.00	95.00	Within 1 year	Tendering under process
14.	Proposed High density walnut orchards 25 units of 1 Kanal each	Chief Horticulture Officer Kishtwar	23.04.2025	05.00	4.70	March 2026	Will be started in appropriate season Feb-March 2026
15.	Repair and renovation of tourist Hostel building at TRC Kishtwar	Executive Engineer PWD (R&B) Div. Kishtwar	23.04.2025	99.92	0.00	31.03.2026	Work Allotted and started
16.	Constt of Devastan River Front at Bhandarkoot	Executive Engineer PWD (R&B) Div. Kishtwar	09.05.2025	442.86	0.00	01 ½ years	Consultancy work allotted.
Total				1348.95	166.25591		

(Annexure B)

DETAILS OF BENEFICIARIES WHO HAVE OPTED FOR SKILL DEVELOPMENT PLAN (ITI)

S.No.	Details of PAFs			Course Details/No. of Beneficiaries	Site for training	Remarks
	Displaced	Non Displaced	Total			
1.	04	23	27	1. Plumber-02	ITI, Kishtwar	Course started w.e.f. 20.05.2025
2.				1. Electrician-02		Course started w.e.f. 23.05.2025
3.				1. COPA-03		Course started w.e.f. 17.07.2025

{Male beneficiaries-07 (02 Plumber, 02 Electrician, 03 COPA); Female Beneficiaries-NIL}

**DETAILS OF BENEFICIARIES WHO HAVE OPTED FOR SKILL DEVELOPMENT PLAN
(HANDICRAFTS DEPARTMENT)**

S.No	Skill Programme for PAF's	Details of PAFs			Course Details/No. of Beneficiaries	Buildings available at project site/ rehabilitation site for training	Remarks
		Displaced	Non Displaced	Total			
1.	Female (through Handicraft Deptt)	04	23	27	1. Cutting & Tailoring- 40 2. Crewel Embroidery-20	03 centres (Bhagna-A, Dicha, Kwar)	03 instructors (02 for Cutting & Tailoring courses & 01 for Crewel Embroidery course) appointed & training course started.

{Male beneficiaries-NIL; Female Beneficiaries-60(Cutting & Tailoring-40, crewel Embroidery-20)}

**DETAILS OF BENEFICIARIES WHO HAVE OPTED FOR SKILL DEVELOPMENT PLAN
(HEALTH DEPARTMENT)**

S.No	Details of PAFs			Course Details/No. of Beneficiaries	Remarks
	Displaced	Non Displaced	Total		
1.	04	23	27	1. FMPHW-01 2. Dental Assistant-01 3. Medical Assistant-02 4. X-Ray Tech.-02 5. Lab Asstt.-02	• CMO Kishtwar has organized the counseling and the forms of the eligible candidates for admission in various courses under Para Medical have been filled in. As per the Nursing Council, the left out seats will be allotted to these candidates. Pertinently, Paramedical Courses will be started once counseling by JKBOPEE is completed.

{Male beneficiaries-04; Female Beneficiaries-04}

Total Beneficiaries (Male=11, Female=64) for undergoing Skill Development= 75 (ITI=07, Handicrafts=60, Health=08).



GOVERNMENT OF JAMMU & KASHMIR
Department of Disaster Management, Relief, Rehabilitation & Reconstruction
Civil Secretariat, Jammu/Srinagar.

Minutes of the Meeting

Minutes of the meeting of Standing Committee which has been reconstituted vide Government Order No. 691-JK(GAD) of 2025 dated 11.06.2025 & Empowered Committee(s) constituted vide Government Order Nos. 1088-GAD of 2017 dated 24.08.2017 and 1281-GAD of 2017 dated 09.10.2017 held under the Chairmanship of the Chief Secretary, UT of J&K on 30th July, 2025 at 10:30 AM in order to take decisions regarding the following agenda points:

1. Approval of works taken up under LADP component of Ratle HEPP.
2. Approval of works taken up under CSR component of Ratle HEPP.
3. Approval of Electrician and COPA courses taken up under Skill Development Components of Kiru, Kwar, Ratle & Pakal Dul HEPP(s).
4. Any other point (s) with the permission of the Chair.

The meeting was attended by the following members (including the special invitees):

1. Administrative Secretary, Jal Shakti Department.
2. Administrative Secretary, Planning, Development & Monitoring Department.
3. Administrative Secretary, Public Works (R&B) Department.
4. Administrative Secretary, Power Development Department.
5. Administrative Secretary, Department of Disaster Management, Relief, Rehabilitation & Reconstruction.
6. Administrative Secretary, Finance Department.
7. Administrative Secretary, Housing & Urban Development Department.
8. Administrative Secretary, Forest, Environment & Ecology Department.
9. Divisional Commissioner, Jammu.
10. Administrative Secretary, Department of Rural Development & Panchayati Raj.
11. Managing Director, J&K State Power Development Corporation.
12. Deputy Commissioner, Kishtwar.
13. Chief Engineer, J&K Power Development Corporation, Jammu.
14. Head of the Power Project(s) Kiru, Kwar, Pakal Dul & Ratle (Special Invitees).

At the outset, the Principal Secretary to the Government, Department of DMRR&R welcomed the participants and gave a brief about the R&R Plans of HEPPs. Thereafter, a detailed Power Point Presentation was made by the Deputy Commissioner, Kishtwar, highlighting the component wise physical & financial progress made in respect of the HEPPs. After the detailed deliberations the following decisions were unanimously taken by the Committee(s):

Agenda 1: Approval of works taken up under LADP component of Ratle HEPP.

The following works taken up under LADP component of R&R Plan of Ratle HEPP were placed before the Standing Committee for a decision:

S.No	Name of Work	Amount (Rs. in Lakh)
1.	Creation of 63 MVA, 33/11 KV Receiving Stations along with 33 KV Line Hasti Kishtwar	442.09
2.	Construction of Veterinary Complex with residential accommodation Complex with residential accommodation at Kukerwas, Tehsil Drabshalla	245.80
3.	Construction of Veterinary Complex with residential accommodation Complex with residential accommodation at Kuntwara, Tehsil Drabshalla	245.80
4.	Construction of Community Hall and Sarai Building at Drabshalla	454.67
5.	Wooden Poles replacement in Project affected areas to Block Drabshalla including Kuntwara (HT= 8km, LT = 30Km) Rs. 250.00 lakh	302.00
6.	Evacuation of 2 no. 11 KV Feeders for providing reliable power supply to affected areas i.e Saroor from Grid Station Kishtwar (HT=2 Kms) Rs. 17.00 lakh	
7.	Upgradation of Power Distribution Network in Tribal areas/Habitation of Project affected areas (HT= 150 Km, S.Station 4 X 25 KVA) Rs. 35.00 Lakh	
8.	i. Establishment of individual HD orchard/Plantation. ii. Tool Kits. iii. Administrative Cost including freight charges etc.	100.00
9.	Establishment of indoor multi facility sports stadium at Drabshalla Kishtwar a. Establishment of cricket arena and allied works at Drabshalla Kishtwar. b. Establishment of indoor boxing arena and allied works at Drabshalla Kishtwar	254.38
10.	Supply installation, testing and Commissioning of multilevel automated parking system at Drabshala Kishtwar	493.41
11.	Establishment of Indoor Badminton Court and allied works at Trigam Kishtwar	38.54
12.	Establishment of Indoor Table tennis (multi table) and allied works at Trigam Kishtwar	39.32
13.	Establishment of Indoor Badminton Court and allied works at Sarthal Kishtwar	39.875
14.	Establishment of Indoor Table tennis (multi table) and allied works at Sarthal Kishtwar	38.98
15.	Remodeling of Govt. HS Lass. Rs. 8.05 Lakh	24.05
16.	Supply installations, Testing and Commissioning of OS enabled Educational AI Pannel in Govt. HS Less Rs. 16.00 Lakh	
17.	Remodeling of Govt. HS Bugrana. Rs. 7.13 Lakh	23.13
18.	Supply installations, Testing and Commissioning of OS enabled Educational AI Pannel in Govt. HS Bugrana Rs. 16.00 Lakh	
19.	Remodeling of Govt. HS Drabshalla. Rs. 8.08 Lakh	29.78
20.	Supply installations, Testing and Commissioning of OS enabled Educational AI Pannel in Govt. HS Drabshalla Rs. 21.70 Lakh	
21.	Supply installations, Testing and Commissioning of OS enabled Educational AI Pannel in Govt. HS Trigam	17.80
22.	Constt of 06 rooms (3+3) double storey building at HS Drabshalla	200.01
23.	Constt of 04 rooms (2+2) Rooms DS at PS Bhalpora Badhat	128.58
24.	Constt of 03 Nos additional class rooms at GMS Badhat	47.10
25.	Repair and renovation of MS Tatani	26.84
26.	Constt of Balance Work 03 Nos additional classrooms at MS Seegat	37.08
27.	Constt of 02 No Additional Classrooms at HSS Badhat	30.70
28.	Constt of 04 rooms (2+2) double storey building at MS Bhatkoot	132.47
Total		3392.405

Decision:

The Standing Committee gave post-facto approval to the 28 No. of works taken up under LADP component of Ratle HEPP amounting to Rs. 3392.405 lakh. Besides, directions

were listed to the Deputy Commissioner, Kishtwar to formulate projects for the balance approved amount under the IADP component of Rattle HEPP.

Agenda 2: Approval of works taken up under CSR component of Rattle HEPP.

The following 08 works taken up & 01 work to be taken up under CSR component of Rattle HEPP were placed before the Standing Committee for a decision:

S. No.	Name of works	Amount (Rs. in lakh)
1	Erection of Pre-Fabricated Building at Tehsil office Kishtwar one stop centre for facilitation of PAAs	16.65
2	Radiatory court and Indoor shooting facility	44.68
3	Construction of Single Storey Hospital Building at Drabshalla	298.09
4	Establishment of Indoor Table Tennis facility at Drabshalla	31.36
5	Construction of Zila Sanik Welfare Board	296.53
6	Installation of computers in Schools of Project Affected areas of District Kishtwar	51.87
7	Installation of 63KVA Transformer along with HT/LT network for stabilization/ improvement of low voltage at village Dhanota Balgram	7.64
8	Creation of new 25 KVA substation including HT/ LT network at village Lonelal Panchayat Bhabal	11.93
9	Construction of chain from Neelkanth Mandir to Fisheries office (NEW WORK PROPOSED)	98.63
	Total	857.38

Decision:

The Standing Committee gave post-facto approval to 08 No. of works taken up & 01 No. work to be taken up under CSR component of Rattle HEPP amounting to Rs. 857.38 lakh. Besides, directions were also issued to the Deputy Commissioner, Kishtwar to formulate projects for the balance approved amount under the said component of Rattle HEPP including exploring the necessity & possibility of setting up of a full-fledged ITI and Centre of Excellence.

Agenda 3: Approval of Electrician and COPA courses taken up under Skill Development Component of Kiru, Kwar, Rattle & Pakal Dul HEPP(s).

The detailed proposal of Electrician and COPA courses being conducted by ITI, Kishtwar amounting to Rs. 72.30 lakh and Rs. 37.05 lakh being taken up under Skill Development Plan of the 04 HEPP(s) were placed before the Committee(s) for approval.

Decision:

The Committee(s) approved the proposal and it was unanimously decided that the common expenses if any, shall be apportioned to Kiru & Rattle HEPP(s) in proportion of the approved outlays under Skill Development component considering the fact that the said projects have considerable amounts approved for the said component. More so, the individual trainee related expenses viz. hostel fee, stipend, tool kits etc. shall be utilized out of the respective HEPP(s).

Agenda 4: Approval of the Skill courses in collaboration with NSDC.

The Deputy Commissioner, Kishtwar apprised the chair that the matter has been taken up with NSDC for initiating Skill courses under Skill Development component of the 04 HEPPs. It was further informed that in the first phase, the training programmes shall target

the beneficiaries from among the Project Affected Families (PAFs), thereafter, in the second phase the Skill Development programme shall target youth at the block level in the Project Affected Areas (PAAs) of the Hydel Power Projects and lastly, in the third phase, the same shall be implemented across the entire district.

Decision:

The Committee(s) agreed to the proposal put forth by the Deputy Commissioner, Kishtwar and directions were issued that the selection process of the NSDC empanelled/recommended agencies must be done in a fair and transparent manner & the MOU(s) to be executed with the agencies should include milestone-based payment terms.

Agenda 5: Approval of Para Medical courses to be taken up under Skill Development Components of Kiru, Kwar, Ratle & Pakal Dul HEPP(s).

The Deputy Commissioner, Kishtwar informed the Chair that the Para Medical courses are likely to start shortly for the beneficiaries from among the PAFs who have opted for the same and approval is being sought from the Committee(s) in this regard.

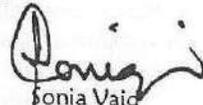
Decision:

The Committee(s) agreed to the proposal and it was unanimously decided that the financial implications w.r.t. the eligible beneficiaries opting for Para Medical courses shall be met out of the Skill Development component of the respective HEPP(s) & common expenses, if any, shall be apportioned to Kiru & Ratle HEPP(s) in proportion of the approved outlays under Skill Development component given the fact that the said projects have considerable amounts approved for the said component.

In the closing remarks, the Chair appreciated the efforts put forth by the Deputy Commissioner, Kishtwar in the implementation of the R&R package of the 04 HEPPs. However, it was emphasized that more efforts were required to ensure that the funds approved under the various components of the HEPP(s) are utilized in timely and proficient manner.

Further, the Chair also advised Deputy Commissioner, Kishtwar that while identifying new infrastructure proposals under LADP/CSR components, it needs to be ensured that the DPRs are vetted by the Competent Authority; the land is free from all encumbrances and post completion of all the projects, the concerned Departments should take over the Operation & Maintenance (O&M) of the projects from their respective budgets.

The meeting ended with a vote of thanks to the Chair.


Sonia Vaid
Joint Director (P)
Dated: 1.08.2025

No. DMRRR/Plan/19/2025

Distribution as above

Copy to the:

1. Divisional Commissioner, Jammu.
2. Managing Director, J&K State Power Development Corporation.
3. Deputy Commissioner, Kishtwar.
4. Chief Engineer, JPDCL.
5. Heads of Kiru, Kwar, Ratle & Pakal Dul HEPP(s), Kishtwar.
6. Private Secretary to Chief Secretary UT of J&K for kind information of Chief Secretary.
7. Private Secretary to Administrative Secretary, _____ Department for information.
8. Private Secretary to Principal Secretary to the Government, Department of DMRR&R for information of the Principal Secretary.
9. Office File.



GOVERNMENT OF JAMMU & KASHMIR
Department of Disaster Management, Relief, Rehabilitation & Reconstruction
Civil Secretariat, Jammu/Srinagar.

Meeting Notice

Chief Secretary UT of J&K has desired to convene a meeting on 17.04.2025 (Thursday), 2025 at 12:00 Noon in the Meeting Hall, 2nd Floor, Civil Secretariat, Jammu in order to review/examine the Rehabilitation and Resettlement (R&R) Plan(s) in respect of the following projects:

- i. Kwar Hydro Electric Project, Tehsil Nagseni, Kishtwar, J&K.
- ii. Ratle Hydro Electric Power Project, Kishtwar, J&K.
- iii. Kiru Hydro Electric Project, Kishtwar, J&K.
- iv. Pakal Dul Hydro Electric Project, Kishtwar, J&K.

The undersigned is, accordingly, directed to request the following officers to kindly make it convenient to attend the said meeting on the scheduled date and time:

1. Principal Secretary to Government, Department of DMRR&R
2. Divisional Commissioner, Jammu.
3. Deputy Commissioner, Kishtwar. [Through VC]
4. Managing Director, JKPDC, J&K.
5. Representative from the Power Development Department (not below the rank of Additional Secretary).
6. Chief Engineer, JPDCL.
7. Additional Secretary to Government, Department of DMRR&R.
8. Joint Director (Planning), Department of DMRR&R

Deputy Commissioner, Kishtwar is requested to kindly prepare/present PPT for the scheduled meeting. The soft copy of the PPT may also be shared to this Department through e-mail (arvindraina.539@rediffmail.com) by 16.04.2025.

The officers stationed at Srinagar shall attend the meeting through VC link from the Committee Room, 3rd Floor, Civil Secretariat, Srinagar.

Private Secretary to
Principal Secretary to Government
Department of DMRR&R

Dated: 15.04.2025

No. DMRRR-ER/59/2021

Distribution as above

Copy to the:

1. Director Estates, Jammu/Kashmir for information.
2. SSP, Security, Civil Secretariat, Jammu/Srinagar for information.
3. SIO, NIC for information and necessary action.
4. Private Secretary to Chief Secretary, J&K for information.
5. Private Secretary to Principal Secretary to Government, Power Development Department for information.
6. Sh. Abdul Gani (*Nazir*) for information.



GOVERNMENT OF JAMMU & KASHMIR
Department of Disaster Management, Relief, Rehabilitation & Reconstruction
Civil Secretariat, Jammu/Srinagar.

Minutes of the Meeting

Minutes of the meeting of Empowered Committee constituted by the Government vide G.O. No 1088-GAD of 2017 dated 24.08.2017 & G.O. No 1281-GAD of 2017, dated 09.10.2017 held under the Chairmanship of the Chief Secretary, UT of J&K on 18th April, 2025 at 04:30 PM in order to take decisions regarding the following agenda points:

- I. Approval of works to be taken up under LADP component of R&R Plan of Kwar HEPP.
- II. Formal Approval of works formulated by Committee Designated by the Empowered Committee under LADP component of R&R Plan of Keeru HEPP.
- III. Approval of balance work to be taken up under LADP component of R&R Plan of Keeru HEPP.

The meeting was attended by the following officers:

1. Administrative Secretary, Power Development Department.
2. Administrative Secretary, Department of Disaster Management, Relief, Rehabilitation & Reconstruction.
3. Administrative Secretary, Forest, Environment & Ecology Department.
4. Administrative Secretary, Revenue Department.
5. Administrative Secretary, Planning, Development & Monitoring Department.
6. Administrative Secretary, Public Works (R&B) Department.
7. Divisional Commissioner, Jammu.
8. Managing Director, J&K Power Development Corporation.
9. Deputy Commissioner, Kishtwar.
10. Special Secretary to Government, Jal Shakti Department.

Principal Secretary to Government, Department of DMRR&R welcomed the participants and gave a brief about the 02 R&R HEPPs. Thereafter, a detailed Power Point Presentation was made by the Deputy Commissioner, Kishtwar, highlighting the benefits provided under R&R Package & LADP Component in respect of the above HEPPs.

Agenda 1:

The following works under LADP component of R&R Plan of Kwar HEPP were placed before the Empowered Committee for decision:

S.No	Component	Amount allotted as per the approval and Minutes approved (Rs In lakh)	DPRs received	Amount (Rs. In lakh)	Executing agency	Likely date of completion of Project

1	Education and Skill Development	300.00	Up gradation of Infrastructure of HS Kwar	70.76	CEO Education through PWD(R&B) Paddar	1½ year
			Up gradation of Infrastructure of MS Bhattan	117.79	CEO Education through PWD(R&B) Paddar	1½ year
			Up gradation of Infrastructure of MS Gujjar Basti Padhyarna	61.07	CEO Education through RDD Kishtwar	1½ year
			Repair of GMS Nagseni	19.70	CEO Education through PWD(R&B) Paddar	1½ year
			Repair/renovation of MS Chingnana including Breast wall	7.10	CEO Education through RDD Kishtwar	1½ year
			Total	276.42		
2	Infrastructure Development and Public utilities	Rural Connectivity-200.00	Rural connectivity in affected villages	200.00	RDD Kishtwar	01 year
3		Upgradation and assistance to existing health care establishments-100.00	Const of Health and Wellness Centre at Kwar	89.75	CMO Kishtwar through PWD(R&B) Paddar	02 years
4		Sports and recreational activity for youth of affected area-35.00	Development of Playground (opposite GHSS, Nagseni) (Rs 30.00 lakh) and Sports equipments/organizing Sports events (Rs 5.00 lakh) for recreational infrastructure	35.00	Youth Services and sports Deptt.	06 Months
5.		Solar Street Lights in the Affected area -15.00	Solar Street Lights in the Affected area/affected Panchayat (Bhagna-C, Sumna Bhata & Bhatan Dimji)	15.00	RDD Kishtwar	06 Months
6.		Graveyard and cremation grounds-15.00	Graveyard (7.00) and Cremation grounds (8.00) in Affected area/affected Panchayat	15.00	RDD Kishtwar	06 Months

7.	Infrastructure Dev and Public utilities	Upgradation of irrigation facilities in affected villages- 75.00	Constt Rashgawari Noose (1600mtrs) of to Khul	75.00	Irrigation and Flood Control deaptt Hydraulic Div Kishtwar	06 Months
8.	Social Welfare Scheme	Encouragement in horticulture and agriculture activities -100.00	Construction of AEO office cum training cum demonstration centre at Kwar, Nagseni (95.00 lakh) Proposed High Density walnut orchards 25 units of one Kanal each (4.70 lakh)	100.00	Agriculture Deptt. Horticulture Deptt.	01 year
9.	Misc Dev Activities (placed at the disposal of DC Kishtwar)	To be finalised by DC Kishtwar)- 514.00	Repair and renovation of Tourist Hostel Building at TRC Kishtwar	99.92	PWD Kishtwar	07 Months
	Total	1354.00		906.09		

Agenda 2:

With respect to R&R Plan of Keeru HEPP, it was briefed to the Chair that Committee designated by Empowered Committee in a series of deliberations has formulated the list of works to be executed under LADP & on the basis of onsite feasibility and availability of space/land at the project sites, has made some changes in the formulated plan and accordingly, the revised list of works formulated (some of which are already executed and many under execution) was put up before Empowered Committee in this meeting for formal approval. The List of works is as under:

S. No	Local Area development Activities/ Social and Community Development Package	Amount Sanctioned (Rs. in Lakh)	Status of works in last meeting	Remarks

1.	Education and Skill Development	a. Providing & upgrading of infrastructure to existing schools in Project Affected Villages (HSS Nagseni- Rs. 63.97 lakh and HS Pathernaki Rs 36.60 lakh	100.57	HSS Nagseni- Completed And HS Pathernaki -Ground floor completed and steel work of 1st floor completed	Work completed. Earlier 06 works in different schools were proposed but on the basis of feasibility and availability of space/land the projects were restricted to only 02-(HSS Nagseni- Rs. 63.97 lakh and H S Pathernaki Rs 36.60 lakh
		b. Const. of Hostel building at Kishtwar with accommodation facility for girls and boys PAF's (Project Affected Families)	450.00	Land identification under process	Land identified in ITI Kishtwar. Also NOC issued by the Director Consultancy drawing under finalization. At tendering stage.
2.	Infrastructure Development and Public Utilities	a. Rural connectivity in affected area	300.00	06 works completed out of 11 and 05 ongoing	Work completed
		b. Upgrading and assistance to existing PHC at Keeru	100.00	Work Completed.	Work Completed.
		c. Community centers (repair and reconstruction of community hall at village)	32.00	Work Completed	Work Completed
		d. Solar Street Lights in affected area	15.00	Order placed for purchase	Work completed
		e. Const and fencing of graveyards and cremation places	50.00	Tender floated and allotment made	Out of 16, 04 works completed, rest under progress
		f. Sports and recreational infrastructure for youth in affected area (project name: Indoor sports stadium and park)	400.00	20 % work completed and rest in progress and likely to be completed March 2026	30 % work completed and rest in progress and likely to be completed March 2026
		g. Assistance for up gradation of irrigation facilities in affected area (Dharbi Khui).	101.87	95% completed	completed

3.	Social Welfare schemes	<p>a. Cold Storage Plant at Shalimar.</p> <p>The works proposed under the said component was approved by the committee. It was also approved that the estimates of Rs. 294.00 lakh be covered by utilizing the Rs. 200.00 lakh under said component and rest Rs. 94.00 lakh from Misc Dev activities (amount placed at the disposal of DC Kishtwar at S. No 04).</p> <p>Component wise details: Road work by PWD (R&B) Kishtwar --- 64.20 lakh Work to be done by Mechanical Deptt (cold storage) = Rs. 204.80 lakh JKPDCL work- Rs. 25.00 Lakh</p>	294.00	38% completed work	Work completed
		<p>b. Milk Processing Unit at Dool.</p>	40.00	Completed	Milk Processing Unit functional. (completed). Earlier project of Assistance to self help groups in Agriculture & Horticulture activities was proposed which was later finalized as Milk Processing unit at Dool.
4.	Miscellaneous Development activities (Amount placed at the Disposal	Works taken up - Re-energizing of off -habitation of Sazar, Nawnatnoo and Bamani (DPR's			

of DC Kishtwar = Rs. 1000.00 lakh)	submitted by ExEn JPDCI, Kishtwar	147.00	Completed	Completed
	2. Education for All	98.95		
	3. Mobile Digital Theatre (MDMT) for open screening in Kishtwar	104.25		
	Total	2233.64		

Agenda 3:

The balance works formulated by the Committee designated by the Empowered Committee to be taken up under LADP component of R&R Plan of Keeru HEPP were put up before the Empowered Committee for decision as under:

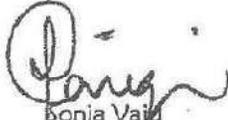
S. No	Local Area Development Activities/ Social and Community Development package	Brief Description	Amount Sanctioned (Rs.in lakh)	
1.	Miscellaneous Development Activities	Creation of 6.3MVA receiving station at Dool alongwith 33KV line	Creation of 6.3MVA receiving station at Dool alongwith 33KV line	280.38
		Bore-well @05 numbers (few in project affected families sites)	Deep drilling development and stabilization (location viz Gulabgarh, Athol, Drabshaala and other locations.	92.15
		Community Hall at Kishtwar	Community Hall with R/Wall, B/Wall. State land bearing khasra No. 5249/5114/4219 min in village Kishtwar measuring 03KI-15MI is available for the said project.	179.50
	Total		552.03	

After detailed deliberations the following decisions were taken:

1. With respect to Agenda item number 1 (Kwar HEPP), the Empowered Committee unanimously approved projects amounting to Rs. 906.09 lakh out of the total sanctioned amount of Rs. 1354.00 lakh under LADP component of R&R Plan of Kwar HEPP. Moreover, the Committee authorized the Deputy Commissioner, Kishtwar/Commissioner, R&R to formulate and execute the balance works under LADP for remaining amount of Rs. 447.91 lakh.

2. With respect to Agenda item number 2 (Keeru HEPP), the Empowered Committee unanimously ratified the decision of Committee designated by Empowered Committee regarding projects amounting to Rs. 2233.64 lakh out of the total sanctioned amount of Rs. 2887.00 lakh under LADP component of R&R Plan of Keeru HEPP.
3. With respect to Agenda item number 3 (Keeru HEPP), the Empowered Committee unanimously approved balance projects amounting to Rs. 552.03 lakh out of the total sanctioned amount of Rs. 2887.00 lakh under LADP component of R&R Plan of Keeru HEPP for execution.
4. With respect to Skill Development Component of R&R Plan of Keeru HEPP, it was desired by the chair that Skill Mapping of PAFs be redone immediately and action plan be prepared by Deputy Commissioner, Kishtwar /Commissioner R&R and same be placed before the Committee designated by Empowered Committee for the purpose.

The meeting ended with a vote of thanks to the chair.


Sonia Vaid
Joint Director (P)

No. DMRRR/ER/59/2021

Dated: 19.04.2025

Distribution as above

Copy to the:

1. Private Secretary to Chief Secretary J&K for kind information of Chief Secretary.
2. Private Secretary to Financial Commissioner (ACS), Jal Shakti Department, J&K for kind information of Additional Chief Secretary.
3. Private Secretary to Principal Secretary to Government, Power Development Department.
4. Private Secretary to Principal Secretary to Government, Department of Disaster Management Relief Rehabilitation and Reconstruction.
5. Private Secretary to Administrative Secretary, _____ Department for information.
6. Office File.



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड
एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और
जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक तट्टम) का एक संयुक्त उद्यम
Chenab Valley Power Projects Ltd.
A Joint Venture of NHPC Ltd. (A Govt. of India Navratna Enterprise) &
JKSPDC (A Govt. of J & K Enterprise)
सीआईएन/CTIN: U40105JK2011GOI003321

ANNEEXURE-II
कार जलविद्युत परियोजना
Kwar H.E Project
परियोजना प्रमुख सचिवालय
HOP Secretariat
फोन नं./Phone No: 01995-259230
Email: hopkwar@cvppindia.com

CVPPL/Kwar/GM(I/c)/2025/ 188

Dated: 15.07.2025

**Commissioner R&R - Kwar HE Project &
Deputy Commissioner, Kishtwar.**

**Sub: Kwar HEP – Constitution of Monitoring Committee for Rehabilitation and
Resettlement.**

Sir,

Environment Clearance for Kwar HE Project was accorded by MoEF&CC, Govt. of India in April 2017 wherein a condition was stipulated that – *“A monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.”*

During recent inspection conducted on 11.07.2025, the Sub-Office Jammu (Integrated Regional Office) of MoEF&CC raised the observation regarding non-compliance to this condition.

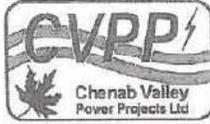
In this regard, it is requested that the requisite R&R Monitoring Committee may kindly be constituted so that the compliance status can be intimated to MoEF&CC, Govt. of India.

Thanking you.

Yours faithfully,


(S.K. Giri)

General Manager (I/c) - HOP
Kwar HE Project



Chenab Valley Power Projects Limited

A Joint Venture of NHPC Limited (A Govt. of India Navratna Enterprise) &
(JKSPDC (A Govt. of J&K Undertaking))
CIN-U40105JK2011GOI003321

HOP Secretariat
Kwar HE Project
Chenab Nagar, Sector-2,
Kishtwar, (J&K) – 182206
Ph. 01995-259230
Email: hopkwar@cvppindia.com

CVPPPL/Kwar HEP/HoP/2025-26/382

Date: 04/11/2025

Divisional Forest Officer,
Kishtwar Forest Division,
Distt. Kishtwar (J&K).
Email: dfokishtwar1@gmail.com

Sub: Biodiversity Conservation & Management Plan of Kwar HE Project – regarding Physical and Financial Status.

Ref: Letter No. CVPPPL/Kwar HEP/HoP/2024-25/362 dated 16.12.2024.

Sir,

With reference to the above cited subject, it is to inform that an amount of Rs.140.47 lakh was deposited in CAMPA Account on 11.12.2024 for implementation of the Biodiversity Conservation and Management Plan of Kwar HE Project (540MW).

In this regard, it is requested that the current status with physical and financial progress of works as on 30th September 2025 may kindly be intimated for onward submission to MoEF&CC, Govt. of India.

Thanking you.

Yours faithfully,
[Signature]
04/11/2025
General Manager (Civil)
Kwar HE Project

Copy to:

1. Chief Conservator of Forests & Nodal Officer (FCA) for information please.
2. Conservator of Forests, Chenab Circle, Doda for information please.



GOVERNMENT OF JAMMU & KASHMIR
OFFICE OF THE ASSISTANT DIRECTOR FISHERIES DISTRICT KISHTWAR

Tel: 01995-295045
 Email ID: adfctr@gmail.com

The General Manager,
 I/C - HoP,
 Kwar HE Project.

No: ADF/Ktr/2024-25/1551-52

Dated: 02-12-2024

Subject: Establishment of Fish Farming Project (as mitigation measure for fish and fisheries biodiversity) under EMP of Kwar HE Project at Kijai Paddar _____ Progress therein.

Ref: Your office no: CVPPL/Kwar HEP/HoP/2024-25/323, Dated: 23-11-2024.

Sir,

In reference to the subject cited above, it is to submit that with respect to establishment of Fish Farming Project (as mitigation measure for fish and fisheries biodiversity) under EMP of Kwar HEP the Directorate of Fisheries J&K placed an indent for land acquisition at Kijai Padder before the Collector Land Acquisition (SDM) Padder through Deputy Commissioner Kishtwar and in response to it a tentative estimate amounting to Rs.5,77,23,900/- as cost of land compensation stands conveyed to this office there from. Accordingly this office vide no: ADF/Ktr/2024-25/1549-50, Dated: 02-12-2024 has requested Director Fisheries through Joint Director Fisheries (CV) Jammu for release of funds (earmarked for land acquisition under EMP of Kwar HE Project) to the Collector Land Acquisition (SDM) Padder for disbursement among the land owners.

Hence, the information is hereby submitted for favour of kind perusal at your end, please.

Yours faithfully


Assistant Director Fisheries
District Kishtwar

Copy to the:

1. Joint Director Fisheries (CV) Jammu for favour of information, please.



GOVERNMENT OF JAMMU & KASHMIR
OFFICE OF THE ASSISTANT DIRECTOR FISHERIES DISTRICT KISHTWAR

Tel: 01995-295045

Email ID: adfctr@gmail.com

The Bank Manager
JK Bank Main Branch
Kishtwar.

No: ADF/Ktr/2025-26/154
Dated: 29-05-2025

Subject: - Advice

Sir,

On the authority of this letter kindly debit my official Account No: 0031010200001171 with your branch with a sum of Rs. 277.00 lacs (Rupees Two Hundred Seventy seven lacs only) under EMP of Kwar Hydro Electric Project at Kijaie, Paddar and credit the amount to account of the concerned as shown under.

S.No	Name of the A/C holder	A/C No.	Name of Bank	Amount
01	Sub Divisional Magistrate (Collector Land Acquisition) Paddar	0154010200000300	J&K Bank, Paddar	Rs.277.00 lacs
Total: -				Rs.277.00 lacs

(Rupees Two Hundred Seventy seven lacs only)

Yours sincerely


Assistant Director Fisheries
Distt. Kishtwar
District Kishtwar



Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-002/A		Page No. 1/2	
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill. Padyarna, Tehsil-Nagseni Dist. Kishtwar-182204 Jammu & Kashmir			
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 Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	TRT Tunnel Portal.			
Visual Observation	N/A			
Date of Sampling	08/10/2025			
Date of Reporting	17/10/2025			
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	79.7	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	38.2	Max. 60	IDL/SP/03, Issue No-1
3	SO ₂	µg/m ³	19.5	Max. 80	IS 5182 (Part 2)
4	NO ₂	µg/m ³	21.3	Max. 80	IS 5182 (Part 6)
5	NH ₃	µg/m ³	24.2	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	20.6	Max. 100	IS 5182 (Part 6)
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



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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TEST REPORT

S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	<0.1	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited

TEST REPORT

Lab No.	111025L-ED-002/B	Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project VIII.Padyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir	
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 Laboratory	
Work Order No.#	5100002557	Dated 15/08/2024
Date of Receipt of Sample	11/10/2025	
Period of Analysis	11/10/2025 To 17/10/2025	
Sampling Team	Idma Representative Team	Client Mr. Masood Akhtar
Sampling Location#	TRT Tunnel Portal.	
Visual Observation	N/A	
Date of Sampling	08/10/2025	
Date of Reporting	17/10/2025	
Sampling Protocol	NAAQMS/36/2012-13 USEPA:2013	
Testing Protocol	NAAQS	

RESULTS

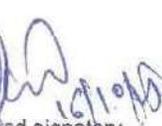
S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	CO	mg/m ³	0.48	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

Represents details provided by the customer.

End of Report

Reviewed by
16/10/25



Authorised signatory
16/10/25



Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED 002/A		Page No.	1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
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 Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	TRI Tunnel Portal.			
Visual Observation	N/A			
Date of Sampling	08/10/2025			
Date of Reporting	17/10/2025			
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	79.7	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	38.2	Max. 60	IDL/SP/03, Issue No-1
3	SO ₂	µg/m ³	19.5	Max. 80	IS 5182 (Part 2)
4	NO ₂	µg/m ³	21.3	Max. 80	IS 5182 (Part 6)
5	NH ₃	µg/m ³	24.2	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	20.6	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



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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-002/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	<0.1	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-003/A		Page No. 1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Mat Tunnel.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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	79.2	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	40.3	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	19.7	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	21.4	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	24.3	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	22.5	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



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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-003/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	<0.1	Max. 1.0	EPA/625/R-96/010a

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited

TEST REPORT

Lab No.	111025L-ED-003/B		Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill. Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Mat Tunnel.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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	0.49	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



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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-004/A	Page No.	1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padihyama, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	B/W crusher Plant Batching Plant (Left Bank)		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	16/10/2025		
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	79.1	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	36.4	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	12.5	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	17.9	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	26.7	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	22.4	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



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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.		111025L-ED-004/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



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.	111025L-ED-004/B		Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	B/W crusher Plant Batching Plant (Left Bank)		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	16/10/2025		
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	0.63	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m ³	2.1	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-005/A		Page No. 1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team		Client
Sampling Location#	Near Officer Mess.	Mr. Masood Akhtar	
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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	42.5	Max. 60	IDLSP/03, Issue No-1
3	SO2	µg/m ³	19.4	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	21.0	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	22.6	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m ³	21.5	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

 Dipu Jain
 Asst. Tech. Manager

Authorized Signatory

 Kartar Singh
 Tech. Mgr.

Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-005/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	ug/m ³	<0.1	Max. 1.0	EPA/625/R-98/010a

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Idma Laboratories Limited

TEST REPORT

Lab No.	111025L-ED-005/B		Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill, Padhyarna, Tehsil-Nagseni Dstt. Kishtwar 182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	510002557		Dated 16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team		Client Mr. Masood Akhtar
Sampling Location#	Near Officer Mess.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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	0.43	Max. 02	IS 5102 (Part 10)
2	Benzene	µg/m ³	2.08	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5162 (Part 12)

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-006/A		Page No. 1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dist. Kishwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Surge Adit Tunnel.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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	79.0	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m ³	37.4	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m ³	19.6	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m ³	21.8	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m ³	24.2	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

Dipi Jain
Asst. Tech. Manager

Authorised Signatory



Anwar Singh
Tech. Mgr.

Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.		111025L-ED-006/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m ³	<0.1	Max. 1.0	EPA/625/R-96/010a

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Idma Laboratories Limited

TEST REPORT

Lab No.	111025L-ED-006/B		Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project VIII, Padyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Surge Adit Tunnel.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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	2.19	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	<0.9	Max. 01	IS 5182 (Part 12)

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-007	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Distt. Kishwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	TRT Tunnel.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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)	67.6	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	61.4	Max 70	CPCB PROTOCOL July 2015.

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-008	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill. Padhyarna, Tehsil Nagseni Dist. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Mat Tunnel		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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)	70.6	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	66.4	Max 70	CPCB PROTOCOL July 2015.

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TEST REPORT

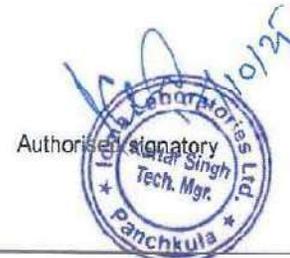
Lab No.	111025L-ED-009		Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project VIII.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Noise Level (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	B/W crusher Plant Batching Plant (Left Bank)			
Visual Observation	N/A			
Date of Sampling	08/10/2025			
Date of Reporting	17/10/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Limite	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.5	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	64.3	Max 70	CPCB PROTOCOL July 2015.

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-010	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Near Officer Mess		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
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)	72.8	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	67.2	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Authorized Signatory



Idma Laboratories Limited

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Email : commercial@idmalab.co.in

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-011	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
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 Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Surge Audit Tunnel.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	17/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Limite	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	68.7	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	63.6	Max 70	CPCB PROTOCOL July 2015.

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

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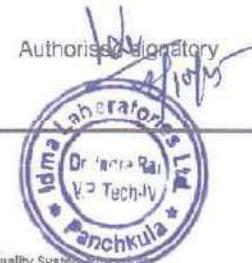
TEST REPORT

ULR : TC820725700009101F

Lab No.	111025L-FD-030	Page No. 1/3
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir	
Type of Sample#	Drinking Water	
Customer's Description of Sample#	Drinking Water	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Loo-Mat Tunnel	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	5100002557	Dated 16/08/2024
Date of Receipt of Sample	11/10/2025	
Period of Analysis	11/10/2025 To 23/10/2025	
Visual Observation	N/A	
Date of Reporting	23/10/2025	
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	-	7.21	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO3)	mg/L	40.6	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.026	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	18.83	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	13.0	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1988
9	Fluoride (as F)	mg/L	0.2	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
10	Total Hardness (as CaCO3)	mg/L	64.2	Max. 200	Max. 600	IS 3025 (Part 21) : 2009



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Idma Laboratories Limited



TEST REPORT

ULR : TC820725700009101F

Lab No.		111025L-FD-030				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	Total Dissolved Solids	mg/L	110.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
12	Sulphate (as SO ₄)	mg/L	4.28	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
13	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) : 2023
15	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min.1.0	IS 3025 (Part 26) : 2021
METALS:						
16	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) : 2023
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	0.05	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19	Manganese (as Mn)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
20	Nickel (as Ni)	mg/L	0.001	Max. 0.02	No Relaxation	IS 3025 (Part 54) : 2003
21	Zinc (as Zn)	mg/L	0.015	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	0.001	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	Silver (as Ag)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	No Relaxation	Annex J of IS: 13428 : 2005
25	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) : 1994
26	Sodium as Na	mg/L	1.1	-	-	IS 3025 (Part-46) : 2024
27	Potassium as K	mg/L	1.0	-	-	IS 3025 (Part-46) : 2024
28	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) : 2022



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TEST REPORT

ULR : TC820725700009101F

Lab No.		111025L-FD-030			Page No. 3/3	
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
28)			
29	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
	Biological Testing (Water)	--	-	--	--	--
30	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
31	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

Reviewed by



Authorised signatory



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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700009102F

Lab No.	111025L-FD-031	Page No. 1/3	
Customer#	Patel Engineering Limited Kwar Hydroelectric Project VIII.Padhyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Drinking Water		
Customer's Description of Sample#	Drinking Water		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Officer Mess		
Mode of Collection of Sample	Sample Collected By Idma Lab Person		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 23/10/2025		
Visual Observation	N/A		
Date of Reporting	23/10/2025		
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	-	7.34	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO ₃)	mg/L	52.78	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.026	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	20.54	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	12.50	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1986
9	Fluoride (as F)	mg/L	0.2	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
10	Total Hardness (as CaCO ₃)	mg/L	77.04	Max. 200	Max. 600	IS 3025 (Part 21) : 2009

Reviewed by *[Signature]* 23/10/2025

Authorized signatory *[Signature]*

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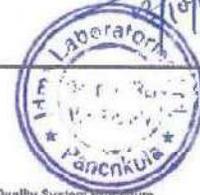


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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700009102F

Lab No.		111025L-FD-031				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	Total Dissolved Solids	mg/L	125.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
12	Sulphate (as SO ₄)	mg/L	4.57	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
13	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) : 2023
15	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min. 1.0	IS 3025 (Part 26) : 2021
METALS:						
16	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) : 2023
17	Copper (as Cu)	mg/L	0.001	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
18	Iron (as Fe)	mg/L	0.050	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19	Manganese (as Mn)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
20	Nickel (as Ni)	mg/L	0.001	Max. 0.02	No Relaxation	IS 3025 (Part 54) : 2003
21	Zinc (as Zn)	mg/L	0.018	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	0.001	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	Silver (as Ag)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	No Relaxation	Annex J of IS: 13428 : 2005
25	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) : 1994
26	Sodium as Na	mg/L	1.2	-	-	IS 3025 (Part-45): 2024
27	Potassium as K	mg/L	1.0	-	-	IS 3025 (Part-45): 2024
28	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) : 2022
29	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
Biological Testing (Water)						
30	E. coli	/100ml	Absent	Shall not be detectable in	--	IS 15185: 2016



Authorised Signatory



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Idma Laboratories Limited



TEST REPORT

ULR : TC820726700009102F

Lab No.		111025L-FD-031			Page No. 3/3	
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
30				any 100ml sample		
31	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****

Reviewed by



Authorised signatory



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Idma Laboratories Limited



TEST REPORT

ULR : TC820725700009103F

Lab No.	111025L-FD-032	Page No. 1/3
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhama, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir	
Type of Sample#	Drinking Water	
Customer's Description of Sample#	Drinking Water	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Worker Mess	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	5100002557	Dated 16/08/2024
Date of Receipt of Sample	11/10/2025	
Period of Analysis	11/10/2025 To 23/10/2025	
Visual Observation	N/A	
Date of Reporting	23/10/2025	
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	-	7.45	6.5-8.5	No Relaxation	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	48.72	Max. 200	Max. 600	IS 3025 (Part 23) : 2023
5	Boron	mg/L	0.030	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	23.97	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	13.50	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1986
9	Fluoride (as F)	mg/L	0.2	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
10	Total Hardness (as CaCO ₃)	mg/L	77.04	Max. 200	Max. 600	IS 3025 (Part 21) : 2009



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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700009103F

Lab No.		111025L-FD-032				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	Total Dissolved Solids	mg/L	130.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
12	Sulphate (as SO ₄)	mg/L	4.71	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
13	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) : 2023
15	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min. 1.0	IS 3025 (Part 26) : 2021
METALS:						
16	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) : 2023
17	Copper (as Cu)	mg/L	0.002	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
18	Iron (as Fe)	mg/L	0.051	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19	Manganese (as Mn)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
20	Nickel (as Ni)	mg/L	0.001	Max. 0.02	No Relaxation	IS 3025 (Part 54) : 2003
21	Zinc (as Zn)	mg/L	0.020	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	0.001	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	Silver (as Ag)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	No Relaxation	Annex J of IS: 13428 : 2005
25	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 48) : 1994
26	Sodium as Na	mg/L	1.2	-	-	IS 3025 (Part-45): 2024
27	Potassium as K	mg/L	1.0	-	-	IS 3025 (Part-45): 2024
28	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) : 2022
29	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
Biological Testing (Water)						
30	E. coli	/100ml	Absent	Shall not be detectable in	-	IS 15185: 2016



Authorized signatory



Idma Laboratories Limited

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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700009103F

Lab No.		111025L-FD-032			Page No. 3/3	
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
30				any 100ml sample		
31	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

Reviewed by



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Idma Laboratories Limited



TEST REPORT

ULR : TC820725700009104F

Lab No.	111025L-FD-033	Page No. 1/3
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir	
Type of Sample#	Drinking Water	
Customer's Description of Sample#	Drinking Water	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Loc-Client Office	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	5100002557	Dated 16/08/2024
Date of Receipt of Sample	11/10/2025	
Period of Analysis	11/10/2025 To 23/10/2025	
Visual Observation	N/A	
Date of Reporting	23/10/2025	
Testing Protocol	IS 10500:2012 Amnd 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	-	7.02	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO3)	mg/L	40.6	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.028	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	18.33	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	12.0	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
8	Cyanide (as CN)	mg/L	BLQ (LOQ-0.05)	Max. 0.05	No Relaxation	IS 3025 (Part 27) : 1986
9	Fluoride (as F)	mg/L	0.2	Max. 1	Max. 1.5	IS 3025 (Part 60) : 2008
10	Total Hardness (as CaCO3)	mg/L	64.2	Max. 200	Max. 600	IS 3025 (Part 21) : 2009



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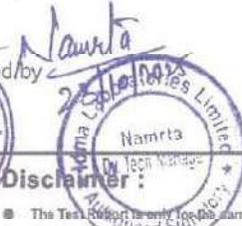
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TEST REPORT

ULR : TC820725700009104F

Lab No.		111025L-FD-033				Page No. 2/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
11	Total Dissolved Solids	mg/L	106.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
12	Sulphate (as SO ₄)	mg/L	4.71	Max. 200	Max. 400	IS 3025 (Part 24/Sec 1) : 2022
13	Turbidity	NTU	<1	Max. 1	Max. 5	IS 3025 (Part 10) : 2023
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) : 2023
15	Free Residual chlorine	mg/L	BLQ (LOQ-0.1)	Min. 0.2	Min. 1.0	IS 3025 (Part 26) : 2021
METALS:						
16	Cadmium (as Cd)	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	IS 3025 (Part 41) : 2023
17	Copper (as Cu)	mg/L	0.001	Max. 0.05	Max. 1.5	IS 3025 (Part 42) : 1992
18	Iron (as Fe)	mg/L	0.064	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003
19	Manganese (as Mn)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	Max. 0.3	IS 3025 (Part 59) : 2006
20	Nickel (as Ni)	mg/L	BLQ (LOQ-0.0005)	Max. 0.02	No Relaxation	IS 3025 (Part 54) : 2003
21	Zinc (as Zn)	mg/L	0.020	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	0.001	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	Silver (as Ag)	mg/L	BLQ (LOQ-0.0005)	Max. 0.1	No Relaxation	Annex J of IS: 13428 : 2005
25	Mercury (as Hg)	mg/L	BLQ (LOQ-0.0005)	Max. 0.001	No Relaxation	IS 3025 (Part 46) : 1994
26	Sodium as Na	mg/L	1.1	-	-	IS 3025 (Part-45) : 2024
27	Potassium as K	mg/L	1.0	-	-	IS 3025 (Part-45) : 2024
28	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 37) : 2022
29	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005)	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
Biological Testing (Water)						
30	E. coli	/100ml	Absent	Shall not be	--	IS 15185: 2016



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Idma Laboratories Limited



TC-8207

TEST REPORT

ULR : TC820725700009104F

Lab No.	111025L-FD-033				Page No. 3/3	
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
30				detectable in any 100ml sample		
31	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

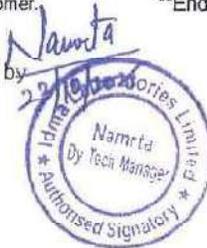
Opinion :

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

Reviewed by



Authorised signatory



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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-021	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Noise Level D.G.		
Customer's Description of Sample#	Noise Level D.G.		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 13/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	DG Noise caterpillar 1000 KVA.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	13/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	72.3	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	102.5	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	77.2	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.4	Min. 25	CPCB PROTOCOL JULY 2015

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-022		Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Noise Level D.G.			
Customer's Description of Sample#	Noise Level D.G.			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 13/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	DG Noise caterpillar 500 KVA			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	13/10/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	70.8	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	97.3	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	71.2	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	26.1	Min. 25	CPCB PROTOCOL JULY 2015

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-024	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project VIII, Padyama, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Noise Level D.G.		
Customer's Description of Sample#	Noise Level D.G.		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 13/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	DG Noise catterpillar 500 KVA.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	13/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	69.2	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	102.9	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.7	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	26.2	Min. 25	CPCB PROTOCOL JULY 2015

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End of Report



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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-023	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Noise Level D.G.		
Customer's Description of Sample#	Noise Level D.G.		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 13/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	DG Noise caterpillar 500 KVA.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	13/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	67.6	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	100.1	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	74.2	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.9	Min. 25	CPCB PROTOCOL JULY 2015

Represents details provided by the customer.

End of Report



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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-027	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Noise Level D.G.		
Customer's Description of Sample#	Noise Level D.G.		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 13/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhlar
Sampling Location#	DG Noise caterpillar 600 KVA.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	13/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	70.8	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	100.4	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	73.9	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	26.5	Min. 25	CPCB PROTOCOL JULY 2015

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

Idma Corporate Park,

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Tel No. 0172 - 5064827, - 5064830

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-025	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil:Nagseni Dstf. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Noise Level D.G.		
Customer's Description of Sample#	Noise Level D.G.		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 13/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	DG Noise caterpillar 500 KVA.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	13/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	66.8	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	99.6	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	73.4	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	26.2	Min. 25	CPCB PROTOCOL JULY 2015

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-026	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Noise Level D.G.		
Customer's Description of Sample#	Noise Level D.G.		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 13/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	DG Noise caterpillar 500 KVA.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	13/10/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)		-	-	-
1	1.0 m from the enclosure surface	dB(A)	71.6	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	104.5	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	78.7	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.8	Min. 25	CPCB PROTOCOL JULY 2015

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-028		Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Noise Level D.G.			
Customer's Description of Sample#	Noise Level D.G.			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 13/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	DG Noise 500 KVA.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	13/10/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Source Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	72.3	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	102.1	--	CPCR PROTOCOL JULY 2016
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	78.8	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.3	Min. 25	CPCB PROTOCOL JULY 2015

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TEST REPORT

Lab No.	111025L-ED-029	Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir	
Type of Sample#	Noise Level D.G.	
Customer's Description of Sample#	Noise Level D.G.	
Quantity#	01 No.	
Packing, Markings#	Instrument at Site.	
Mode of Collection of Sample	Sampling by Laboratory	
Work Order No.#	5100002557	Dated 16/08/2024
Date of Receipt of Sample	11/10/2025	
Period of Analysis	11/10/2025 To 13/10/2025	
Sampling Team	Idma Representative Team	Client Mr. Masood Akhtar
Sampling Location#	DG Noise Caterpillar 1000 KVA.	
Visual Observation	N/A	
Date of Sampling	09/10/2025	
Date of Reporting	13/10/2025	
Sampling Protocol	CPCB PROTOCOL:2015	
Testing Protocol	CPCB	

RESULTS

S.No.	Test Parameter	Units	Result	Specifications	Test Method
	CHEMICAL DISCIPLINE (Sources Noise Levels)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	69.4	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	101.6	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.0	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.7	Min. 25	CPCB PROTOCOL JULY 2015

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TEST REPORT

Lab No.	111025L-ED-030	Page No.	1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill. Padyama, Tehsil-Nagseni Dist. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Surface Water (River Water)		
Customer's Description of Sample#	Surface Water (River Water)		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team Idma	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Up-Stream-Chenab River.		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	16/10/2025		
Sampling Protocol	APHA 1060 B & C 24th Edition, 2023		
Testing Protocol	--		

RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.52	IS 3025 (Part 11)
2	Alkalinity (as CaCO ₃)	mg/L	121.3	IS 3025 (Part 23)
3	Calcium (as Ca)	mg/L	25.9	IS 3025 (Part 40)
4	Chloride (as Cl)	mg/L	16.4	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	6.8	IS 3025 (Part 38)
6	Hardness Total (as CaCO ₃)	mg/L	97	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	182	IS 3025 (Part 16)
8	Sulphate (as SO ₄)	mg/L	13.4	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)



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TEST REPORT

Lab No.	111025L-ED-030			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods
10	Residual Free chlorine	mg/L	0.22	IS 3025 (Part 26)
11	Magnesium (as Mg)	mg/L	7.82	IS 3025 (Part 46)
12	Iron as Fe	mg/L	0.0006	IS 3025 (Part 53)
13	Lead as Pb	mg/L	BLQ(OQ-0.0005)	IS 3025 (Part 17)
14	Manganese as Mn	mg/L	BLQ(OQ-0.0005)	IS 3025 (Part 47)
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	<2	IS 3025 (Part 44)
16	Chemical Oxygen Demand	mg/L	<4	IS 3025 (Part 58)
	Biological Testing (Environment & Pollution)	-	-	-
17	Feecal Coliform	MPN/100ml	84	IS 1622: 1981

Opinion :

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End of Report



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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-031		Page No. 1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Surface Water (River Water)		
Customer's Description of Sample#	Surface Water (River Water)		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team Idma	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Down Stream, Chenab River.		
Visual Observation	N/A.		
Date of Sampling	08/10/2025		
Date of Reporting	16/10/2025		
Sampling Protocol	APHA 1060 B & C 24th Edition		
Testing Protocol	--		

RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.68	IS 3025 (Part 11)
2	Alkalinity (as CaCO ₃)	mg/L	104	IS 3025 (Part 23)
3	Calcium (as Ca)	mg/L	26.8	IS 3025 (Part 40)
4	Chloride (as Cl)	mg/L	17.6	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	7.1	IS 3025 (Part 38)
6	Hardness Total (as CaCO ₃)	mg/L	100.2	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	189	IS 3025 (Part 16)
8	Sulphate (as SO ₄)	mg/L	14.5	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)



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TEST REPORT

Lab No.	111025L-ED-031			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods
10	Residual Free chlorine	mg/L	0.21	IS 3025 (Part 26)
11	Magnesium (as Mg)	mg/L	8.1	IS 3025 (Part 46)
12	Iron as Fe	mg/L	0.0006	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 47)
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	<2	IS 3025 (Part 44)
16	Chemical Oxygen Demand	mg/L	<4	IS 3025 (Part 58)
17	Biological Testing (Environment & Pollution)	-	-	-
17	Faecal Coliform	MPN/100ml	120	IS 1622: 1981

Opinion :

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End of Report



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TEST REPORT

Lab No.	111025L-ED-032		Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Waste Water (Mess)			
Customer's Description of Sample#	Waste Water (Mess)			
Quantity#	2.0 Ltr.			
Packing, Markings#	Plastic Can.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 16/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	Officer Mess.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	16/10/2025			
Sampling Protocol	APHA 1060 B & C 24th Edition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	7.56	5.5-9.0	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	108.2	Max 250	IS 3025 (Part 5A)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	23	Max 30	IS 3025 (Part 44)
4	Oil & Grease	mg/L	3.1	Max 10	IS 3025 (Part 30)
5	Total Dissolved Solids (TDS)	mg/L	764	-	IS 3025 (Part 16)
6	Total Suspended Solids (TSS)	mg/L	28	Max 100	IS 3025 (Part 17)

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TEST REPORT

Lab No.	111025L-ED-033	Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill. Padyama, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Waste Water (Mess)		
Customer's Description of Sample#	Waste Water (Mess)		
Quantity#	2 Ltr.		
Packing, Markings#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Worker Mess.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	16/10/2025		
Sampling Protocol	APHA 1060 B & C 24th Edition		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	7.82	5.5-9.0	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	102.5	Max. 250	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	19	Max. 30	IS 3025 (Part 44)
4	Oil & Grease	mg/L	2.8	Max. 10	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	861	-	IS 3025 (Part 16)
6	Total Suspended Solids (TSS)	mg/L	34	Max. 100	IS 3025 (Part 17)

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Tel No. 0172 - 5064827 - 5064830

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-034		Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Distt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Waste Water (Tunnel)		
Customer's Description of Sample#	Waste Water (Tunnel)		
Quantity#	2.0 Ltr.		
Packing, Markings#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	TRI Tunnel		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	16/10/2025		
Sampling Protocol	APHA 1060 B & C 24th Edition		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	6.95	5.5-9.0	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	85	Max. 250	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	13	Max. 30	IS 3025 (Part 44)
4	Oil & Grease	mg/L	<2.5	Max. 10	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	746	-	IS 3025 (Part 16)
6	Total Suspended Solids (TSS)	mg/L	22	Max. 100	IS 3025 (Part 17)

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TEST REPORT

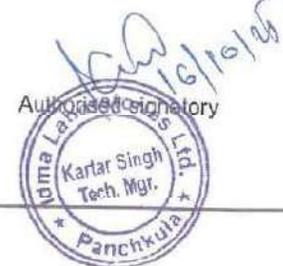
Lab No.	111025L-ED-035		Page No. 1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Waste Water (Tunnel)		
Customer's Description of Sample#	Waste Water (Tunnel)		
Quantity#	2.0 Ltr.		
Packing, Markings#	Plastic Can		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 16/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Mat Tunnel		
Visual Observation	N/A		
Date of Sampling	08/10/2025		
Date of Reporting	16/10/2025		
Sampling Protocol	APHA 1060 B & C 24th Edition		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	7.42	5.5-9.0	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	78	Max. 250	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	11	Max. 30	IS 3025 (Part 44)
4	Oil & Grease	mg/L	<2.5	Max. 10	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	782	-	IS 3025 (Part 16)
6	Total Suspended Solids (TSS)	mg/L	24	Max. 100	IS 3025 (Part 17)

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-036		Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Distt. Kiehtwar-182204 Jammu & Kashmir			
Type of Sample#	Waste Water (Tunnel)			
Customer's Description of Sample#	Waste Water (Tunnel)			
Quantity#	2.0 Ltr.			
Packing, Markings#	Plastic Can.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 16/10/2025			
Sampling Team	Idma Representative Team		Client	Mr. Masood Akhtar
Sampling Location#	Search Gallery.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	16/10/2025			
Sampling Protocol	APHA 1060 B & C 24th Edition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	7.63	5.5-9.0	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	80	Max. 250	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	21	Max. 30	IS 3025 (Part 44)
4	Oil & Grease	mg/L	2.6	Max. 10	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	766	-	IS 3025 (Part 16)
6	Total Suspended Solids (TSS)	mg/L	27	Max. 100	IS 3025 (Part 17)

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Idma Laboratories Limited

TEST REPORT

Lab No.	111025L-ED-012/B	Page No. 1/1	
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Stack Emission (DG)		
Customer's Description of Sample#	Stack Emission (DG)		
Quantity#	01 No.		
Packing, Markings#	Thimble Packed in Polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Stack Attached to DG Caterpillar 1000 KVA, DG-01.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	17/10/2025		
Sampling Protocol	LATS/80/2013-14 USEPA:2013		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	NMHC	mg/Nm ³	20.4	Max. 100	IS 5182 (Part-21)

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TEST REPORT

Lab No.	111025L-ED-012/A		Page No.	1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Stack Emission (DG)			
Customer's Description of Sample#	Stack Emission (DG)			
Quantity#	01 No.			
Packing, Markings#	Thimble Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	Stack Attached to DG Caterpillar 1000 KVA, DG-01.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	17/10/2025			
Sampling Protocol	LATS/80/2013-14 USEPA:2013			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION):	-	-	-	
	STACK MONITORING -GENERAL INFORMATIONS:	-	-	-	
1	Stack Height	Meters	7.0	-	-
2	Stack Diameter	Meters	0.152	-	-
3	Ambient Temperature	°C	21	-	-
4	Stack Temperature	°C	130	-	-
5	Velocity	m/s	13.5	-	-
6	Type of Fuel	-	HSD	-	-



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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-012/A				Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
7	Sampling Flow rate	LPM	25	-	-
8	Sampling Time	Minutes	30	-	-
9	Volumetric Flow rate	Nm ³ /hr	640.7	-	-
	PARAMETERS:	-	-	-	-
10	PM	mg/Nm ³	55.1	Max. 75	IS:11255(Part -1)
11	CO	mg/Nm ³	61.6	Max. 150	IS:13270
12	NOx	ppmv.	142.5	Max. 710	IS: 11255(Part -7)
13	SO2	mg/Nm ³	43.8	-	IS: 11255(Part -2)

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TEST REPORT

Lab No.	111025I-ED-013/B		Page No.	1/1
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dist. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Stack Emission (DG)			
Customer's Description of Sample#	Stack Emission (DG)			
Quantity#	01 No.			
Packing, Markings#	Thimble Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	Stack Attached to DG Caterpiller 500 KVA, DG-02.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	17/10/2025			
Sampling Protocol	LATS/80/2013-14 USEPA:2013			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	NOx +HC	g/kW-hr	2.01	Max. 4.0	IS: 11255(Part -7)

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Idma Laboratories Limited



TC-8207

TEST REPORT

Lab No.	111025L-ED-013/A		Page No. 1/2	
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padyama, Tehsil-Nagsoni Distt. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Stack Emission (DG)			
Customer's Description of Sample#	Stack Emission (DG)			
Quantity#	01 No.			
Packing, Markings#	Thimble Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	Stack Attached to DG Caterpillar 500 KVA, DG-02.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	17/10/2025			
Sampling Protocol	LATS/80/2013-14 USEPA:2013			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION):	-	-	-	-
	STACK MONITORING -GENERAL INFORMATIONS:	-	-	-	-
1	Stack Height	Meters	4.0	-	-
2	Stack Diameter	Meters	0.152	-	-
3	Ambient Temperature	°C	21	-	-
4	Stack Temperature	°C	105	-	-
5	Velocity	m/s	13.5	-	-
6	Type of Fuel	-	HSD	-	-



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TC-8207

TEST REPORT

Lab No.		111025L-ED-013/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
7	Sampling Flow rate	LPM	24	-	-
8	Sampling Time	Minutes	31	-	-
9	Volumetric Flow rate	Nm ³ /hr	642.6	-	-
PARAMETERS:					
10	PM	g/kW-hr	0.12	Max. 0.2	IS:11255(Part 1)
11	CO	g/kW-hr	1.07	Max. 3.5	IS:13270
12	SO ₂	g/kW-hr	1.35	-	IS: 11255(Part -2)

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Idma Laboratories Limited

TEST REPORT

Lab No.	111025L-ED-014/B		Page No. 1/1	
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill. Pachyama, Tehsil-Nagseni Dist. Kishtwar-182204 Jammu & Kashmir			
Type of Sample#	Stack Emission (DG)			
Customer's Description of Sample#	Stack Emission (DG)			
Quantity#	01 No.			
Packing, Markings#	Thimble Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Work Order No.#	5100002557	Dated	16/03/2024	
Date of Receipt of Sample	11/10/2025			
Period of Analysis	11/10/2025 To 17/10/2025			
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar	
Sampling Location#	Stack Attached to DG Caterpillar 500 KVA, DG-3.			
Visual Observation	N/A			
Date of Sampling	09/10/2025			
Date of Reporting	17/10/2025			
Sampling Protocol	LATS/80/2013-14 USEPA:2013			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
1	NOx +HC	g/kW-hr	2.02	Max. 4.0	IS: 11255(Part -7)

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Idma Laboratories Limited



TEST REPORT

Lab No.	111025L-ED-014/A	Page No.	1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyama, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Stack Emission (DG)		
Customer's Description of Sample#	Stack Emission (DG)		
Quantity#	01 No.		
Packing, Markings#	Thimble Packed in Polythene Pouch.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	5100002557	Dated	16/08/2024
Date of Receipt of Sample	11/10/2025		
Period of Analysis	11/10/2025 To 17/10/2025		
Sampling Team	Idma Representative Team	Client	Mr. Masood Akhtar
Sampling Location#	Stack Attached to DG Caterpillar 500 KVA, DG-3.		
Visual Observation	N/A		
Date of Sampling	09/10/2025		
Date of Reporting	17/10/2025		
Sampling Protocol	LATS/80/2013-14 USEPA:2013		
Testing Protocol	CPCB		

RESULTS

S.No.	Test Parameter	Units	Results	Specifications	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION):	-	-	-	
	STACK MONITORING -GENERAL INFORMATIONS:	-	-	-	
1	Stack Height	Meters	7.0	-	-
2	Stack Diameter	Meters	0.152	-	-
3	Ambient Temperature	°C	21	-	-
4	Stack Temperature	°C	100	-	-
5	Velocity	m/s	12.2	-	-
6	Type of Fuel	-	HSD	-	-



Authorised signatory
Masood Akhtar Singh
Tech. Mgr.
Idma Laboratories Ltd.
Panchkula

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

Disclaimer :

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- Samples not drawn by us unless otherwise stated.
- Total liability of Idma Laboratories Limited is limited to the invoiced amount.
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