

**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-U40105JK2011PTC003321

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

CVPP/KWAR/HoP/2025-26/77

Date: 28/5/2025

Deputy Director 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.

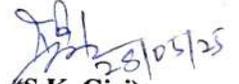
Sir,

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 March, 2025.

Thanking you.

Encl: As Above (Annexure-I).

Yours sincerely,

  
(S.K. Giri)

General Manager

HOP-Kwar H.E Project

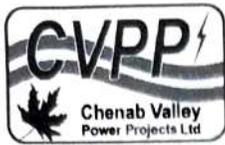
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**Copy to:**

1. Director, Impact Assessment Division-1, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj, New Delhi- 110003.  
Email: [yogendra78@nic.in](mailto:yogendra78@nic.in)

**N.O.O.**

1. Group General Manager, Planning Division, CVPPPL, Jammu for information please.



# CHENAB VALLEY POWER PROJECTS LIMITED

(A Joint Venture among NHPC Limited and JKSPDC)

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

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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 (March, 2025)

1	Name of Project	<b>Kwar HE Project (540 MW)(CVPP)</b>						
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: <a href="mailto:hopkwar@cvppindia.com">hopkwar@cvppindia.com</a>  (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 &amp; 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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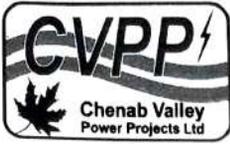
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		3. Fisheries Development Plan 4. Solid Waste Management Plan 5. Public Health Delivery System 6. Energy Conservation Measures 7. Muck Disposal Plan 8. Landscaping & restoration Plan 9. Air & Water Management Plan 10. Reservoir Rim treatment Plan 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&amp;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	Sanctioned cost as per CCEA Clearance 4526.12 Cr. (Sept 2020 PL)  Actual expenditure: 982.65 Cr. (till March 2025)  Allocations for EMP: 137.35 Cr. (approved by MoEF&CC)



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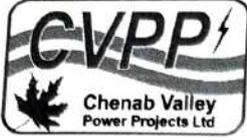
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on EMP so far	Actual expenditure incurred on EMP:		
	S.No.	Component	Expenditure (Rs. in Lakh)
	i.	Payment released on account of Forest Clearance (including NPV/Compensatory Afforestation Plan/Compensation for trees)	383.24
		Payment released towards 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*	103.42
	viii.	Energy Conservation Measures*	737.80
	ix.	Muck Disposal Plan	443.70
	x.	Air & Water Management Plan* #	5.69
	xi.	Solid Waste Management Plan*	212.31
		<b>Total</b>	<b>6260.40</b>

\* 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 185.12 lakh incurred by contractor under contract provisions for dust suppression measures in project area.



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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&amp;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&amp;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&amp;CC and thereafter a Show Cause Notice dated 05.11.2024 was issued by MoEF&amp;CC.</p> <p>Point-wise reply to Show Cause Notice stands submitted to MoEF&amp;CC vide letter dated 25.11.2024.</p>
14.	<p>Brief note on the status of compliance of the conditions stipulated by MOEF&amp;CC</p>	<p>Details are enclosed as <b>Annexure-II</b>.</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
<b>Specific Conditions</b>		
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>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 &amp; Water Conservation Department and the same was submitted to J&amp;K Forest Department for approval of the competent authority in September 2024.</p> <p>The revised CAT Plan was approved by PCCF (HoFF), J&amp;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.</p> <p>The requisitioned funds stand deposited into CAMPA Account on 29.03.2025. <b>(Annexure-IIa).</b> The utilization thereagainst is still awaited. The implementation of CAT Plan shall commence in FY-2025-26.</p>
iii	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	<p>Being Complied.</p> <p>GoJK has approved the R&amp;R plan of the project vide Govt. Order No.-44-DMRR&amp;R of 2018 dated 03.08.2018. DC Kishtwar has been appointed as Commissioner R&amp;R vide GoJK Order dated 03.03.2020.</p>



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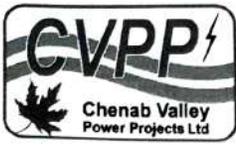
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	<p>has been made as per the norms of the National Rehabilitation &amp; Resettlement Policy (NRRP), 2007 and guidelines of J&amp;K State Government. The project affected population should be resettled and rehabilitated as per the Jammu &amp; Kashmir state R&amp;R policy. All R&amp;R issues shall be completed before commissioning of the project.</p>	<p>Approved cost of R&amp;R plan is Rs. 35.83 Crore including the cost of Rs. 13.54 Crore towards local area development plan (LADP). 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&amp;R Plan. Till date an amount of Rs.194.71 lakh has been released to the eligible PAFs as individual benefits. The works to be executed under LADP have been approved by Empowered Committee of GoJK. Till date an expenditure of Rs.134.70 lakh has been incurred by Commissioner R&amp;R on LADP works. The latest utilization certificate to this effect has also been received from the office of Commissioner R&amp;R/Deputy Commissioner Kishtwar. (Annexure-IIb)</p>
iv	<p>Implementation of R&amp;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 &amp; timely compensation.</p>	<p>GoJK constituted the Empowered Committee under the Chairmanship of Chief Secretary, GoJK to finalize and monitor the implementation of R&amp;R plan of Kwar HEP vide G.O. No. 1281-GAD of 2017 dated 09.10.2017.  Further, Deputy Commissioner, Kishtwar has been appointed as the Commissioner for implementation of R&amp;R Plan.  The implementation of R&amp;R Plan is being reviewed from time to time by DMRR&amp;R Department, GoJK as well as by the Chief Secretary GoJK and the Empowered Committee so as to expedite the implementation of approved R&amp;R Plan. <b>Latest Meeting Notice and MoM are enclosed as-Annexure-IIc</b>  As informed by Commissioner R&amp;R, the admissible individual R&amp;R benefits stand disbursed to the eligible PAFs. Till date an amount of Rs.194.71 lakh stands disbursed. The works to be executed under LADP of R&amp;R Plan have been</p>



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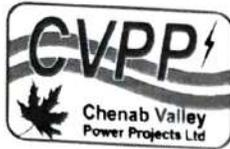
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		approved by the Empowered Committee of GoJK. Till date an expenditure of Rs.134.70 lakh has been incurred by Commissioner R&R on LADP works. <b>(Annexure-IIb)</b>
v	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.	GoJK approved the R&R plan of the project vide Govt. Order No.-44-DMRR&R of 2018 dated 03.08.2018 wherein approval has also been granted for constitution of committee under the Chairmanship of Deputy Commissioner for monitoring of implementation of R&R Plan. However, the final order for constitution of committee is awaited.
vi	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	Being Complied. The 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. The 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.134.70 lakh has been incurred till date on approved infrastructure works. <b>(Annexure-IIb)</b>
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 be complied  The release of e-flows specified in the EC letter for different seasons post project commissioning shall be fully

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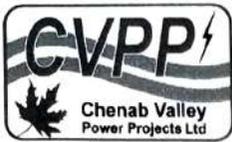
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	shall have to be maintained. On line monitoring system for the e-flow releases measurement shall be installed and data be displayed at appropriate site for civil society and stake holders. Six monthly results shall be submitted to the regional office of the Ministry.	<p>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 <sup>3</sup> of muck to be generated, 8.13 lakh m <sup>3</sup> will be reused in various project components and remaining 30.60 lakh m <sup>3</sup> 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>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&amp;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&amp;K Forest Department in the year 2021-2022. Utilization certificate for Compensatory Afforestation has been submitted by the Forest Department.</p>
x	Landscaping & Restoration Plan as proposed in EMP Report, shall be developed. The proposed plan includes Treatment of Borrow Pits and Quarry Sites, Landscaping & Restoration and Greenbelt development. Local indigenous	<p>Shall be complied.</p> <p>Presently the project construction works are in full swing and sites/locations are not available for green belt development.</p>



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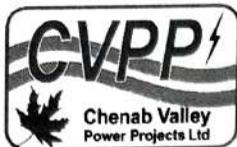
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	varieties of plants to be planted and maintained till their full growth including gap filling. The implementation shall be undertaken in consultation with State Forest Department. The allocated budget of Rs. 224.04 lakhs shall be fully utilized for this purpose and not to be diverted to any other purpose.	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 purpose.	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.  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.	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. <b>(Annexure-IId)</b> . The utilization certificate thereagainst is awaited.  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.	Being Complied 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



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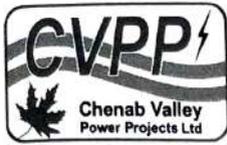
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		<p>released by the Project on 09.07.2024. The utilization certificate thereagainst is awaited.</p>
<p>xiv</p>	<p>Skill mapping of the area to be got conducted, mentioning the skills inherent of the local people, and based on the skill mapping, the training to the youths be incorporated for their appropriate engagement in the Project.</p>	<p><b>Being Complied.</b></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&amp;R. The plan is to be implemented as a component of R&amp;R Plan through Commissioner R&amp;R i.e. Dy. Commissioner, Kishtwar. An amount of Rs.4.15 Crore is available in the approved R&amp;R plan for implementation of Skill Development Plan.</p> <p>A series of meetings for the implementation of Skill Mapping and Development Plan have been held by GoJK at the highest level for re-formulation and implementation of Skill Management Plan of all CVPPL Projects including Kwar HE Project. As per the recommendations of Principal Secretary DMRR, GoJK, a Project Management Unit has been constituted under the chairmanship of Dy. Commissioner Kishtwar including CVPPL Project Heads and other J&amp;K Departments for formulation and management of Skill Development Components of all the CVPPL Projects. In addition to that Granular level Nodal team for each project has also been constituted under the Chairmanship of Dy. Commissioner Kishtwar including a project representative, Chief Planning Officer, Kishtwar, Principal ITI Kishtwar for carrying out Skill Mapping and implementation of Skill Development Plan of the respective projects.</p> <p>A fresh survey was got conducted by the Commissioner R&amp;R for Skill Mapping of the PAFs in May 2025 and the implementation of skill development plan has been started accordingly. <b>The</b></p>



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Fax no. 01995-259230

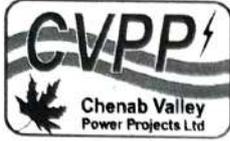
e-mail: hopkwar@cvppindia.com

website: [www.cvppindia.com](http://www.cvppindia.com)

		details are as (Annexure-IIb)
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-e)
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 <sup>st</sup> meeting held on 9 <sup>th</sup> 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.	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.
<b>General Conditions</b>		
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.
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

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 among NHPC Limited and JKSPDC)

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

CIN: U40105JK2011PTC003321

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e-mail: hopkwar@cvppindia.com

website: [www.cvppindia.com](http://www.cvppindia.com)

		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. <b>(Reports Enclosed-Annexure-II-e)</b>
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 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

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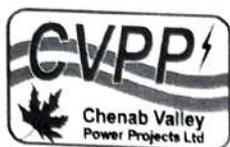
Management Plan.  
However, the three Early Flood Warning System (EFWS) have been installed at Village Layee, Gulabgarh and village Massu as an advance measure upstream of the project site to monitor the river flow levels.

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.

Complied  
EMC has been constituted on 22.06.2018.

### Other Conditions stipulated in EC Letter requiring compliance by CVPPPL

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 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.	Being complied
11.	In case of change in the scope of the project, the same may be intimated to the Ministry and a fresh	There is no change in scope of the Project. Shall be complied if required.



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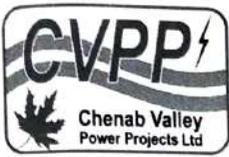
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website: [www.cvppindia.com](http://www.cvppindia.com)

	approval, if required, shall be taken from the Ministry.	
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. <a href="http://www.moef.nic.in">http://www.moef.nic.in</a>	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 the Ministry.	Shall be complied.



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CIN: U40105JK2011PTC003321

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<p>19. 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 &amp; 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 &amp; suggest remedial measures, if so required.</p>	<p>Approval for constitution of MDC was accorded by MoEF&amp;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&amp;CC IRO, Jammu in May 2024. 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>
--	---

Office Address

Srinagar Office : Forest Complex, Sheikh Bagh, Phone: 0194-2483937

Lal Chowk, Sgr-190001

Jammu Office : Forest Resource Mgmt. Centre, Phone: 0191-3511909

Narwal Jammu-180006



URL Address: [www.jkforest.gov.in](http://www.jkforest.gov.in)

E-mail: [pccfjkforest@gmail.com](mailto:pccfjkforest@gmail.com)



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



**Chief Conservator of Forests,  
Jammu**

No. PCCF/FCA/4935/ 6291-94

Dated 23-01-2025

**Sub: - Approval of Catchment Area Treatment (CAT) Plan of Kirthai-II, Kiru and Kwar Hydro Electric Project (HEP).**

**Ref:- Conservator of Forests, Chenab Circle Doda's communication No. CFC/Plg/2024-25/8057-61 dated 26-11-2024.**

Sir,

With reference to the Catchment Area Treatment (CAT) Plan of Kirthai-II, Kiru and Kwar Hydro Electric Project (HEP) furnished by Conservator of Forests, Chenab Circle Doda, I am directed to convey the approval of the Pr. Chief Conservator of Forests & HoFF J&K to the CAT Plans of Kirthai-II, Kiru and Kwar Hydro Electric Project with the following terms and conditions:-

1. Overall improvement in the environmental condition of the catchment area with a human centric approach wherein overall socio economic condition of the area will move up.
2. Basis of treatment will be micro watershed and identification, implementation and monitoring will be based upon Remote sensing and GIS Methodology. All works will be geo-referenced with KML file and will entail concurrent monitoring, mid term evaluation and lastly outcome based monitoring. Department of Ecology, Environment and Remote Sensing (DEERS) will be involved in this work and around Rs. 50 lakh will be provided for this purpose.
3. One Central Nursery will be developed by the Kishtwar Forest Division for sustaining afforestation activities during implementation of plan and beyond that also. It can be established at Gulabgarh Nursery area with an inspection hut for frequent surveillance

of forest and biodiversity therein. J&K Forest Research Institute (JKFRI) will conduct research on unique biodiversity of the area particularly high altitude plants by taking resource persons from Universities and reputed agencies if required. At least Rs. One crore may be earmarked for this purpose to JKFRI.

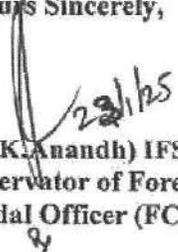
4. Typical farm ponds in treatment areas shall be constructed in consultation with concerned villages and JFMC if any.
5. Entry point activities shall prioritize as below:
  - i. Solar lights including street lights with Roof top (5KW) integrated with Power Grid through Sale & Purchase Model.
  - ii. Construction of Local Paths with proper drainage.
  - iii. Construction/repair of small Bridges and Nallahs.
  - iv. Repair of Kuhls.
  - v. The provisioning for Gas supply to these villages may be taken up in later stages by the user agencies to minimize the tree felling during winters particularly on high slopes, CF Chenab shall make a long term plan and submit it to User agencies for this purpose.
  - vi. Skill Development and Capacity Building for Tourist Guides, Trekking Guides and Bird Watching Guides etc.
  - vii. Livelihood Generation activities.

However, Community Toilet Complex should be avoided as in general, it is not maintained. Hence, small toilet complex for three four families shall be replicated.

6. A multidisciplinary team headed by Conservator of Forest, Chenab Circle will be administering the implementation with DFO Kishtwar, District Soil Conservation Officer from Soil & Water Conservation department, nominee of JKFRI, nominee of DEERS, one nominee each from Departments of Horticulture, PWD and Irrigation as its members. Implementation will be done by using Remote Sensing and GIS (having Geo based mapping including KML file).
7. Eco tourism will be developed by Forest Department after identifying trek routes and temporary facilities to be created for trekkers along the route. Infrastructure

- development shall be focusing on these treks. Being a wilderness area, plan shall be made taking into account the rich biodiversity of the area. Joint Forest Management Committee (JFMC) in the area can take a lead in training of their members in facilitating eco tourism particularly trekking guides, etc.
8. Since the project area is a highly sensitive area from biodiversity point of view, all interventions shall take care of these bio-resources, their maintenance and conservation in long term.
  9. Planting shall be minimal in High Slope Areas.
  10. The areas having more than 60% slope are to be treated first with DRSM and Crates Structures for Soil & Moisture Conservation and then planting has to be done.
  11. Contour Trenches / terracing has to be done wherever feasible.
  12. Small Nallahs are to be treated on priority.
  13. The integrated complex should be built by pulling resources from all CAT plans with Skill Development Centre, IT control Centre (for DEERS), Research facilities for JKFRl and Accommodation for these activities. These activities will be state of Art and User agencies may be requested to support these on long term basis.
  14. Forest Trek Routes are to be constructed and maintained to promote Eco Tourism.
  15. User Agency will provide all necessary assistance for the implementation of CAT plans.

Yours Sincerely,

  
22/1/25  
(Dr. K. Anandh) IFS  
Chief Conservator of Forests,  
& Nodal Officer (FCA)

**Copy to:**

1. Conservator of Forests, Chenab Circle Doda for information and necessary action.
2. Divisional Forest Officer, Kishtwar Forest Division for information and necessary action.
3. Sr. PS to Pr.CCF & HoFF for kind information of the Pr.CCF & HoFF J&K.



Government of Jammu and Kashmir  
**OFFICE OF THE DIVISIONAL FOREST OFFICER**  
**KISHTWAR FOREST DIVISION, KISHTWAR**

Tel./ FAX No.: 01995-295465 e-mail: dfokishtwar1@gmail.com

**The Head of Project**  
**Kwar HEPP.**

**No: KFD/2024-25/Gen./ 4868-72**

**Dt: 21 -03-2025**

**Sub: Demand note/bill on account of Catchment Area Treatment (CAT) Plan of Kwar Hydro Electric Project.**

**Ref: - Chief Conservator of Forests & Nodal Officer, FCA O/o Pr. CCF Govt J&K**  
**Jammu No: PCCF/FCA/4935/7866-70 Dt: 20-03-2025.**

Sir,

In continuation to this office No: KFD/2024-25/Gen/4507-08 Dated: 08-02-2025 & as directed by Nodal Officer (FCA) vide his office No. under reference you are requested to deposit the amount of Rs. **29,30,35,302.00** (Rupees Twenty- Nine Crores, Thirty Lakhs, Thirty- Five Thousand, Three Hundred Two only) on account of Catchment Area Treatment (CAT) Plan of Kwar HEPP in the below bank account at an earliest for further eventual action under an intimation to this office please.

**Name of UT: Jammu & Kashmir**

**IFSC code : UBIN0903710**

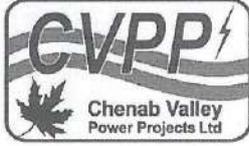
**Account No: 520101263743541**

Yours sincerely,

  
**Vijay Kumar. DCF**  
**Divisional Forest Officer,**  
**Kishtwar.**

- 1. Copy submitted to the Chief Conservator of Forests/Nodal Officer, FCA J&K Jammu for favour of kind information please.*
- 2. Copy submitted to the Chief Conservator of Forests Jammu for favour of kind information please.*
- 3. Copy submitted to the Conservator of Forests Chenab Circle Doda for favour of kind information please.*
- 4. Copy submitted to the Managing Director, Chenab Valley Power Project for favour of kind information and necessary action please.*

  
**Divisional Forest Officer,**  
**Kishtwar.**



## 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-U40105JK2011PTC003321

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

CVPPPL/Kwar HEP/HoP/2024-25/ 515-517

Date: 29/03/25

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

**Sub: - Catchment Area Treatment Plan of Kwar HE Project (540MW)-Regarding release of funds.**

Ref: - Letter No. KFD/2024-25/Gen/4868-72 dated 21.03.2025.

Sir,

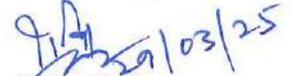
With reference to the above cited subject and letter No. KFD/2024-25/Gen/4868-72 dated 21.03.2025, it is to inform that the requisite funds i.e. Rs.29,30,35,302/-regarding the implementation of CAT Plan of Kwar HE Project have been deposited in the CAMPA account as mentioned in the letter under reference. The NEFT UTR details are as below:

S. No.	UTR No.	Date	Amount (Rs.)
1	SBIN125088517762	29.03.2025	10,00,00,000/-
2	SBIN125088519767	29.03.2025	10,00,00,000/-
3	SBIN125088519766	29.03.2025	9,30,35,302/-

It is further requested that necessary action for implementation of CAT Plan of Kwar HE Project may be kindly be initiated.

Thanking you.

Yours faithfully,

  
(S.K. Giri)

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

**Copy to:**

1. Chief Conservator of Forests/Nodal Officer FCA, O/o PCCF, GoJ&K, Jammu for information please. Email: [pccfjkforest@gmail.com](mailto:pccfjkforest@gmail.com)
2. Conservator of Forests, Chenab Circle, Doda for information please. Email: [cfchenab@gmail.com](mailto:cfchenab@gmail.com)



**OFFICE OF THE DEPUTY COMMISSIONER**  
**New DC Office Complex Mini Secretariat, Kishtwar**

Phone/Fax: 01995-261466/259555, E-mail: crrdcktr@gmail.com, dckishtwar-jk@nic.in



Annexure-IIb

No:- DCK/PS/25/F.NO 07/229

Dt: 26/ 05/ 2025

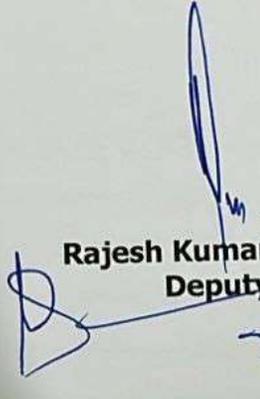
1. CEO Rattle
2. GM Kiru
3. GM Pakal Dul
4. GM Kwar

Sub: - UC regarding R&R plan disbursement

Sir,

On the subject cited above and as requested, the updated UC w.r.t the Rattle, Kiru, Kwar, Pakal Dul and Kwar is enclosed as annexure A, B, C and D respectively.

Yours faithfully

  
**Rajesh Kumar Shavan (JKAS)**  
**Deputy Commisisoner,**  
**Kishtwar**

**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 up to 16.05.2025 **Rs. 329.41 Lakh** (individual benefits = Rs. 194.71 Lakh and LADP=Rs. 134.70 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 16.05.2025	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 @ 1000/ per month x 2 x PAF for 24 months (with additional 10% to female and disabled)	33.26	3.36	3.36	Paid to 07 eligible PAFs	All PAFs paid as per eligibility
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 implementati on stage	
13.	Grants for seeds and fertilizers	18.67	0.00	0.00	PAFs are landless, accordingly not admissible at this stage.	
	<b>Total</b>	<b>1814.29</b>	<b>194.71</b>	<b>194.71</b>		

## 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.

## 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. (**Annexure B**).
- The ITI Kishtwar has started training of 02 No. of identified unemployed persons for undergoing training in Plumber course and 02 No. of identified unemployed persons for undergoing training in Electrician course w.e.f 20.05.2025 and 23.05.2025 respectively. Moreover, training in other trades shall also be started soon (**Annexure B**).
- Training of 40 No. of females in cutting & tailoring work & 20 No. of females in crewel work through Handicrafts Department is likely to start shortly (Orientation Programme started) (**Annexure B**).
- 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 Agency shall be done through a transparent process.
- 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, 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.
- *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 Vishwakama Scheme, 01 beneficiary has been selected for undergoing training in tailoring trade.
- Under Lakhpati Didi, 08 beneficiaries have been selected for undergoing training in trading 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 Geolined 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 16.05.2025	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	0.00	09 months	TS in progress
2.	MS Bhatan upgradation of infrastructure	CEO Kishtwar through PWD, R&B Paddar	23.04.2025	117.79	0.00	18 months	Tender for consultancy
3.	MS Gujjar Basti Padyarna upgradation of infrastructure	CEO Kishtwar through RDD Kishtwar	23.04.2025	61.07	0.00	31.05.2026	Consultant approach for providing structural design by REW Kishtwar
4.	Repair of GMS Nagseni	CEO Kishtwar through RDD Kishtwar	23.04.2025	19.70	0.00	02 months	Tender issued on 24.04.2025
5.	Repair/ Renovation of MS Chingnana including Brestwall	CEO Kishtwar through RDD Kishtwar	23.04.2025	7.10	0.00	02 months	Tender issued on 24.04.2025
6.	Rural Connectivity	RDD Kishtwar	23.04.2025	200.00	0.00	1 year	Out of 29 works, 22 works have been tendered of REW Kishtwar on 25.04.2025, out of 8 works of REW Kishtwar 28.04.2025

7.	Solar Street Lights in the affected area	RDD Kishtwar	23.04.2025	15.00	15.00	31.05.2025	Bid located on GeM on 27.04.2025
8.	Graveyard and cremation grounds	RDD Kishtwar	23.04.2025	15.00	15.00	31.10.2025	Under tendering. Tendered on 28.04.2025.
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	Tender for consultancy
10.	Development of Play ground (Opposite GHSS Nagseni)	DYSSO Kishtwar through RDD Kishtwar	23.04.2025	30.00	0.00	03 months	Tender issued on 24.04.2025
11.	Sports Equipments / Organizing Sports events for recreational infrastructure	DYSSO Kishtwar	23.04.2025	05.00	05.00	1 month	
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	Tender issued on 25.04.2025
13.	Construction of AEO office cum Training cum demonstration centre at Kwar	Chief Agriculture officer Kishtwar	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	
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	Tender under process
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	AAA accorded on 09.05.2025
<b>Total</b>				<b>1348.95</b>	<b>134.70</b>		

**DETAILS OF BENEFICIARIES OPTED FOR SKILL DEVELOPMENT PLAN (ITI)**

S.No	Details of PAFs			Beneficiaries opted for course/ Training/ Skill Dev. Plan	Course Details after counseling at ITI	Buildings available at project site/ rehabilitation site for training	Remarks
	Displaced	Non Displaced	Total				
1.	04	23	27	15	1. Plumber-02	Any Govt. building/Private Building /School building to be identified by the ITI (Nodal Deptt.) in consultation with other Skill Deptt. after having a site visit.	Course started w.e.f 20.05.2025
2.					1. Electrician -02		Course started w.e.f 23.05.2025
3.					1. Draftsman – 01 2. Tailoring -01 3. Nursing -02 4. OT Tech- 01 5. Motor Mechanic - 03 6. Horticulture -02 7. Dental Assistant -01		Shall be started soon.

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

S.No	Skill Programme for PAF's	Details of PAFs			Beneficiaries opted for course/ Training/ Skill Dev. Plan	Course Details	Buildings available at project site/ rehabilitation site for training	Remarks
		Displaced	Non Displaced	Total				
1.	Female (through Handicraft Deptt)	04	23	27	60	1. Cutting & Tailoring – 40 2. Crewel Embroidery -20	03 centres ( Bhagna –A, Dichla, Kwar)	Orientation programme started ,



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

### Minutes of Meeting

Minutes of the review meeting held under the Chairmanship of the Principal Secretary to Government, Department of Disaster Management, Relief, Rehabilitation & Reconstruction on 2<sup>nd</sup> May, 2025 at 11:00 AM in order to review/examine the Rehabilitation and Resettlement (R&R) Plan(s) in respect of the following Hydro Electric Power Projects (HEPPs):

- 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 meeting was attended by the following officers:

1. Administrative Secretary, Department of Skill Development.
2. Managing Director, J&K State Power Development Corporation Limited.
3. Deputy Commissioner, Kishtwar.
4. Secretary in the Department, Department of Rural Development and Panchayati Raj.
5. Special Secretary to the Government, Power Development Department.
6. Director Finance, Department of DMRR&R.
7. Additional Commissioner, Jammu.
8. Chief Engineer, JPDCL, Jammu.
9. Joint Director (Planning), Department of DMRR&R.
10. Deputy Secretary to Government (MR), Department of DMRR&R.
11. Heads of HEPP(s), Kwar, Ratle, Kiru & Pakal Dul.
12. Chief Planning Officer, Kishtwar.
13. Sr. Consultant, Department of DMRR&R.

At the outset, Principal Secretary to Government, Department of DMRR&R welcomed the participants and thereafter, a detailed Power Point Presentation was made by the Deputy Commissioner, Kishtwar, highlighting the latest physical & financial progress made under the R&R Plan in respect of the above HEPPs.

After the detailed deliberations, the following decisions were taken:

1. For professional formulation and management of the Skill Development components of all the 4 HEPPs, the Deputy Commissioner, Kishtwar was directed to formulate one Project Management Unit (PMU), which shall be headed by Deputy Commissioner, Kishtwar & shall include the Heads of the HEPPs, Officers from Skill Development Department, Education Department, Chief Planning Officer (CPO) Kishtwar, Accounts Officer (AO), or any other department as may be desired. NHPC was advised to propose a comprehensive plan for PMU selection on the lines of its experience with NHPC Projects in Assam and Arunachal Pradesh. The PMU shall formulate a Single Comprehensive Skill Development Plan entailing the desired financial aspect for each component proposed. The project proposal from NHPC shall be submitted within 10 days.
2. At the granular level, it was decided that 04 Nodal teams headed by the Deputy Commissioner, Kishtwar with members viz. Principal ITI, CPO Kishtwar, representative from Chenab Valley Power Projects Limited (CVPPL)/Ratle Hydro Power Corporation

- Limited (RHPCL) shall be constituted for carrying out of the Skill mapping and implementation of the Skill Development Plans. For a comprehensive skill mapping of PAFs, it was suggested to use the raw data of Mission YUVA survey, which is available with Secretary, Skill Development. Once the Comprehensive Skill Development Plan is received from the 04 Nodal teams, one each for each HEPPs is prepared by the Nodal teams, the Deputy Commissioner, Kishtwar shall submit the same for seeking approval of the Empowered /Standing committee concerned, as the case may be.
3. It was further decided that in-case the ITI facility is not available near the Project Area, then a Government school may be utilized for imparting skills & accordingly, ITI instructors shall provide training on the identified skills to the trainees.
  4. It was also decided that the identified beneficiaries of PAFs in particular, their spouses and/or their children within the eligible age groups should be convinced/prioritized to undergo appropriate skill development training.
  5. It was also unanimously decided that in case of felt need, the families residing nearby the project site may also be considered for inclusion in skill development activities.
  6. With regard to the Ratle HEPP, it was decided that the Head of Ratle HEPP, in consultation with DC Kishtwar will identify the CSR projects.
  7. It was also decided that after completion of training, suitable kits and credit linkage with banks, if needed should also be provided to the trainees. The entire exercise should be managed by PMU and under the overall supervision of DC Kishtwar.
  8. It was impressed upon DC Kishtwar and Project Heads of 4 HEPPs that the Skill Development Component of the R&R plans must be accorded the highest priority and the activities should be pursued and completed through a Mission Mode approach.

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

  
Sonia Vaid  
Joint Director (P)  
Dated: 06.05.2025

No. DMRRR/ER/59/2021

Copy to the:

1. Managing Director, J&K State Power Development Corporation Limited.
2. Deputy Commissioner, Kishtwar.
3. Secretary in the Department, Department of Rural Development and Panchayati Raj.
4. Special Secretary to the Government, Power Development Department.
5. Director Finance, Department of DMRR&R.
6. Additional Commissioner, Jammu.
7. Chief Engineer, JPDCL, Jammu.
8. Deputy Secretary to Government (MR), Department of DMRR&R.
9. Heads of HEPP(s), Kwar, Ratle, Kiru & Pakal Dul.
10. Chief Planning Officer, Kishtwar.
11. Private Secretary to Chief Secretary J&K for kind information of Chief Secretary.
12. Private Secretary to Principal Secretary to Government, Power Development Department.
13. Private Secretary to Principal Secretary to Government, Department of Disaster Management Relief Rehabilitation and Reconstruction.
14. Private Secretary to Secretary to Government, Skill Development Department.
15. Sr. Consultant, Department of DMRR&R.
16. Office File.



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

## Meeting Notice

Principal Secretary to Government, Department of Disaster Management, Relief, Rehabilitation & Reconstruction has desired to convene a meeting on 13.05.2025 (Tuesday) at 3:00 PM in the Meeting Hall, 5<sup>th</sup> Floor, Civil Secretariat, Srinagar to review/examine the Rehabilitation and Resettlement (R&R) Plan(s) in particular the Action Taken on the decisions taken in the meeting held on 02.05.2025 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. Administrative Secretary, Skill Development Department.
2. Divisional Commissioner, Jammu.
3. Administrative Secretary, Rural Development Department and Panchayati Raj.
4. Managing Director, JKSPDCL, J&K.
5. Deputy Commissioner, Kishtwar [along with Chief Planning Officer], [Through VC]
6. Director Finance, Department of DMRR&R.
7. Representative from the Power Development Department (not below the rank of Additional Secretary).
8. Chief Engineer, JPDCL.
9. Deputy Secretary (MR) to Government, Department of DMRR&R.
10. Head of Project, Kwar, Ratle, Kiru and Pakal Dul Hydro Electric Project.
11. Sr. Consultant, 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](mailto:arvindraina.539@rediffmail.com)) today positively.

The officers stationed at Jammu shall attend the meeting through VC from Meeting Hall, 1<sup>st</sup> Floor, Civil Secretariat, Jammu.

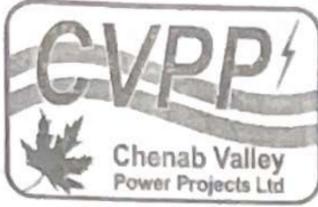
Sonia Vaid  
Joint Director (P)  
Dated: 09.05.2025

No: DMRRR-ER/59/2021

Distribution as above

Copy to the:

1. SSP, Security, Civil Secretariat, Srinagar/ Jammu for information.
2. SIO, NIC for information and necessary action.
3. Private Secretary to Principal Secretary to Government, Power Development Department.
4. Private Secretary to Principal Secretary to Government, Department of DMRR&R.
5. Sh. Abdul Gani (*Nazir*), Department of DMRR&R for information.



**Chenab Valley Power Projects Limited**  
 A Joint Venture of NHPC Limited (A Govt. of India Enterprise) &  
 (JKSPDC (A Govt. of J&K Undertaking)  
 CIN-U40105JK2011PTC003321

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

CVPPPL/Kwar HEP/HoP/2024-25/362

Date: 16/12/24

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

**Sub: - Implementation of Biodiversity Conservation & Management Plan of Kwar HE Project (540MW), Kishtwar, J&K-regarding release of payment.**

Ref: - Letter No. KFD/2023-24/Gen/2922-26 dated 15.10.2024.

Sir,

With reference to the above cited subject, it is to inform that as requested vide letter under reference, an amount of Rs.140.47 lakh has been deposited in the Jammu & Kashmir CAMPA account for the implementation of Biodiversity Conservation & Management Plan of Kwar HE Project vide INB NEFT UTR NO: SBIN324346189958 dated 11.12.2024.

This is for information and further necessary action please.

Thanking you.

Yours faithfully,

*[Signature]*  
 16/12/24

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

**Copy to:**

1. Chief Conservator of Forests/Nodal Officer FCA, O/o PCCF, GoJ&K, Jammu for information please. Email: [pccfjkforest@gmail.com](mailto:pccfjkforest@gmail.com)
2. Conservator of Forests, Chenab Circle, Doda for information please. Email- [cfchenab@gmail.com](mailto:cfchenab@gmail.com)



## TEST REPORT

Lab No.	280225L-ED-005/A		Page No. 1/2	
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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	B/W Crusher Plant Batching Plant (Left Bank)			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	79.4	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m <sup>3</sup>	37.7	Max. 60	IDL/SP/03, Issue No-1
3	SO <sub>2</sub>	µg/m <sup>3</sup>	18.3	Max. 80	IS 5182 (Part 2)
4	NO <sub>2</sub>	µg/m <sup>3</sup>	20.1	Max. 80	IS 5182 (Part 6)
5	NH <sub>3</sub>	µg/m <sup>3</sup>	23.4	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m <sup>3</sup>	22.8	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m <sup>3</sup>	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m <sup>3</sup>	<8	Max. 20	EPA/625/R-96/010a



Authorised signatory



## Idma Laboratories Limited

Idma Corporate Park,

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# Idma Laboratories Limited



## TEST REPORT

Lab No.		280225L-ED-005/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m³	<0.1	Max. 1.0	EPA/625/R-96/010a

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Authorised signatory



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# Idma Laboratories Limited

## TEST REPORT

Lab No.	280225L-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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	B/W Crusher Plant Batching Plant (Left Bank)			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	0.56	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m <sup>3</sup>	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	<0.9	Max. 01	IS 5182 (Part 12)

○ Represents details provided by the customer.

\*\*End of Report\*\*

Reviewed by  
  
Anil Jain  
Asst. Tech. Manager

Authorised signatory  
  
Kartar Singh  
Tech. Mgr.

### Idma Laboratories Limited

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# Idma Laboratories Limited



## TEST REPORT

Lab No.	280225L-ED-004/A		Page No. 1/2	
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 Laboratories			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	DAM Site			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	80.4	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m <sup>3</sup>	39.5	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m <sup>3</sup>	18.4	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m <sup>3</sup>	20.3	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m <sup>3</sup>	24.7	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m <sup>3</sup>	21.2	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m <sup>3</sup>	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m <sup>3</sup>	<8	Max. 20	EPA/625/R-96/010a



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## TEST REPORT

Lab No.		280225L-ED-004/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m <sup>3</sup>	0.13	Max. 1.0	EPA/625/R-96/010a

# Represents details provided by the customer.

\*\*End of Report\*\*

Reviewed by



Authorised signatory



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## TEST REPORT

Lab No.	280225L-ED-004/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 Laboratories		
Work Order No.#	51000002557	Dated	16/08/2024
Date of Receipt of Sample	28/02/2025		
Period of Analysis	28/02/2025 To 04/03/2025		
Sampling Team	Idma Representative Team	Client	PEL
Sampling Location#	DAM Site		
Visual Observation	N/A		
Date of Sampling	24/02/2025		
Date of Reporting	04/03/2025		
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 <sup>3</sup>	0.48	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m <sup>3</sup>	2.07	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	<0.9	Max. 01	IS 5182 (Part 12)

○ Represents details provided by the customer.

\*\*End of Report\*\*



### Idma Laboratories Limited

Idma Corporate Park,  
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# Idma Laboratories Limited



## TEST REPORT

Lab No.	280225L-ED-020	Page No.	1/2
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Surface Water (Down-Stream River)		
Customer's Description of Sample#	Surface Water (Down-Stream River)		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	51000002557	Dated	16/08/2024
Date of Receipt of Sample	28/02/2025		
Period of Analysis	28/02/2025 To 06/03/2025		
Sampling Team Idma	Idma Representative Team	Client	PEL
Sampling Location#	Down Stream Chenab River		
Visual Observation	N/A		
Date of Sampling	25/02/2025		
Date of Reporting	06/03/2025		
Sampling Protocol	IS:17614 (PART-1):2021		
Testing Protocol	-		

## RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.36	IS 3025 (Part 11)
2	Alkalinity as CaCO <sub>3</sub>	mg/L	104	IS 3025 (Part 23)
3	Calcium as Ca	mg/L	22.4	IS 3025 (Part 40)
4	Chloride	mg/L	18.3	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	7.1	IS 3025 (Part 38)
6	Hardness Total (as CaCO <sub>3</sub> )	mg/L	119	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	172	IS 3025 (Part 16)
8	Sulphate as SO <sub>4</sub>	mg/L	6.8	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)

Reviewed by  
*[Signature]*  
Dipati Jain  
Asst. Tech. Manager  
Idma Laboratories Limited  
Panchkula

Authorised Signatory  
*[Signature]*  
Kartar Singh  
Tech. Mgr.  
Idma Laboratories Limited  
Panchkula

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## TEST REPORT

Lab No.	280225L-ED-020			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods
10	Residual Free chlorine	mg/L	<0.1	IS 3025 (Part 26)
11	Magnesium as Mg	mg/L	15.3	IS 3025 (Part 46)
12	Iron as Fe	mg/L	0.001	IS 3025 (Part 53)
13	Lead as Pb	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 47)
14	Manganese as Mn	mg/L	BLQ (LOQ-0.0005)	IS 3025 (Part 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	Faecal Coliform	MPN/100ml	74	IS 1622:1981

Opinion :

# Represents details provided by the customer.

\*\*End of Report\*\*

Reviewed by



Authorised signatory



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# Idma Laboratories Limited



## TEST REPORT

ULR : TC820725700005716F

Lab No.	280225L-FD-008	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 (Raw Water)	
Customer's Description of Sample#	Drinking Water (Raw Water)	
Quantity#	5 Ltr.	
Packing, Markings, Seal & Quantity#	Plastic Can, Location-Water Tank TRT Tunnel Portal	
Mode of Collection of Sample	Sample Collected By Idma Lab Person	
Work Order No.#	5100002557	Dated 16/08/2024
Date of Receipt of Sample	28/02/2025	
Period of Analysis	28/02/2025 To 06/03/2025	
Visual Observation	N/A	
Date of Reporting	06/03/2025	
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	-	7.53	6.5-8.5	No Relaxation	IS 3025 (Part 11) :2022
4	Total Alkalinity (as CaCO3)	mg/L	91.56	Max. 200	Max. 600	IS 3025 (Part 23) :2023
5	Boron	mg/L	0.059	Max. 0.5	Max. 2.4	IS 3025 (Part 57) : 2021
6	Calcium (as Ca)	mg/L	37.80	Max. 75	Max. 200	IS 3025 (Part 40) : 2024
7	Chloride (as Cl)	mg/L	20.39	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	142.8	Max. 200	Max. 600	IS 3025 (Part 21) : 2009

Reviewed by  
  
 Ranjna  
 Tech. Mgr.  
 Idma Laboratories Ltd.  
 Panchkula

Authorised Signatory  
  
 Dr. Indra Ra  
 V.P Tech-IV  
 Idma Laboratories Ltd.  
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# Idma Laboratories Limited



TC-8207

## TEST REPORT

ULR : TC820725700005716F

Lab No.		280225L-FD-008				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	212.0	Max. 500	Max. 2000	IS 3025 (Part 16) : 2023
12	Sulphate (as SO <sub>4</sub> )	mg/L	8.6	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	0.001	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	BLQ (LOQ-0.0005)	Max. 5	Max. 15	IS 3025 (Part 49) : 1994
22	Aluminum (as Al)	mg/L	BLQ (LOQ-0.0005)	Max. 0.03	Max. 0.2	IS 3025 (Part 55) : 2003
23	Selenium (as Se)	mg/L	BLQ (LOQ-0.0005)	Max. 0.01	No Relaxation	IS 3025 (Part 56) : 2003 or IS:15303:2003
24	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	Max. 0.001	No Relaxation	IS 3025 (Part 48) :1994

Reviewed by



Authorised signatory



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## TEST REPORT

ULR : TC820725700005716F

Lab No.		280225L-FD-008				Page No. 3/3
S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
25			(LOQ-0.0005 )			
26	Magnesium (as Mg)	mg/L	11.74	Max. 30	Max. 100	IS 3025 (Part 46) :2023
27	Sodium as Na	mg/L	1.6	-	-	IS 3025 (Part-45): 2024
28	Potassium as K	mg/L	1.2	-	-	IS 3025 (Part-45): 2024
29	Total Arsenic (as As)	mg/L	BLQ (LOQ-0.0005 )	Max. 0.01	No Relaxation	IS 3025 (Part 37) :2022
30	Total Chromium (as Cr)	mg/L	BLQ (LOQ-0.0005 )	Max. 0.05	No Relaxation	IS 3025 (Part 52) : 2003
	Biological Testing (Water)	--	-	--	--	--
31	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
32	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\*\*



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# Idma Laboratories Limited



## TEST REPORT

Page No. 1/2

Lab No.	280225L-ED-001/A		Page No. 1/2	
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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Mat Tunnel			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	79.2	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m <sup>3</sup>	38.7	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m <sup>3</sup>	18.4	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m <sup>3</sup>	19.2	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m <sup>3</sup>	23.7	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m <sup>3</sup>	21.3	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m <sup>3</sup>	<8	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m <sup>3</sup>	<1	Max. 20	EPA/625/R-96/010a



Authorised signatory



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## TEST REPORT

Lab No.		280225L-ED-001/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m <sup>3</sup>	0.13	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.	280225L-ED-001/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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Mat Tunnel			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	0.51	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m <sup>3</sup>	2.08	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	<2	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.	280225L-ED-006/A		Page No.	1/2
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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Near Officer Mess			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	79.7	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m <sup>3</sup>	38.4	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m <sup>3</sup>	18.5	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m <sup>3</sup>	20.1	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m <sup>3</sup>	23.5	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m <sup>3</sup>	21.0	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m <sup>3</sup>	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m <sup>3</sup>	<8	Max. 20	EPA/625/R-96/010a



Authorised signatory



### 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

Lab No.		280225L-ED-006/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m <sup>3</sup>	<0.1	Max. 1.0	EPA/625/R-96/010a

# Represents details provided by the customer.

\*\*End of Report\*\*



Reviewed by

Dipit Jain  
Asst. Tech. Manager

Authorised signatory



Kartar Singh  
Tech. Myr.

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# Idma Laboratories Limited

## TEST REPORT

Lab No.	280225L-ED-006/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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Near Officer Mess			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	0.48	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m <sup>3</sup>	2.11	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	<0.9	Max. 01	IS 5182 (Part 12)

○ Represents details provided by the customer.

\*\*End of Report\*\*



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# Idma Laboratories Limited



TC-8207

## TEST REPORT

Lab No.	280225L-ED-002/A		Page No. 1/2	
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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Surge Adit Tunnel			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	79.4	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m <sup>3</sup>	37.3	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m <sup>3</sup>	18.6	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m <sup>3</sup>	21.5	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m <sup>3</sup>	23.4	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m <sup>3</sup>	20.2	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m <sup>3</sup>	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m <sup>3</sup>	<8	Max. 20	EPA/625/R-96/010a



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## TEST REPORT

Lab No.		280225L-ED-002/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m <sup>3</sup>	0.14	Max. 1.0	EPA/625/R-96/010a

# Represents details provided by the customer.

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# Idma Laboratories Limited

## TEST REPORT

Lab No.	280225L-ED-002/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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Surge Adit Tunnel			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	0.46	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m <sup>3</sup>	<2	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	<0.9	Max. 01	IS 5182 (Part 12)

☉ Represents details provided by the customer.

\*\*End of Report\*\*



Authorised signatory



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## TEST REPORT

Lab No.	280225L-ED-003/A		Page No. 1/2	
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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	TRT Tunnel Portal			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	80.5	Max. 100	IS 5182 (Part 23)
2	PM2.5	µg/m <sup>3</sup>	39.7	Max. 60	IDL/SP/03, Issue No-1
3	SO2	µg/m <sup>3</sup>	15.3	Max. 80	IS 5182 (Part 2)
4	NO2	µg/m <sup>3</sup>	16.4	Max. 80	IS 5182 (Part 6)
5	NH3	µg/m <sup>3</sup>	22.7	Max. 400	IS 5182 (Part-25)
6	Ozone	µg/m <sup>3</sup>	20.8	Max. 100	IS 5182 (Part 9)
7	Arsenic	ng/m <sup>3</sup>	<1	Max. 06	EPA/625/R-96/010a
8	Nickel	ng/m <sup>3</sup>	<8	Max. 20	EPA/625/R-96/010a



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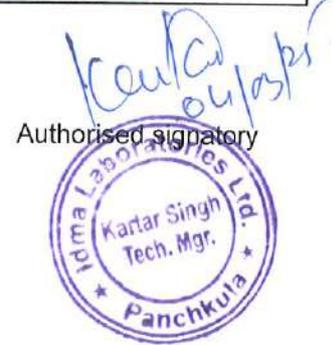


## TEST REPORT

Lab No.		280225L-ED-003/A			Page No. 2/2
S.No.	Test Parameter	Units	Results	Specifications	Test Method
9	Lead	µg/m <sup>3</sup>	0.11	Max. 1.0	EPA/625/R-96/010a

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# Idma Laboratories Limited

## TEST REPORT

Lab No.	280225L-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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	TRT Tunnel Portal			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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 <sup>3</sup>	0.43	Max. 02	IS 5182 (Part 10)
2	Benzene	µg/m <sup>3</sup>	2.37	Max. 05	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	2.13	Max. 01	IS 5182 (Part 12)

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



Authorised signatory



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# Idma Laboratories Limited



## TEST REPORT

Lab No.	280225L-ED-019	Page No. 1/2	
Customer#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir		
Type of Sample#	Surface Water (Up-Stream River)		
Customer's Description of Sample#	Surface Water (Up-Stream River)		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	51000002557	Dated	16/08/2024
Date of Receipt of Sample	28/02/2025		
Period of Analysis	28/02/2025 To 06/03/2025		
Sampling Team Idma	Idma Representative Team	Client	PEL
Sampling Location#	Up-Stream Chenab River		
Visual Observation	N/A		
Date of Sampling	25/02/2025		
Date of Reporting	06/03/2025		
Sampling Protocol	IS:17614 (PART-1):2021		
Testing Protocol	-		

## RESULTS

S.No.	Test Parameter	Units	Results	Test Methods
	Chemical Testing (Water)	-	-	-
1	pH	-	7.24	IS 3025 (Part 11)
2	Alkalinity as CaCO <sub>3</sub>	mg/L	102	IS 3025 (Part 23)
3	Calcium as Ca	mg/L	21.3	IS 3025 (Part 40)
4	Chloride	mg/L	16.5	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	6.7	IS 3025 (Part 38)
6	Hardness Total (as CaCO <sub>3</sub> )	mg/L	114	IS 3025 (Part 21)
7	Total Dissolved Solids	mg/L	163	IS 3025 (Part 16)
8	Sulphate as SO <sub>4</sub>	mg/L	6.4	IS 3025 (Part 24)
9	Turbidity	NTU	<1	IS 3025 (Part 10)

Reviewed by  
*[Signature]*  
Dipti Jain  
Asst. Tech. Manager  
Idma Laboratories Ltd.  
Panchkula

Authorised signatory  
*[Signature]*  
Tech. Mgr.  
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## TEST REPORT

Lab No.		280225L-ED-019			Page No. 2/2
S.No.	Test Parameter	Units	Results	Test Methods	
10	Residual Free chlorine	mg/L	<0.1	IS 3025 (Part 26)	
11	Magnesium as Mg	mg/L	14.8	IS 3025 (Part 46)	
12	Iron as Fe	mg/L	0.002	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	Faecal Coliform	MPN/100ml	109	IS 1622:1981	

Opinion :

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## TEST REPORT

Lab No.	280225L-ED-012	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 (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	51000002557	Dated	16/08/2024
Date of Receipt of Sample	28/02/2025		
Period of Analysis	28/02/2025 To 04/03/2025		
Sampling Team	Idma Representative Team	Client	PEL
Sampling Location#	TRT Tunnel Portal Area		
Visual Observation	N/A		
Date of Sampling	24/02/2025		
Date of Reporting	04/03/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

## RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	71.3	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	67.2	Max 70	CPCB PROTOCOL July 2015.

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## TEST REPORT

Lab No.	280225L-ED-013	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 (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	51000002557	Dated	16/08/2024
Date of Receipt of Sample	28/02/2025		
Period of Analysis	28/02/2025 To 04/03/2025		
Sampling Team	Idma Representative Team	Client	PEL
Sampling Location#	DAM Site Area		
Visual Observation	N/A		
Date of Sampling	25/02/2025		
Date of Reporting	04/03/2025		
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)	69.7	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	62.4	Max 70	CPCB PROTOCOL July 2015.

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# Idma Laboratories Limited



TC-8207

## TEST REPORT

Lab No.	280225L-ED-014	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 (Ambient)		
Customer's Description of Sample#	Noise Level (Ambient)		
Quantity#	01 No.		
Packing, Markings#	Instrument at Site.		
Mode of Collection of Sample	Sampling by Laboratories		
Work Order No.#	51000002557	Dated	16/08/2024
Date of Receipt of Sample	28/02/2025		
Period of Analysis	28/02/2025 To 04/03/2025		
Sampling Team	Idma Representative Team	Client	PEL
Sampling Location#	B/W Crusher Plant & Batching Plant (Left Bank)		
Visual Observation	N/A		
Date of Sampling	25/02/2025		
Date of Reporting	04/03/2025		
Sampling Protocol	CPCB PROTOCOL:2015		
Testing Protocol	CPCB		

## RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	71.3	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	65.5	Max 70	CPCB PROTOCOL July 2015.

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# Idma Laboratories Limited



TC-8207

## TEST REPORT

Lab No.	280225L-ED-015		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 (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Near Officer Mess Area			
Visual Observation	N/A			
Date of Sampling	25/02/2025			
Date of Reporting	04/03/2025			
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)	60.5	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	56.3	Max 70	CPCB PROTOCOL July 2015.

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# Idma Laboratories Limited



TC-8207

## TEST REPORT

Lab No.	280225L-ED-011		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 (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Surge Tunnel Portal Area			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
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)	72.5	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	67.1	Max 70	CPCB PROTOCOL July 2015.

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TC-8207

## TEST REPORT

Lab No.	280225L-ED-010		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 (Ambient)			
Customer's Description of Sample#	Noise Level (Ambient)			
Quantity#	01 No.			
Packing, Markings#	Instrument at Site.			
Mode of Collection of Sample	Sampling by Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	Mat Tunnel Portal Area			
Visual Observation	N/A			
Date of Sampling	24/02/2025			
Date of Reporting	04/03/2025			
Sampling Protocol	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

## RESULTS

S.No.	Test Parameter	Units	Results	Limits	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	70.3	Max 75	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	65.4	Max 70	CPCB PROTOCOL July 2015.

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## TEST REPORT

Lab No.	280225L-ED-021		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 Laboratories			
Work Order No.#	5100002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	DG Noise Cat 500 KVA, Sr. No. A0300049			
Visual Observation	N/A			
Date of Sampling	25/02/2025			
Date of Reporting	04/03/2025			
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)	101.8	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.5	--	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.	280225L-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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	DG NOISE Cat 600 KVA, Sr. No.A0300050			
Visual Observation	N/A			
Date of Sampling	25/02/2025			
Date of Reporting	04/03/2025			
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)	70.1	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)	77.1	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.4	Min. 25	CPCB PROTOCOL JULY 2015

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## TEST REPORT

Lab No.	280225L-ED-023		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 Laboratories			
Work Order No.#	51000002557	Dated	16/08/2024	
Date of Receipt of Sample	28/02/2025			
Period of Analysis	28/02/2025 To 04/03/2025			
Sampling Team	Idma Representative Team	Client	PEL	
Sampling Location#	DG Noise Cat 500 KVA, Sr. No.A0300041			
Visual Observation	N/A			
Date of Sampling	25/02/2025			
Date of Reporting	04/03/2025			
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)	69.6	Max. 75.0	CPCB PROTOCOL JULY 2015
2	0.5 m surface acoustic enclosure when door are open	dB (A)	101.7	--	CPCB PROTOCOL JULY 2015
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	76.4	--	CPCB PROTOCOL JULY 2015
4	Insertion Loss	dB (A)	25.3	Min. 25	CPCB PROTOCOL JULY 2015

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