

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

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

CVPP/KWAR/HoP/2026-27/108

Date: 29/05/2026

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

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

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

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

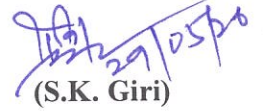
Sir,

With reference to the above cited subject, please find enclosed the Six-Monthly Progress Report on Environmental safeguards in Compliance to the Environment Clearance letter under reference, in respect of Kwar HE Project (CVPPPL), for the period ending March, 2026.

Thanking you.

Encl: As Above (Annexure-I).

Yours sincerely,


(S.K. Giri)

General Manager(I/c)-HoP

Kwar H.E Project

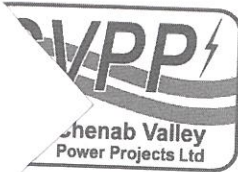
Email: hopkwar@cvppindia.com

Copy to:

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

N.O.O.

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



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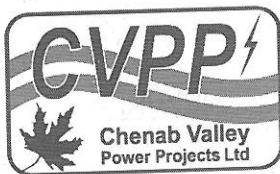
website: www.cvppindia.com

Six Monthly Environment Clearance Compliance Report (ECCR) **for Kwar HE Project (540MW), in District Kishtwar, J&K** **(March, 2026)**

ANNEXURE-I

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

Corporate Office: Jal Shakti Bhawan, Opp. Saraswati Dham, Rail Head Complex, Jammu -180012 (J&K)
Fax: 0191-2475515, 2479835



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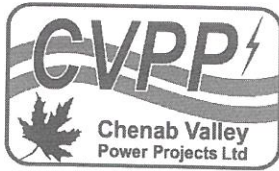
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		3. Fisheries Development Plan 4. Solid Waste Management Plan 5. Public Health Delivery System 6. Energy Conservation Measures 7. Muck Disposal Plan 8. Landscaping & restoration Plan 9. Air & Water Management Plan 10. Reservoir Rim treatment Plan 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&R benefits:</i> Displaced PAFs : 04 Non-Displaced PAFs : 23 Total PAFs : 27 Scheduled Tribe : 08 families
9	Financial Details (a) Project cost as originally planned and subsequent revised estimates and the year of price reference (b) Actual expenditure incurred on the Project so far (c) Allocation made for Environment Management Plan (d) Actual expenditure incurred on EMP so far	Sanctioned cost as per CCEA Clearance 4526.12 Cr. (Sept 2020 PL) Actual expenditure: 1677.05 Cr. (till March 2026) Allocations for EMP: 137.35 Cr. (approved by MoEF&CC) Actual expenditure incurred on EMP:



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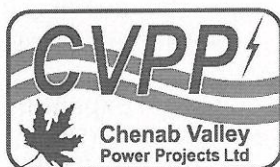
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S.No.	Component	Expenditure (Rs. in Lakh)
i.	Payment released on account of Forest Clearance (including NPV/Compensatory Afforestation Plan/Compensation for trees)	383.24
	Payment released towards extraction of Forest Trees	4.83
ii.	Implementation of R&R Plan (Deposited with Commissioner R&R)	1500.00
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*	203.58
viii.	Energy Conservation Measures*	1030.56
ix.	Muck Disposal Plan	1153.05
x.	Air & Water Management Plan* #	7.84
xi.	Solid Waste Management Plan*	292.85
	Total	8445.36

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

Jaspreet Singh



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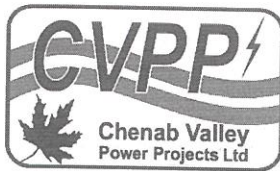
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10	Forest Land Requirements (a) Status of approval diversion of Forest Land for non-forestry use (b) The status of clear felling of trees in Forest Land	(a) Forest clearance for diversion of 29.75 ha forest land from GoJK obtained vide Order no. 268- FST of 2014 dated 08.08.2014. (b) Forest clearance for diversion of 2.4 ha forest land from Integrated Regional Office, Jammu (MOEF&CC) obtained vide Letter No.9-JKB-052/2021-Jammu dated: 25/01/2022 (c) Tree felling at work sites has been completed by J&K Forest Corporation. The diverted forest land has been taken over from Forest Department.
11	Status of Construction (a) Date of commencement (actual and/or planned) (b) Date of completion (actual and/or planned)	(a) Date of commencement: Work Awarded vide LOA dated 11.05.2022 (b) Date of completion (planned): 54 months
12	Reasons for the delay (If the Project is yet to be started)	Work Awarded vide LOA dated 11.05.2022
13	Details of Site visits (a) By Monitoring Committee (b) By Regional Office	The MDMC meeting was held on 19.02.2026. The Minutes of Meeting are enclosed as Annexure-Ia. Site visit conducted by Deputy Director, Sub Regional Office, Jammu on 11.05.2024. Monitoring Report dated 24.09.2024 was forwarded by Sub Regional Office to MoEF&CC and thereafter a Show Cause Notice dated 05.11.2024 was issued by MoEF&CC. Point-wise reply to Show Cause Notice stands submitted to MoEF&CC vide letter dated 25.11.2024. Site visit was again Conducted by Dy. Director, Sub-Regional Office, Jammu on 11.07.2025 and the review report thereof has been submitted to MOEF&CC on 22.08.2025. A personal hearing was also held by Joint Secretary, MOEF&CC on 07.01.2026. The actions as desired in the minutes of personal hearing are being undertaken to ensure the compliances.
14.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	Details are enclosed as Annexure-II .



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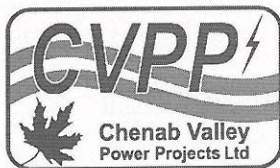
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ANNEXURE-II

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

S. No.	Conditions	Compliance Status
Specific Conditions		
i	As and when the Cumulative Impact Assessment & Carrying Capacity Studies (CIA & CCS) of the Chenab River Basin of J&K is carried out, the recommendation therein for Kwar HEP shall be followed by PP.	Shall be complied.
ii	The Catchment Area Treatment Plan (CAT) as has been proposed in the EMP shall be strictly implemented in consultation with the J&K State Forest Department. Major works of CAT shall be completed before impounding of reservoir. The CAT plan will be implemented in 5 years' time and the maintenance work shall be undertaken for next 5 years. Financial allocation of Rs. 2930.56 lakhs for CAT plan implementation shall be fully utilized and not be diverted for any other purpose. As per CAT plan, the area to be treated is 2211 ha.	Being Complied As per the instruction of PCCF (HOFF), GoJK, CAT Plan was got revised (through a NABET accredited consultant) in consultation with Forest Department and Soil & Water Conservation Department. The revised CAT Plan was approved by PCCF (HoFF), J&K Forest Department vide Approval Letter dated 23.01.2025. Requisition for deposition of approved amount of Rs. 2930.35 lakh was received vide DFO Kishtwar letter dated 21.03.2025. The requisitioned funds stand deposited into CAMPA Account on 29.03.2025. The plan is being implemented by Kishtwar Forest Division. As per DFO, Kishtwar letter dated 22.05.2026 an outlay of Rs.244.40 lakh has been approved for the year 2025-26 and expenditure of Rs.3.48 lakh was incurred till 31.03.2026. (Annexure-IIa)
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 has been made as per the norms of the National Rehabilitation & Resettlement	Being Complied. GoJK has approved the R&R plan of the project vide Govt. Order No.-44- DMRR&R of 2018 dated 03.08.2018. DC Kishtwar has been appointed as Commissioner R&R vide GoJK Order dated 03.03.2020. Approved cost of R&R plan is Rs. 35.83 Crore including the cost of Rs. 13.54 Crore towards local area development plan

Joseph



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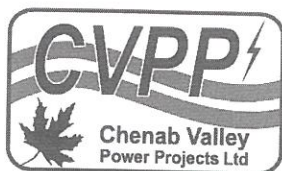
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	Policy (NRRP), 2007 and guidelines of J&K State Government. The project affected population should be resettled and rehabilitated as per the Jammu & Kashmir state R&R policy. All R&R issues shall be completed before commissioning of the project.	(LADP). Implementation of Rehabilitation and Resettlement (R&R) Plan: As per the requisition received, an amount of Rs.15.00 Crore has been released in favour of DC, Kishtwar for implementation of R&R Plan. Till date an amount of Rs.194.71 lakh has been released to the eligible PAFs as individual benefits. Local Area Development Plan (LADP): The works to be executed under LADP have been approved by Empowered Committee of GoJK. Till date an expenditure of Rs.214.03576 lakh has been incurred by Commissioner R&R on LADP works. The details as received from Commissioner R&R/Deputy Commissioner Kishtwar are enclosed. (Annexure-IIb)
iv	Implementation of R&R plan is to be closely monitored by the state Authority and is to be ensured that all Project Affected Families (PAF's) shall get adequate & timely compensation.	Being Complied Review of R&R Plan and its components: GoJK constituted the Empowered Committee under the Chairmanship of Chief Secretary, GoJK to finalize and monitor the implementation of R&R plan of Kwar HEP vide G.O. No. 1281-GAD of 2017 dated 09.10.2017. The implementation of R&R Plan is being reviewed from time to time by DMRR&R Department, GoJK as well as by the Chief Secretary GoJK and the Empowered Committee so as to expedite the implementation of approved R&R Plan. As informed by Commissioner R&R, the admissible individual R&R benefits stand disbursed to the eligible PAFs. Till date an amount of Rs.194.71 lakh stands disbursed. Till date an expenditure of Rs.214.03576 lakh has been incurred by Commissioner R&R on LADP works. (Annexure-IIb)
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.	A monitoring committee for R&R has been constituted by Commissioner R&R vide order dated 02.02.2026 (Annexure-IIc). A meeting of the committee was held on 10.04.2026 and the minutes of meeting are yet to be issued by the Commissioner R&R.

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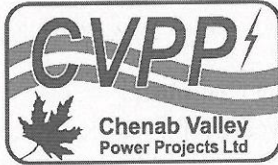
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vi	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	Being Complied. R&R Plan approved by the GoJK is being implemented. An amount of Rs.15.00 Crore has been released in favour of Commissioner R&R i.e. DC Kishtwar for implementation of R&R Plan. R&R Plan has been prepared by District Administration duly considering the aspirations and demands of local people. The R&R Plan includes an amount of Rs.13.54 Crore earmarked for development of infrastructure and social & community development activities under Local Area Development Plan (LADP). Accordingly, the Local Area Development Plan was formulated by DC Kishtwar (i.e. Commissioner R&R) in consultation with all stakeholders and the same was subsequently approved by the Empowered Committee. An expenditure of Rs.214.03576 lakh has been incurred till date on approved infrastructure works. Out of total 16 Nos. of works, 02 works have been completed and 14 works are at different stages of execution. (Annexure-IIb)
vii	A minimum environmental flow of 16.49 cumec during lean season (December to March), 74.09 cumec during monsoon season (June to September) and 16.79 cumec during remaining four months (October-November & April-May) shall have to be maintained. On line monitoring system for the e-flow releases measurement shall be installed and data be displayed at appropriate site for civil society and stake holders. Six monthly results shall be submitted to the regional office of the Ministry.	Shall be complied The release of e-flows specified in the EC letter for different seasons post project commissioning shall be fully complied. Online monitoring system for flow measurement shall be installed and further, six monthly results/ data shall be submitted to Regional Office of the Ministry.
viii	Dumping and consolidation/compaction of the muck shall be carried out only in the designated muck dumping sites as submitted in the EIA/EMP report. As per the proposed muck disposal plan given in EMP, out of the 38.73 lakh m ³ of muck to be generated, 8.13 lakh m ³ will be reused in various project components and remaining 30.60 lakh m ³ will be dumped at 3 designated disposal sites in an	Being Complied. The suitable portion of excavated muck is utilized by the contractor in construction activities, construction of retaining structures, roads, developing job facility areas etc. The disposal of remaining muck is done at the designated dumping sites only. The



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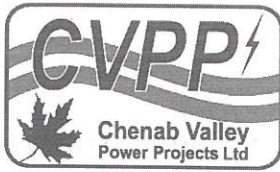
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	allocated area of 34.35 ha. The dumping sites shall be more than 30 m away from the HFL of the river and the toe walls for muck disposal sites shall be constructed at least 30 m away from HFL of River. Allocated grant of Rs. 3,419.30 lakhs shall be fully utilized and not to be diverted for any other purpose.	dumping sites have been protected by providing adequate toe walls to avoid spillage of muck.
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.	Being Complied 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. B) Requisite amount of Rs 37.977 Lakh was deposited with J&K CAMPA for diversion of 2.4 Ha of Forest land including Rs 9.10958 lakhs towards compensatory afforestation The plan has been implemented by J&K Forest Department as per Utilization Certificate issued by DFO Kishtwar vide letter dated 04.06.2024.
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 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.	Shall be complied. Presently the project construction works are in full swing and sites/locations are not available for green belt development. The green belt development works and restoration works for quarry sites etc. shall be undertaken in consultation with J&K Forest Department as per site availability.
xi	Solid waste Management Plan as proposed in the EMP report shall be implemented, the plastic waste generated should be disposed of by recycling and not by land filling. Allocated grant of Rs 221.60 lakh shall be fully utilized and not to be diverted for any other purposed.	Being Complied. Sufficient number of waste bins have already been provided at several locations in residential areas, office areas and project area for collection and segregation of solid waste. The organic waste (primarily food waste from common mess facilities) is being managed through composting. The paper/plastic waste/metal waste is being recycled by the contractor through scrap dealers.

Day 1/2



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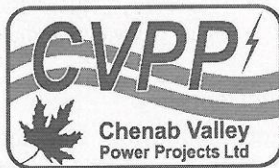
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xii	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 140.48 lakhs for this purpose shall be fully utilized and shall not be diverted for any other 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.	Being Complied DFO, Kishtwar Forest Division vide letter dated 15.10.2024 raised the demand of funds against Biodiversity Conservation & Management Plan. The funds (Rs.140.47 lakh) as earmarked in the EMP have been deposited by the Project in J&K CAMPA account on 11.12.2024. The plan is being implemented by Kishtwar Forest Division. As per DFO, Kishtwar letter dated 22.05.2026 an outlay of Rs.21.52 lakh has been approved for the year 2025-26. (Annexure-IIa) 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 released by the Project on 09.07.2024. As per the progress report submitted by Assistant Director, Fisheries, Kishtwar, land required for the establishment of Fish Farm has been acquired. Administrative approval for Rs.793.68 lakh has been accorded and DPR has been submitted to Executive Engineer PWD(R&B), Paddar. The work of consultancy for structural & architectural designs for establishment of the Fish Farm has been completed. (Annexure-IIId).



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xiv	Skill mapping of the area to be got conducted, mentioning the skills inherent of the local people, and based on the skill mapping, the training to the youths be incorporated for their appropriate engagement in the Project.	Being Complied. The skill mapping and development plan was got formulated through University of Jammu and the final report was submitted to Dy. Commissioner Kishtwar who is also Commissioner R&R. The plan is being implemented as a component of R&R Plan through Commissioner R&R i.e. Dy. Commissioner, Kishtwar. An amount of Rs.4.15 Crore is available in the approved R&R plan for implementation of Skill Development Plan. As per the latest information available from Commissioner R&R/Deputy Commissioner, Kishtwar a total 75 persons (11 Males and 64 Females) from Project Affected Families of Kwar HEP have given their consent for various training programmes and have completed or are undergoing training in various courses. The 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 st meeting held on 9 th December 2013 and requisite payment in this regard has also been deposited with the Forest Department. Necessary forest clearance required for the project shall be obtain and informed this Ministry accordingly.	Complied a) Forest Clearance for diversion of 29.75 Ha Forest land was accorded vide Govt. order no: 268-FST of 2014 dated 08.08.2014. b) Forest clearance for diversion of 2.4 Ha Forest land from Integrated Regional Office, Jammu (MOEF&CC) obtained vide No 9-JKB-052/2021-Jammu dt 25.01.2022.
xvii	Any other clearances required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable.	Shall be complied as and when required.

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CHENAB VALLEY POWER PROJECTS LIMITED

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

JKSPDC (A Govt. of J&K Undertaking)

CIN-U40105JK2011GOI003321

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

Fax no. 01995-259230

e-mail: hopkwar@cvppindia.com

website: www.cvppindia.com

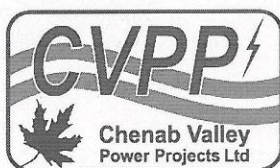
General Conditions

i	Adequate arrangements for ensuring availability of fuel like kerosene/LPG shall be provided at the project cost for the labourers to be engaged during construction work so that Indiscriminate felling of trees is prevented. The energy conservation measures as provided in EMP shall be fully implemented.	Being complied The same has been included in the contract agreement and is being complied by the contractor. Mess facilities have also been provided by the major contractor to the labourers engaged.
ii	The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit. Periodic health check-up and medical facilities shall also be provided to the labourers during construction period.	Being complied The same has been included in the contract agreement and is being complied by the Contractor. 02 Nos. Ambulances and a dispensary have been provided by the Major Contractor at Project Site. Further Project has provided a state-of-the-art Phacoemulsification (Phaco) Unit (enabling stitch-less and painless cataract surgery), worth Rs.49.50 lakh to District Hospital Kishtwar as a part of Public Health Delivery System plan under EMP.
iii	Recreational facilities shall be provided to the labourers.	Being complied The same has been included in contract agreement and is being complied by the Contractor. The common Gym, Indoor Games and Television facilities have been provided by the contractor at site.
iv	Water sprinkling arrangements shall be made to suppress fugitive emissions/ dust.	Being Complied The arrangements for sprinkling of water to control dust emission are in place. Adequate number of water tankers are deployed by Contractor for regular water sprinkling in project area and on project roads.
v	Potable drinking water and proper sanitary facilities shall be provided for the labour force. Proper disposal facilities for solid waste are to be ensured.	Being Complied The same has been included in the contract agreement and is being complied by the Contractor. For disposal of solid waste, sufficient number of waste bins have already been provided at several locations in residential areas, office areas and project area for collection and segregation of solid waste. The organic waste is disposed off into composting pit. The paper/plastic waste/metal waste is being recycled by the

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

Fax: 0191-2475515, 2479835

Jan 18



CHENAB VALLEY POWER PROJECTS LIMITED

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

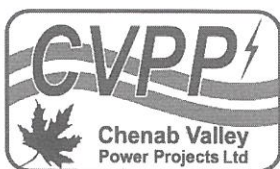
Fax no. 01995-259230

e-mail: hopkwar@cvppindia.com

website: www.cvppindia.com

		contractor through scrap dealers.
vi	Restoration of construction area including muck dumping sites shall be ensured by leveling, filling up of borrow pits, landscaping, etc. The area should be properly treated with plantation.	Shall be complied.
vii	Environmental parameters shall be monitored and "Six monthly monitoring reports" shall be submitted to the Ministry of Environment, Forest & Climate change, New Delhi including its regional office for their review.	Being Complied. The environmental parameters are being monitored periodically. (Reports Enclosed-Annexure-II-e)
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 Management Plan. However, the three Early Flood Warning System (EFWS) have been installed upstream of the project at Village Layee, Gulabgarh and village Massu as an advance measure to monitor the river flow levels. These systems provide realtime online information regarding the water levels and water discharge in the river. Further 2 Nos. V-SAT communication systems have also been installed one at Project Site and one at Kishtwar to establish a communication link in case of an emergency.
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	Shall be complied

Copy to



CHENAB VALLEY POWER PROJECTS LIMITED

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

JKSPDC (A Govt. of J&K Undertaking)

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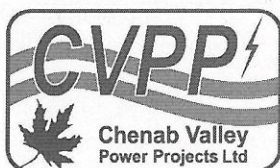
KWAR H.E. PROJECT (540MW), Chenab Nagar-II, Distt. Kishtwar (J&K)-182206.

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	from concerned Regional Office of the Ministry who would be monitoring the implementation of environmental safeguards and to undertake inspection.	
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 approval, if required, shall be taken from the Ministry.	There is no change in scope of the Project. Shall be complied if required.
12.	Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986 to ensure effective implementation of the suggested measures in a time bound and satisfactory manner.	Noted
13.	This clearance letter is valid for a period of 10 years from the date of issue of this letter for completion of the project.	Noted
14.	A copy of clearance letter shall be marked to concerned Panchayat/Zila Parishad/Municipal Corporation, Urban Local Body and local NGO, if any, from whom any suggestion/representations were received while processing the proposal. The clearance letter shall also be put on website by the project proponent.	Complied.
16.	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in vernacular language of the locality concerned informing that the	Complied. Advertisement was published in two newspapers viz: 1. Daily Excelsior (English) dated



CHENAB VALLEY POWER PROJECTS LIMITED

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

CIN-U40105JK2011GOI003321

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

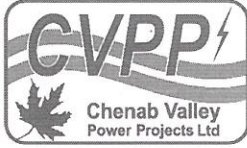
Fax no. 01995-259230

e-mail: hopkwar@cvppindia.com

website: www.cvppindia.com

	project has been accorded environmental clearance and copies of the clearance letters are available with State Pollution Control Board/Committee and may also be seen at website of MoEF&CC. http://www.moef.nic.in	13.04.2017and 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.
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 & Kashmir. The project proponent shall organize six monthly meetings of the Committee and submit the monitoring report to the ministry. The MDC will monitor' specifically the stability and effectiveness of muck dumping sites during all visits and monitor it & suggest remedial measures, if so required.	Approval for constitution of MDC was accorded by MoEF&CC vide letter No. J-12011/4/2010-IA-1 dated 09.07.2018 with amendment issued vide No. J-12011/04/2010-IA-1(R) dated 02.05.2019. A meeting of Multi-Disciplinary Committee was held on 19.02.2026. The minutes of meeting were issued and submitted to IRO, Jammu and other committee members vide letter dated 24.03.2026 are enclosed as Annexure-Ia above.

Jagjit Singh
Govt



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

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

CVPP/KWAR/HoP/2025-26/642

Date: 24/03/26

Deputy Director,
Ministry of Environment, Forest and Climate Change,
Sub-Office, Jammu,
Plot No.379-A, Gandhi Nagar,
Jammu – 180004.

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

Sub: Meeting of Multi-Disciplinary Monitoring Committee (MDMC) constituted by MoEF&CC for monitoring of environmental safeguards at 540 MW Kwar HE Project.

Ref: MoEF&CC letter No. J-12011/04/2010-IA-I(R) dated 02.05.2019.

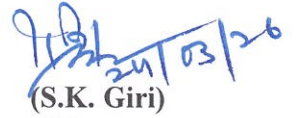
Sir,

With reference to the above cited subject, please find enclosed the Minutes of First Multi-Disciplinary Monitoring Committee (MDMC) meeting held on 19.02.2026 at Kwar Hydroelectric Project (540MW), Kishtwar.

Thanking you.

Encl: As Above.

Yours sincerely,


(S.K. Giri)

General Manager
HOP-Kwar H.E Project
Email: hopkwar@cvppindia.com

Copy to:

1. Prof. Anil Kumar Raina, Deptt. of Environmental Sciences, University of Jammu- anilraina@yahoo.com .
2. Conservator of Forests, Chenab Circle, Doda -cfchenab@gmail.com .
3. Joint Director (Central), Soil & Water Conservation Department, J&K. jdhqrs@gmail.com
4. Conservator of Forests (Wildlife) & Regional Wildlife Warden, Jammu, J&K. ccfwildlifejammu@gmail.com
5. Assistant Director Fisheries, J&K Fisheries Department, Kishtwar. adfkr@gmail.com
6. DGM (Environment), CO CVPPL, Jammu - Officer Looking After Environment at Corporate Office, CVPPL. brahmeshwar.23@cvppindia.com

MINUTES OF FIRST MULTIDISCIPLINARY MONITORING COMMITTEE MEETING HELD ON 19.02.2026 AT KWAR HYDROELECTRIC PROJECT (540MW), KISHTWAR

The first meeting of Multidisciplinary Monitoring Committee (MDMC) of Kwar HE Project (540MW) was held on 19.02.2026 at project site Kishtwar under the Chairmanship of Sh. S.K. Giri, General Manger (HOP), Kwar HE Project, CVPP Limited.

All the members of the committee attended the meeting including Dr. Khursid Alam Khan, Deputy Director, Sub-Office, Jammu of MOEF&CC and other committee members/their representatives, representative of CVPPL Corporate Office. **The list of participants is enclosed as Annexure-I.**

At the outset, Chairman of the Committee, Sh. S.K. Giri welcomed all the committee members and briefed them about the present status of Project, followed by a detailed power point presentation regarding the status of implementation of Environmental Management Plan and Environmental Clearance Conditions. The same was presented by Sh. Jaspreet Singh, Group Sr. Manager (Environment), Kwar HE Project. During the presentation, detailed discussions were held on various aspects of the implementation and compliances under EMP. The detailed deliberation of the meeting is as under:

1. Biodiversity Conservation & Management Plan

Committee was apprised that as per the Environment Management Plan (EMP) of the Project, a provision of Rs.140.48 lakh has been kept for implementation of Biodiversity Conservation & Management Plan and the same has been deposited in NCAMPA in December, 2024. The Plan is to be implemented in phased manner over a period of three years.

It was further apprised that DFO, Kishtwar Forest Division has informed that an amount of Rs.27.40 lakh has been approved in current APO (FY-2025-26) under Biodiversity Conservation & Management Plan. Deputy Director MoEF&CC asked the DFO, if Utilization Certificate (UC) has been furnished by the Forest Department to which DFO Kishtwar Forest Division informed that no UC has been furnished till date as the funds have been released recently and the estimation, administrative approval, technical sanction for the work to be executed is under process.

Committee members desired that geo-coordinates and photographs of the works to be executed shall be provided to the Project officials for further submission to MoEF&CC.

2. Status of Implementation of CAT Plan

The Committee was apprised that a provision of Rs.2950.56 lakh is kept in the EMP of Kwar HE Project. As per the directions of PCCF (HoFF), J&K, Catchment Area Treatment Plan (CAT) of Kwar HE Project was revised. The revised CAT Plan with Financial Implications of Rs.2950.35 lakh was approved by the PCCF (HoFF), J&K. Funds as approved in the revised CAT Plan have been deposited in J&K CAMPA in March, 2025. The revised CAT Plan of Kwar HE Project is to be implemented in a phased manner over a period of 14 years.

In his regard, DFO, Kishtwar Forest Division has informed that in the FY-2025-26, an amount of Rs.122.8 lakh has been sanctioned and estimation, administrative approval, technical sanction for the work to be executed is under process.

The Deputy Director, MOEF&CC emphasized that the execution of CAT Plan works should be taken up at the earliest so that the plan could be completed as per the schedule. He also advised the Forest Department to keep a record of all activities to be undertaken under the CAT Plan and also provide photographs along with Geo-coordinates of the works to CVPPL for further submission to MOEF & CC through six monthly compliance reports.

3. Fisheries Development Plan

It was apprised to the committee that an amount of Rs.798.59 lakh has been earmarked in the EMP for the Fisheries Development Plan. Accordingly, the matter was taken up with the J&K Fisheries Department for implementation of the plan. The Fisheries Department, GoJK has planned to establish a joint Fish farm for Kiru, Kwar and Kirthai-II HEP at village Kijai near Padder in District Kishtwar.

In this regard, Director, Fisheries Department, J&K vide letter dated 31.05.2024 raised the demand for release of funds as earmarked in the EMP. Accordingly, Project on dated 09.07.2024 has deposited an amount of Rs.798.59 lakh with the J&K Fisheries Department. Assistant Director, Fisheries, Kishtwar has informed that land acquisition for establishment of the Fish Farm is in progress and an amount of Rs.303.00 lakh has been transferred to Collector Land Acquisition, Paddar for acquisition of land for the same.

During the discussions, representative of Fisheries Department apprised the committee that the land acquisition process is expected to be completed in next two weeks. It was further informed that rearing of rainbow trout has been proposed and rearing of *Tor* species is not feasible. The Committee members suggested the Fisheries Department to explore the feasibility of rearing indigenous fish species.

Committee desired that Fisheries Department shall provide the approved DPR to the Project official for further apprising to MoEF&CC.

4. R&R Plan

The committee was apprised that R&R plan of Kwar HE Project has been approved by Govt. of J&K vide order dated 03.08.2018. The approved cost of R&R plan is Rs.35.83 Crore. (Individual benefits – Rs.18.14 Crore, Local Area Development fund – Rs. 13.54 Crore, Skill Development – Rs.4.15 Crore). Deputy Commissioner, Kishtwar has been appointed as Commissioner R&R for Kwar HE Project.

As per the initial estimates there are 63 Project Affected Families (PAFs) including 29 displaced families and 34 non-displaced families. However, the number PAFs has been reduced to 27 (04 displaced and 23 non-displaced) after verification of records by the District Administration.

An amount of Rs.5.00 Crore has been released by the Project for implementation of R&R Plan as per the requisition from Commissioner R&R. UC of Rs.4.11 Crore has been received till date (Rs.1.94 Crore disbursed among eligible PAFs, Rs.2.14 Crore expenditure incurred on Local Area Development activities and Rs.2.85 lakh on Skill Development).

5. Compensatory Afforestation (CA) Plan:

It was apprised to the committee that an amount of Rs.383.24 lakh has been deposited for the various compensatory levies including CA, NPV etc. for the diversion of 32.15 ha Forest Land required for the Project. The above amount includes Rs.63.18 lakh against compensatory afforestation. Utilization certificate of Rs.63.13 lakh has been furnished by the Forest Department with intimation that the CA works have been executed and completed in FY 2020-21 and 2021-22.

Committee was of the view that KML files and Geotagged photographs of the works executed under CA shall be provided by the Forest Department to the project authorities for further submission to MoEF&CC.

6. Public Health Delivery System

The committee was informed that an amount of Rs.385.00 lakh has been earmarked under Public Health Delivery System plan of Kwar HE Project. The committee was apprised that Project has provided sanitation facilities in labour colonies during construction period through major contractor as per the contract provisions. In addition to this, contractor has also provided recreational facilities and medical facilities to labourers. Contractor M/s PEL has also provided 2 Nos. Ambulances and a First Aid Centre cum Dispensary at the Project Site with availability of 01 doctor and paramedical staff. The medical facilities are also being availed by the local population of adjoining villages.

Recreation facilities such as TV Room, Gym, TT Hall have also been provided to the workforce at site. RO Systems have been installed by the major contractor to provide clean potable water to the workforce.

Till date an expenditure of Rs.179.04 lakh has been incurred including an expenditure of Rs.49.50 lakh on providing Phacoemulsification (Phaco) Unit to District Hospital Kishtwar aimed at providing advanced cataract surgeries and enhanced ophthalmic care. This is first such unit to be installed in any district hospital across the UT of J&K.

7. Solid Waste Management Plan

Committee was informed that a provision of Rs.221.60 lakh has been kept in EMP for solid waste management. The plan is being implemented by Kwar HE Project for its offices & colonies and by the Contractors at their work sites, colonies and offices. Sufficient number of waste bins have been provided in residential areas, office areas and project area for collection and segregation of solid waste. The recyclable waste (plastic waste, paper waste and metal waste) is being recycled by contractor through scrap dealers and the organic waste is being managed through composting. Till Dec. 2025 an expenditure of Rs.245.93 lakh has been incurred (including expenditure by Contractor as per Contract Provisions).

Committee was of the view that waste segregation should be carried out at source and bio-composters may be installed for disposal of biodegradable waste. In this regard the representative of Major Contractor M/s PEL informed that the segregation of waste is being done and the work order for procurement of bio-composter has been already placed and the same shall be installed at the earliest.

The Project Proponent (PP) sought clarification from the Committee that the approved EMP contains provision of compost pits for composting of biodegradable solid waste and that of septic tanks for sewerage and as such is there any requirement of approval from any authority for change from septic tanks to Bio-composters and from septic tanks to STPs.

The Committee unanimously clarified that the use of advanced technology is always a welcome step as it provides better solution to the environmental issues, therefore, no fresh approval or amendment of any kind in approved Solid Waste Management Plan is required for shifting from compost pits to Bio-composters for composting and from Septic Tanks to Sewage Treatment Plants for sewerage management.

In relation to overall EMP provisions also, the Committee clarified that the use of advanced / better / modern / efficient technology and measures in any component of EMP does not require any approval from any authority and such measures should be adopted by the Project Proponent as per actual site conditions and suitability so as to ensure that the applied measures serve the intended purpose of safeguarding the environment during construction and operation phase of the Project. Further, the measures approved under EMP provide the minimum threshold and as such the Project Proponent is expected to adopt the best practices available at the time of actual execution, commensurate with the site-specific requirements, and to inform all concerned departments about any such changes.

As such, the User Agency must adopt the more suitable and practical approach not only for waste management but also for all other components of the EMP for ensuring better environmental management during construction and operation of the project.

8. Energy Conservation Measures

It was informed to the committee that a provision of Rs.95.00lakh has been kept in EMP. Common mess facilities have been established by major Contractors for their work force wherein LPG is being used as fuel. An expenditure of Rs.882.80 lakh including expenditure by Contractor as per Contract Provisions has been incurred for providing mess facilities. The expenditure incurred, includes cost towards mess establishment, manpower and free fuel.

9. Muck Disposal Plan

Committee was informed that a provision of Rs. 3419.30 Lakh has been kept in the EMP. The contractor executing the works (M/s PEL) has to ensure proper disposal of muck at the designated dumping sites as per the contract agreement.

Suitable portion of excavated muck is being utilized by the Contractor in construction activities. Part of excavated muck is also being utilized in the construction of retaining structures, approach roads, job facility areas, etc. Unusable muck is being disposed off at designated muck dumping sites. Designated muck disposal sites with sufficient area (34.35 ha) and capacity (32.13 lac CuM) are available and the same are being utilized for re-handling and disposal of muck.

The dumping sites have been protected by providing adequate protection walls to avoid spillage of muck. An amount of Rs. 937.75 lakh has been incurred towards the construction of retaining wall at the dumping area up to December 2025.

10. Air & Water Quality Monitoring of Project and Environment Monitoring Programme:

It was informed that a provision of Rs.40 lakh exists in the EMP for monitoring of Air, Water & Noise during the construction phase. Air, Water & Noise quality monitoring is carried out by the major contractor on six-monthly basis and the test reports thereof are submitted to MoEF&CC along with six-monthly EC compliance reports.

Till date an expenditure of Rs.7.84 lakh has been incurred for the same. Committee was also apprised that dust suppression measures are in place for effective containment of fugitive emissions.

11. Environment Monitoring Programme:

A provision of 100.00 lakh has also been kept for the Environment Monitoring Programme in the EMP to study the impact of implementation of various Environment Management Plans. Monitoring is being conducted by various statutory authorities and shall be continued after project commissioning to assess the effectiveness of environmental management plans including the R&R Plan. The provision shall also be utilized for monitoring of environmental quality parameters after commissioning of the project.

12. Disaster Management Plan

The Committee was apprised that the Disaster Management Plan is under implementation and 02 Nos. V-SAT communication systems have been installed (one at Administrative Office Kishtwar and one at Project site, Padyarna) for maintaining proper communication link in case of disasters.

Further, three Early Flood Warning Systems (EFWS) have also been installed upstream of Kiru HE Project at following locations:

- i. Village Layee in Gulabgarh, Padder.
- ii. Village Gulabgarh, Padder (on river Chenab).
- iii. Village Massu, Padder (on Bhut Nallah).

The EFWSs provide real time online information regarding the water levels and water discharge. The lead time of 1 hour 30 minutes is available from village Layee for evacuation in case of high flood warning.

The Committee expressed concern over the delay in the implementation of the Environmental Management Plan (EMP). However, it noted with satisfaction the recent efforts made towards its implementation.

After the meeting, the committee members visited the various project components.

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



(Member Secretary)

**Multi-Disciplinary Monitoring Committee
Kwar HE Project**

LIST OF PARTICIPANTS-First Multidisciplinary Monitoring Committee Meeting of Kwar HE Project (540MW) held on 19.02.2026.

Committee Members

1. Sh. S. K. Giri, HoP, Kwar HE Project- **Chairman**.
2. Dr. Khursid A. Khan, Dy. Director, MoEF&CC, Sub-Office Jammu.
3. Dr. Anil K Raina, Professor (Retd.), Deptt. of Environmental Sciences, University of Jammu.
4. Sh. Mahesh Thakur, DFO, Kishtwar Forest Division, Kishtwar (Representative of Conservator of Forests, Chenab Circle).
5. Sh. Brahmeshwar Kumar, DGM (CVPP), Corporate Office, Jammu
6. Sh. Khalid Mehmood, Distt. Soil & Water Conservation Officer, Doda (Representative of Jt. Director - Central, Soil & Water Conservation Deptt.).
7. Sh. Md. Asgar, Range Officer, Wildlife, Kishtwar (Representative of Regional Wildlife Warden)
8. Sh. Abdul Salam Batt- Representative of Assistant Director Fisheries - Kishtwar, J&K Fisheries Department.
9. Sh. Jaspreet Singh, GSM (Environment), Kwar HE Project-**Member Secretary**

Other attendees

1. Sh. Arindom Chakraborty, DGM (Geology), Kwar HE Project.
2. Sh. R.P. Khajuria, Sr. V.P., M/s PEL.
3. Sh. Parveen Kumar, Project Head M/s PEL
4. Sh. Alok Kumar, Sr. Manager HSE, M/s PEL
5. Sh. Tej Bahadur, Project Manager, M/s PEL.
6. Sh. Basavjit Chatterjee, Dy. Manager HSE, M/s PEL.
7. Sh. Akhter Hussain, R.O. Soil Conservation, Kishtwar.



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 General Manager,
I/C Head of Project
Kwar HEPP.

No: KFD/2026-27/Gen/ 900-901

Dt: 22-05 -2026

Sub: Kawar HE Project- implementation status of CAT Plan and Bio-diversity Conservation and Management Plan.

Ref:- Your office No: CVPPPL/Kawar HEP/HOP/2026-27/54 dt: 02-05-2026.

Sir,

In reference to your office No. cited above, the requisite information is submitted as under:-

S.No	Name of Project	Financial Year	Approved Outlay	Expenditure up to 31-03-2026	Remarks
1	CAT Kawar	2025-26	244.40	3.48499	
2	BDMP Kawar	2025-26	21.52	0	

Yours faithfully,


Divisional Forest Officer,
Kishtwar.

Copy submitted to the Conservator of Forests Chenab Circle Doda for favour of kind information please.



Annexure-IIb

Union Territory of Jammu & Kashmir
Office Of The Deputy Commissioner Kishtwar
Mini Secretariat Complex, Kishtwar

Phone/Fax: 01995-261455/261466, E-mail:-dckishtwar-jk@nic.in

The GM Pakal Dul, Kiru and Kwar HEPP,
CVPPL

No: DCK/PS/25/F.No 01 & 33 (A) & 41/935

Dated: 14.02.2026

Subject: Utilization certificates

Sir,

With reference to the subject cited above, and as requested the updated copy of the utilization of R&R plan is attached as Annexure A (Pakal Dul), B (Kiru) and C (Kwar) respectively

Yours sincerely,


Deputy Commissioner
ADDL. DEPT. COMMISSIONER
Kishtwar

Copy to the: -

1. Divisional Commissioner Jammu for kind information.
2. Tehsildar Chatroo for information.

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

- Rehabilitation & Resettlement Plan of Kwar HEPP has been approved vide G.O. No. 44-DMRR&R of 2018 dated 03.08.2018.
- Executing Agency of Kwar HEPP project is CVPPL+JKPDC
- Implementation of R&R being done by Deputy Commissioner, Kishtwar/Commissioner R&R.
- Amount of R&R Plan Rs. 3583.41 Lakh
- Total Amount Received Rs. 500.00 Lakh
- Amount Released/Utilized as on 10.02.2026 Rs.411.59585 Lakh (individual benefits = Rs. 194.71 Lakh and LADP=Rs. 214.03576 lakh & Rs. 2.85 lakh in Skill Dev Plan)
- 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	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	33.26	3.36	3.36	Paid to 07 eligible PAFs	All PAFs paid as per eligibility

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

Local Area Development Plan (LADP)

- Under the LADP component, the total amount of Rs. 1354.00 Lakh has been approved against which 16 No. of works (Annex. A) Costing Rs. 1348.95 Lakh are under implementation. An amount of Rs. 214.03576 Lakh has been released for the said works.
- Out of the total 16 No. of works, 02 work costing Rs. 20.00 Lakh have been completed and remaining 14 works are at different stages of completion.

Skill Development Component

- Under Skill Development component Rs.415.12 Lakh (Rs.15.12 lakh for Skill Development training and Rs. 400.00 lakh for Skill Development Programmes) has been approved.
- Funds utilized as on date Rs. 2.85 lakh (on admission of paramedical courses of 03 students).

Action taken:

- Nodal Team headed by the Deputy Commissioner, Kishtwar constituted for preparation of Skill Development Plan.
- Preliminary Survey result has indicated preference for Skill Development Training in trades like plumber, carpenter, tailor etc. Pertinently, a total of 75 persons have given consent for undergoing various training courses (Annexure B).
- The ITI Kishtwar has started training of 02 No. of identified unemployed persons for Plumber course and 02 No. of identified unemployed persons for Electrician course and 03 number of identified unemployed youth for COPA. (Annexure B).
- Training of 40 No. of females in cutting & tailoring work & 20 No. of females in crewel Embroidery work through Handicrafts Department has been completed (Annexure B).
- Admission of Students done for FMPHW (01) and Medical Asstt (02) courses and fees deposited. Pertinently, Nursing Council is in the process of filling up left out seats to be allotted to the eligible candidates.
- For other trades and based on interest shown, Skill Development Department shall provide a detailed matrix outlining the qualifications and proposed skill for beneficiaries, based on NSDC guidelines on both Job Roles as well as Recognition of Prior Learning (RPL) for adoption.
- Training for Self Employment & Skilling through NSDC Master Trainers/Agencies is being contemplated. The selection of the Agency(s) shall be done through a transparent process. The Mission Yuva data has been complied and accordingly a team headed by

ADC Kishtwar, CPO Kishtwar, Principal ITI Kishtwar, AD Employment, HQA to DC Kishtwar and two members of NSDC representatives has been constituted for floating EoI and other modalities for imparting skill training to the mapped unemployed youths of affected areas of the Projects. 06 response received for the EoI and same has been opened/ allotted on 11-08-2025. Further, DPRs have been prepared by the Agency regarding which some clarifications have been sought by the District Administration.

- Other approved notable Skill Development related interventions include development of Centre of Excellence at ITI Kishtwar, providing scholarships to students opting for higher technical education, post saturation of PAFs, the expansion of skill mapping to other villages of same CD Block to cover more families, etc.
- One Project Management Unit headed by Dy. Commissioner, Kishtwar with members from all the 04 Projects, Planning, Industries, Education, Employment, Health, Finance & Skill Development Department has been formulated for finalization & overall monitoring of Skill Development Plan including corporate convergence and credit linkages in the future.
- *Besides, data from Mission YUVA has been taken and 169 unemployed youths (from all the four HEPPs) have been identified (other than PAFs) from adjoining areas (Block Trigam, Kishtwar, Drabshalla, Nagseni and Dachhan) for Skill Development Training in different trades.*

Other than R&R Plan benefits:

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

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

Annexure "A"

LADP Component of R&R Plan of Kwar HEPP

(Rs. in lakh)

S.No	Name of Work	Executing Agency	AAA Accorded date	Amount of AAA (in Lakh)	Amount released till date	Date of Completion of project	Present Status
1.	HS Kwar upgradation of infrastructure	CEO Kishtwar through PWD, R&B Paddar	23.04.2025	70.76	3.60467	09 months	(50 % work completed)
2.	MS Bhatan upgradation of infrastructure	CEO Kishtwar through PWD, R&B Paddar	23.04.2025	117.79	0.00	18 months	Consultancy Allotted
3.	MS GujjarBastiPadyarna upgradation of infrastructure	CEO Kishtwar through RDD Kishtwar	23.04.2025	61.07	0.00	31.05.2026	Tendered
4.	Repair of GMS Nagseni	CEO Kishtwar through RDD Kishtwar	23.04.2025	19.70	5.26124	02 months	80 % work completed
5.	Repair/ Renovation of MS Chingnana including Brestwall	CEO Kishtwar through RDD Kishtwar	23.04.2025	7.10	2.10	02 months	70 % work completed
6.	Rural Connectivity	RDD Kishtwar	23.04.2025	200.00	47.77985	1 year	All 29 works, tendered
7.	Solar Street Lights in the affected area	RDD Kishtwar	23.04.2025	15.00	15.00	31.05.2025	Work completed
8.	Graveyard and cremation grounds	RDD Kishtwar	23.04.2025	15.00	15.00	06 months from allotted date	Work started
9.	Construction of Health and Wellness centre at Kwar	CMO Kishtwar through PWD R&B Paddar	23.04.2025	89.75	0.00	01 year	Consultancy tender floated
10.	Development of Play ground (Opposite GHSS Nagseni)	DYSSO Kishtwar through RDD Kishtwar	23.04.2025	30.00	20.59	03 months	25 % work completed
11.	Sports Equipments / Organizing Sports events for recreational infrastructure	DYSSO Kishtwar	23.04.2025	05.00	05.00	1 month	Workcompleted

12.	Construction of Rasgwardi to NoosKul (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	5 % work completed
13.	Construction of AEO office cum Training cum demonstration centre at Kwar	Chief Agriculture officer Kishtwar. RDD	23.04.2025	95.00	95.00	Within 1 year	Tendering under process
14.	Proposed High density walnut orchards 25 units of 1 Kanal each	Chief Horticulture Officer Kishtwar	23.04.2025	05.00	4.70	March 2026	Will be started in appropriate season Feb-March 2026
15.	Repair and renovation of tourist Hostel building at TRC Kishtwar	Executive Engineer PWD (R&B) Div. Kishtwar	23.04.2025	99.92	0.00	31.03.2026	40 % work completed
16.	Constt of Devastan River Front at Bhandarkoot	Executive Engineer PWD (R&B) Div. Kishtwar	09.05.2025	442.86	0.00	01 ½ years	Consultancy work allotted
Total				1348.95	214.03576		

(Annexure B)

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

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

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

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

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

S.No	Details of PAFs			Course Details/No. of Beneficiaries	Remarks
	Displaced	Non Displaced	Total		
1.	04	23	27	1. FMPHW-01 2. Dental Assistant-01 3. Medical Assistant-02 4. X-Ray Tech.-02 5. Lab Asstt.-02	Admission of Students done for FMPHW (01) and Medical Asstt (02) courses and fees deposited. Pertinently, Nursing Council is in the process of filling up left out seats to be allotted to the eligible candidates.

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



Union Territory of Jammu & Kashmir
Office Of The Deputy Commissioner Kishtwar
Mini Secretariat Complex, Kishtwar

phone/Fax: 01995-261455/261466, E-mail: dckishtwar-jk@ncl.in

Subject: Constitution of R&R monitoring Committee for Kiru and Kwar HEPP.

ORDER

In compliance to Environment clearance of Kiru and Kwar HEPP, R&R (Relief & Rehabilitation) monitoring committees comprising of following officers / members is hereby constituted:

A. For Kiru HEPP.

S.No	Officers	Remarks
1.	Deputy Commissioner Kishtwar	Chairman
2.	Chief Planning Officer Kishtwar	Member
3.	DSWO Kishtwar	Member
4.	Sr. Manager/ Manger (Environment) Kiru HEPP	Member
5.	Sh. Akhter Hussain (Rep of PAF-ST beneficiary)	Member
6.	Sh. Makhmad Hussain (Rep of PAF)	Member
7.	Smt. Zainba (Rep of PAF Women beneficiary)	Member

B. For Kwar HEPP.

S.No	Officers	Remarks
1.	Deputy Commissioner Kishtwar	Chairman
2.	Chief Planning Officer Kishtwar	Member
3.	DSWO Kishtwar	Member
4.	Sr. Manager/ Manger (Environment) Kwar HEPP	Member
5.	Sh. Ali Mohd (Rep of PAF- ST beneficiary)	Member
6.	Sh. Bal Krishan (Rep of PAF)	Member
7.	Smt. Rakhima Begum (Rep of PAF Women beneficiary)	Member

No.: -DCK/PS/ 25/ F.No 33(A)/855
 Date: 02.02.2026

2/2/26

 Deputy Commissioner,
 Kishtwar

Copy to the:-

1. All _____ (committee members) for info and n/a



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

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

**The General Manager,
 (I/C) HOP,
 Kwar H.E.Project.**

No: ADF/Ktr/2026-27/150

Dated: 23-05-2026

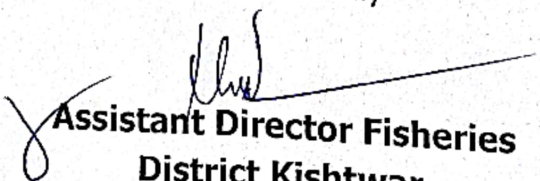
Sub: - Implementation of fisheries development plan of Kwar HE Project- physical and financial status thereof.

Ref: - Your office No. CVPPPL/Kwar HEP/HoP/2026-27/53 Dated:-02-05-2026

Sir,

With reference to the subject cited above, it is to submit that against the proposed amount under EMP of Kwar HEP, the project authorities have released an amount of Rs.798.59 lacs to Directorate of Fisheries J&K. And out of this 798.59 lacs received at Directorate, this office has been released Rs. 277.00 lacs as land compensation which was further transferred to Collector Land Acquisition Padder for disbursal among the rightful land owners in lieu of land. The identified land for establishing the fisheries project stands handed over and acquired by this office so far. Moreover, the Executive Engineer PWD (R&B) Division Padder has hired consultancy for structure and architectural designs for establishment of the said fish farming project. The movement, engineering consultancy is completed a demand for remaining funds for carrying out the construction work will be placed with Directorate of Fisheries J&K in the matter. Hence the information for kind persual please.

Yours faithfully


**Assistant Director Fisheries
 District Kishtwar**



TEST REPORT

Report No.	080526N-E-001	Issue Date	15/05/2026	Page No.	1/2	
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir					
Customer Name & Contact Information#	Mr. Babar Khan					
Description of Sample#	Ambient Air					
Customer's Ref No. & Date #	NIL		Dated#	04/05/2026		
Type of Sample (Variety, Grade, Type, etc)#	N/A					
Batch/Lot No.#	N/A		DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in Polythene Pouch.					
Mode of Collection of Sample	Sampling by Laboratory					
Sample Quantity#	01 No.					
Date of Receipt of Sample	08/05/2026					
Period of Analysis	08/05/2026 To 15/05/2026					
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team					
Sampling Location (Diagram, Sketch, Photo)	CP-30, TRT Batching Plant.					
Date of Sampling	04/05/2026					
Env. Condition during Sampling	Ambient Condition					
Sampling Plan, Sampling Method	NAAQMS/36/2012-13 USEPA:2013					
Testing Protocol	NAAQS					

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m³	Max. 100	79.2	IS 5182 (Part 23)
2	PM2.5	µg/m³	Max. 60	40.6	IDL/SP/03, Issue No-1
3	SO2	µg/m³	Max. 80	19.7	IS 5182 (Part 2)
4	NO2	µg/m³	Max. 80	21.2	IS 5182 (Part 6)
5	NH3	µg/m³	Max. 400	24.1	IS 5182 (Part-25)

Reviewed by



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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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-001		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	CO	mg/m ³	Max. 02	0.43	IS 5182 (Part 10)	
7	Ozone	µg/m ³	Max. 100	21.6	IS 5182 (Part 9)	
8	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)	
10	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
11	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
12	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-002	Issue Date	14/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Ambient Air			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	01 No.			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	60-CUM M1 Plant, Batching Plant.			
Date of Sampling	04/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	$\mu\text{g}/\text{m}^3$	Max. 100	77.4	IS 5182 (Part 23)
2	PM2.5	$\mu\text{g}/\text{m}^3$	Max. 60	38.2	IDL/SP/03, Issue No-1
3	SO2	$\mu\text{g}/\text{m}^3$	Max. 80	18.4	IS 5182 (Part 2)
4	NO2	$\mu\text{g}/\text{m}^3$	Max. 80	20.1	IS 5182 (Part 6)
5	NH3	$\mu\text{g}/\text{m}^3$	Max. 400	25.2	IS 5182 (Part-25)

Reviewed by
14/05/26

Authorised signatory
14/05/26

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

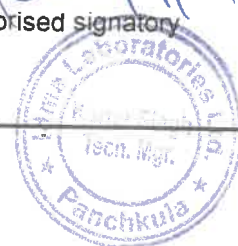
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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-002		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	CO	mg/m ³	Max. 02	0.53	IS 5182 (Part 10)	
7	Ozone	µg/m ³	Max. 100	22.6	IS 5182 (Part 9)	
8	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)	
10	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
11	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
12	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-003	Issue Date	14/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Ambient Air			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	01 No.			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	200TPM Crusher Plant Near Surge Gallery.			
Date of Sampling	04/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m³	Max. 100	80.9	IS 5182 (Part 23)
2	PM2.5	µg/m³	Max. 60	39.7	IDL/SP/03, Issue No-1
3	SO2	µg/m³	Max. 80	16.5	IS 5182 (Part 2)
4	NO2	µg/m³	Max. 80	18.2	IS 5182 (Part 6)
5	NH3	µg/m³	Max. 400	22.4	IS 5182 (Part-25)

Reviewed by
14/05/26



Authorised signatory
14/05/26



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-003		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	CO	mg/m ³	Max. 02	0.46	IS 5182 (Part 10)	
7	Ozone	µg/m ³	Max. 100	20.7	IS 5182 (Part 9)	
8	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)	
10	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
11	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
12	Lead	µg/m ³	Max. 1.0	0.12	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-004	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	CP-30 Bridge Batching Plant.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	$\mu\text{g}/\text{m}^3$	Max. 100	78.7	IS 5182 (Part 23)
2	PM2.5	$\mu\text{g}/\text{m}^3$	Max. 60	37.2	IDL/SP/03, Issue No-1
3	SO2	$\mu\text{g}/\text{m}^3$	Max. 80	16.5	IS 5182 (Part 2)
4	NO2	$\mu\text{g}/\text{m}^3$	Max. 80	19.7	IS 5182 (Part 6)
5	NH3	$\mu\text{g}/\text{m}^3$	Max. 400	22.3	IS 5182 (Part-25)

Reviewed by
14/05/26



Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-004		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	CO	mg/m ³	Max. 02	0.48	IS 5182 (Part 10)	
7	Ozone	µg/m ³	Max. 100	20.6	IS 5182 (Part 9)	
8	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)	
10	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
11	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
12	Lead	µg/m ³	Max. 1.0	0.13	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

Reviewed by



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****End of Report****

Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	080526N-E-005	Issue Date	14/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Ambient Air			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	01 No.			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	H4N Batching Plant			
Date of Sampling	05/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m³	Max. 100	77.4	IS 5182 (Part 23)
2	PM2.5	µg/m³	Max. 60	36.8	IDL/SP/03, Issue No-1
3	SO2	µg/m³	Max. 80	18.6	IS 5182 (Part 2)
4	NO2	µg/m³	Max. 80	20.4	IS 5182 (Part 6)
5	NH3	µg/m³	Max. 400	23.7	IS 5182 (Part-25)

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.		080526N-E-005		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	CO	mg/m ³	Max. 02	0.49	IS 5182 (Part 10)	
7	Ozone	µg/m ³	Max. 100	21.2	IS 5182 (Part 9)	
8	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)	
10	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
11	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
12	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



Reviewed by

****End of Report****



Authorised signatory

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-006	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	300TPH,Near Grid Crusher Plant.				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m³	Max. 100	81.6	IS 5182 (Part 23)
2	PM2.5	µg/m³	Max. 60	40.5	IDL/SP/03, Issue No-1
3	SO2	µg/m³	Max. 80	17.9	IS 5182 (Part 2)
4	NO2	µg/m³	Max. 80	19.4	IS 5182 (Part 6)
5	NH3	µg/m³	Max. 400	21.2	IS 5182 (Part-25)

Reviewed by
14/05/26

Authorised signatory
14/05/26



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-006		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	CO	mg/m ³	Max. 02	0.53	IS 5182 (Part 10)	
7	Ozone	µg/m ³	Max. 100	22.7	IS 5182 (Part 9)	
8	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)	
10	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
11	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
12	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



Authorised signatory



End of Report

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-007	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	C1 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	CP 30 TRT Batching Plant				
Date of Sampling	04/05/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise)	-	-	-	-
1	Lday	dB(A)	Max 75	68.2	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	62.7	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

End of Report



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-008	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	60-CUM M1 Plant Batching Plant				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	70.5	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	63.9	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

****End of Report****

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

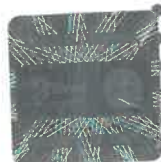
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TEST REPORT

Report No.	080526N-E-009	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	200 TPH Crusher Plant Near Surge Gallery.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	72.0	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	66.7	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

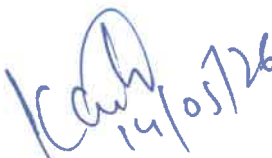
Specific test condition, if any : N/A

Represents details provided by the customer.

****End of Report****

Reviewed by

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


14/05/26
Authorised signatory


Karan Singh
Tech. Mgr.
Idma Laboratories Ltd.
Panchkula

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-010	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	TRT Tail Race Tunnel				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	71.6	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	64.9	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.

****End of Report****




Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	080526N-E-011	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Surge Gallery				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	70.8	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	65.4	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

End of Report

14/05/26
Reviewed by

14/05/26
Authorised signatory

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TEST REPORT

Report No.	080526N-E-012	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	MAT,LVT Power House Complex				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise)	-	-	-	-
1	Lday	dB(A)	Max 75	71.8	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	64.7	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

End of Report



14/05/26
Authorised signatory



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TEST REPORT

Report No.	080526N-E-013	Issue Date	14/05/2026	Page No. 1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	NOISE LEVEL (AMBIENT)			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	01 No.			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	PS-1,Pressure Shafts			
Date of Sampling	05/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015			
Testing Protocol	EPA/CPCB			

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	72.0	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	67.5	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.

End of Report

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	080526N-E-014	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	PS-2,Pressure Shafts				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	71.2	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	64.3	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

End of Report



Reviewed by

14/05/26
Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

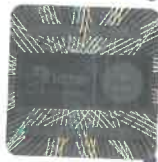
Panchkula - 134113,

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Tel No. 0172 - 5064827, - 5064830

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-015	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	CP-30, Bridge Batching Plant				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise)	-	-	-	-
1	Lday	dB(A)	Max 75	71.9	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	65.7	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

****End of Report****



Kartar Singh
14/05/26
Authorised signatory



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Idma Corporate Park,

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TEST REPORT

Report No.	080526N-E-016	Issue Date	14/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	H4N Batching Plant				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	EPA/CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise)	-	-	-	-
1	Lday	dB(A)	Max 75	70.9	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	62.8	EPA Guideline Manual July 2008

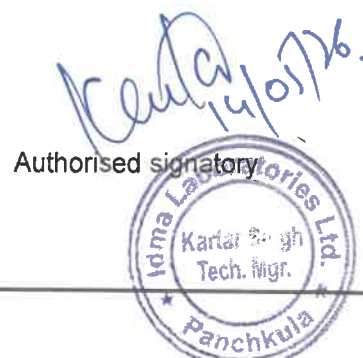
Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-017	Issue Date	14/05/2026	Page No. 1/1
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	NOISE LEVEL (AMBIENT)			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	01 No.			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	300TPM Near Grid Crusher Plant			
Date of Sampling	05/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015			
Testing Protocol	EPA/CPCB			

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise	-	-	-	-
1	Lday	dB(A)	Max 75	71.2	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	63.8	EPA Guideline Manual July 2008

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

End of Report

Reviewed by



Authorised signatory



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Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-018	Issue Date	14/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name & Contact Information#	Mr. Babar Khan			
Description of Sample#	Surface Water			
Customer's Ref No. & Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing, Marking, Seal#	Plastic Can			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	5 Ltr			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	UP Stream of Dam.			
Date of Sampling	04/05/2026			
Env. Condition during Sampling	4±2°C			
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition			
Testing Protocol	-			

RESULTS

S.No.	Test Parameter	Units	Requirement (Acceptable Limit)	Results	Test Method
	Chemical Testing (Water)	-	-	-	-
1	pH	-	-	7.32	APHA 4500H+B 24th Edition, 2023
2	Alkalinity as CaCO ₃	mg/L	-	138	APHA 2320 B 24th Edition, 2023
3	Calcium as Ca	mg/L	-	31.5	APHA 3500-Ca B 24th Edition, 2023
4	Chloride as Cl	mg/L	-	19.7	APHA 4500Cl- B 24th Edition, 2023
5	Magnesium as Mg	mg/L	-	16.4	APHA 3500 Mg B 24th Edition, 2023
6	Dissolved Oxygen (DO)	mg/L	-	6.5	CPCB Guide Manual: Water & waste water



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

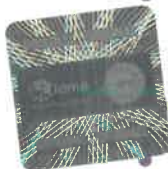
Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-018		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Requirement (Acceptable Limit)	Results	Test Method	
6					Analysis	
7	Hardness Total (as CaCO ₃)	mg/L	-	146	APHA 2340C 24th Edition, 2023	
8	Total Dissolved Solids	mg/L	-	192	APHA 2540 C 24th Edition, 2023	
9	Sulphate as SO ₄	mg/L	-	8.5	APHA 4500-SO ₄ -4 E 24th Edition, 2023	
10	Turbidity	NTU	-	<1	APHA 3130 B 24th Edition, 2023	
11	Residual Free chlorine	mg/L	-	<0.1	APHA 4500Cl B 24th Edition, 2023	
12	Iron as Fe	mg/L	-	0.008	APHA 3120 B 24th Edition, 2023	
13	Lead as Pb	mg/L	-	BLQ (LOQ - 0.0005)	APHA 3120 B 24th Edition, 2023	
14	Manganese as Mn	mg/L	-	BLQ (LOQ - 0.0005)	APHA 3120 B 24th Edition, 2023	
	Biological Testing (Water)	-	-	-	-	
15	Faecal Coliforms	MPN/100ml	-	84	APHA 9221, 24th Edition 2023	
16	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	-	5.0	CPCB Guide Manual:Water & waste water Analysis	
17	Chemical Oxygen Demand	mg/L	-	12	CPCB Guide Manual:Water & waste water Analysis	

Opinion : N/A

Remarks: BLQ- Below Limit of Quantification; LOQ -Limit of Quantification

In the absence of specified limits by client in the test request, the above results are reported as obtained.

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****

Idma Laboratories Limited

Idma Corporate Park,

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Panchkula - 134113,

Haryana (India)

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TEST REPORT

Report No.	080526N-E-019	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Surface Water				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Down Stream of Dam				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	--				

RESULTS

S.No.	Test Parameter	Units	Requirement (Acceptable Limit)	Results	Test Method
	Chemical Testing (Water)	-	-	-	-
1	pH	-	-	7.32	APHA 4500H+B 24th Edition, 2023
2	Alkalinity as CaCO ₃	mg/L	-	149	APHA 2320 B 24th Edition, 2023
3	Calcium as Ca	mg/L	-	29.4	APHA 3500-Ca B 24th Edition, 2023
4	Chloride as Cl	mg/L	-	20.6	APHA 4500Cl- B 24th Edition, 2023
5	Magnesium as Mg	mg/L	-		APHA 3500 Mg B 24th Edition, 2023
6	Dissolved Oxygen (DO)	mg/L	-	6.2	CPCB Guide Manual: Water & waste water



Authorised signatory



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TEST REPORT

Report No.		080526N-E-019		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Requirement (Acceptable Limit)	Results	Test Method	
6					Analysis	
7	Hardness Total (as CaCO ₃)	mg/L	-	142	APHA 2340C 24th Edition, 2023	
8	Total Dissolved Solids	mg/L	-	185	APHA 2540 C 24th Edition, 2023	
9	Sulphate as SO ₄	mg/L	-	7.6	APHA 4500-SO ₄ -4 E 24th Edition, 2023	
10	Turbidity	NTU	-	<1	APHA 3130 B 24th Edition, 2023	
11	Residual Free chlorine	mg/L	-	<0.1	APHA 4500Cl B 24th Edition, 2023	
12	Iron as Fe	mg/L	-	0.014	APHA 3120 B 24th Edition, 2023	
13	Lead as Pb	mg/L	-	BLQ (LOQ - 0.0005)	APHA 3120 B 24th Edition, 2023	
14	Manganese as Mn	mg/L	-	BLQ (LOQ - 0.0005)	APHA 3120 B 24th Edition, 2023	
	Biological Testing (Water)	-	-	-	-	
15	Faecal Coliforms	MPN/100ml	-	120	APHA 9221, 24th Edition 2023	
16	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	-	6.0	CPCB Guide Manual:Water & waste water Analysis	
17	Chemical Oxygen Demand	mg/L	-	16.0	CPCB Guide Manual:Water & waste water Analysis	

Opinion : N/A

Remarks: BLQ- Below Limit of Quantification; LOQ -Limit of Quantification

In the absence of specified limits by client in the test request, the above results are reported as obtained.

Specific test condition,if any : N/A

Represents details provided by the customer.



Reviewed by

End of Report

Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-020	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Tunel Waste Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	TRT, Tail Race Tunnel.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5 - 9.0	7.51	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	184	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	20	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664

Reviewed by
Dipti Jain
Asst. Tech. Manager

Authorised signatory
Kartar Singh
Tech. Mgr.

Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.		080526N-E-020		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	432	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	38	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

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TEST REPORT

Report No.	080526N-E-021	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Tunel Waste Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Surge Gallery				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.28	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	160	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	18	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	5.7	EPA Method 1664

Reviewed by



Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-021		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	486	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	40	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.

Reviewed by



Authorised signatory

End of Report



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	080526N-E-022	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Tunel Waste Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	MAT,CVT,Power House Complex				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.38	APHA 4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	184	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	22	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	5.9	EPA Method 1664

Reviewed by
14/05/26

Authorised signatory

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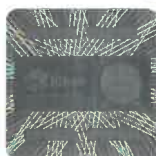
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TEST REPORT

Report No.		080526N-E-022		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	386	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	29	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****



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TEST REPORT

Report No.	080526N-E-023	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Batching Plant Waste Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	CP-30 TRT				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5 -9.0	7.39	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	132	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	14.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664

Reviewed by



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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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-023		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	419	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	40	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-024	Issue Date	14/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Waste Water (Batching Plant Waste Water)			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	5 Ltr			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	CP-30 Bridge			
Date of Sampling	04/05/2026			
Env.Condition during Sampling	4±2°C			
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.49	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	172	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	20	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	4.26	EPA Method 1664

Reviewed by

Dipti Jain
Asst. Tech. Manager

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

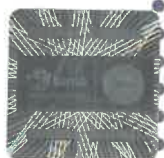
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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-024		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	653	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	58	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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TEST REPORT

Report No.	080526N-E-025	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Batching Plant Waste Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	60-Cum M1 Plant				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.38	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	124	CPCB Guide Manual:Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	18	CPCB Guide Manual:Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664

Reviewed by

Dipti Jain
Asst. Tech. Manager

Authorised signatory

Karan Singh
Tech. Mgr.

Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.		080526N-E-025		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	486	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	35.0	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****

Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-026	Issue Date	14/05/2026	Page No. 1/2	
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Batching Plant Waste Water)				
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026	
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	H4N				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.49	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	128	CPCB Guide Manual:Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	16	CPCB Guide Manual:Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	4.4	EPA Method 1664



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

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TEST REPORT

Report No.		080526N-E-026		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	459	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	36	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****



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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-027	Issue Date	14/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Waste Water (Batching Plant Waste Water)			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	5 Ltr			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 14/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	200 TPH Near Storage Gallery			
Date of Sampling	04/05/2026			
Env.Condition during Sampling	4±2°C			
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.53	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	140	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	18	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	5.2	EPA Method 1664

Reviewed by



Authorised signatory



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TEST REPORT

Report No.		080526N-E-027		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	503	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	49	APHA2540 D24th Edition, 2023	

Opinion : N/A

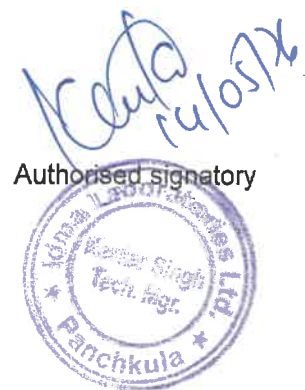
Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



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TEST REPORT

Report No.	080526N-E-028	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Waste Water (Crusher Plant Waste Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	300TPH CP Near Grid				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.48	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	104	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	12	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664

Idma Laboratories Limited
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Authorised signatory





Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-028		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	408	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	33	APHA2540 D24th Edition, 2023	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

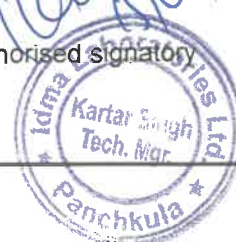
Report No.	080526N-E-029	Issue Date	15/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Stack Emission (DG)			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Thimble Packed in Polythene Pouch			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	1 No			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 15/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	Stack Attached to DG Caterpillar 500 KVA.			
Date of Sampling	04/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	LATS/80/2013-14 USEPA:2013			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATIONS:	-	-	-	-
2	Stack Height	Meters	-	4.572	-
3	Stack Diameter	Meters	-	0.254	-
4	Ambient Temperature	°C	-	3.0	-



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Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

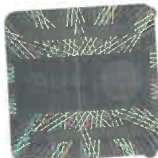
Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in



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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-029		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Stack Temperature	°C	-	145	-	
6	Velocity	m/s	-	13	-	
7	Type of Fuel	-	-	HSD	-	
8	Sampling Flow rate	LPM	-	24	-	
9	Sampling Time	Minutes	-	31	-	
10	Volumetric Flow rate	Nm³/hr	-	1665	-	
	PARAMETERS:	-	-	-	-	
11	PM	g/kW-hr	Max. 0.2	0.12	USEPA Method 5	
12	CO	g/kW-hr	Max. 3.5	1.08	USEPA Method 10,10A	
13	NOx+HC	g/kW-hr	Max. 4.0	1.52	USEPA Method 7E	
14	SO2	g/kW-hr	-	0.76	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-030	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Cummins 500 KVA.				
Date of Sampling	04/05/2026				
Env. Condition during Sampling	Ambient Condition.				
Sampling Plan, Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	-	3.66	-
2	Stack Diameter	Meters	-	0.203	-
3	Ambient Temperature	°C	-	3.0	-



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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-030		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	152	-	
5	Velocity	m/s	-	12.8	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	24	-	
8	Sampling Time	Minutes	-	31	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1032.4	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.08	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.11	USEPA Method 10,10A	
12	NOx +HC	g/kW-hr	Max. 4.0	1.39	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.67	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-031	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Stack Attached to DG Caterpillar 600 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition.				
Sampling Plan,Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	-	4.57	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	3.0	-



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-031		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	150	-	
5	Velocity	m/s	-	12.3	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	23	-	
8	Sampling Time	Minutes	-	33	-	
9	Volumetric Flow rate	Nm³/hr	-	1557.4	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.09	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.18	USEPA Method 10,10A	
12	NOx + HC	g/kW-hr	Max. 4.0	1.64	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.77	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-032	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Stack Attached to DG Cummins 600 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATIONS:	-	-	-	-
1	Stack Height	Meters	-	4.572	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	3.0	-



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Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

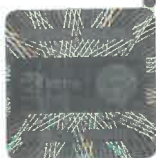
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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-032		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	150	-	
5	Velocity	m/s	-	12.8	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	24	-	
8	Sampling Time	Minutes	-	31	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1609.3	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.10	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.01	USEPA Method 10,10A	
12	NOx +HC	g/kW-hr	Max. 4.0	1.38	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.86	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****

Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	080526N-E-033	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Stack Attached to DG Caterpillar 500 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

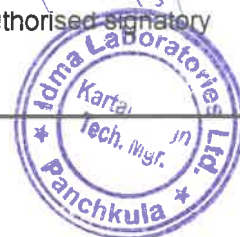
RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	-	4.572	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	3.0	-

Reviewed by



Authorised Signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-033		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	156	-	
5	Velocity	m/s	-	13	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	24	-	
8	Sampling Time	Minutes	-	31	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1623.0	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.10	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.20	USEPA Method 10,10A	
12	NOx +HC	g/kW-hr	Max. 4.0	1.45	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.69	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



Authorised signatory



End of Report

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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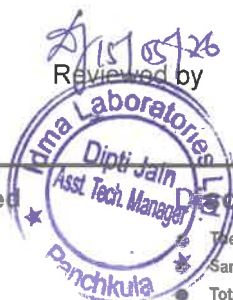
TEST REPORT

Report No.	080526N-E-034	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Caterpillar 500 KVA.				
Date of Sampling	04/05/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

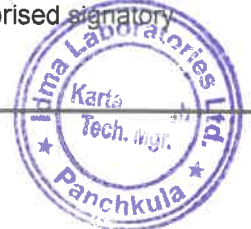
RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	-	4.572	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	3.0	-

Reviewed by



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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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-034		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	146	-	
5	Velocity	m/s	-	12.7	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	24	-	
8	Sampling Time	Minutes	-	32	-	
9	Volumetric Flow rate	Nm³/hr	-	1623.4	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.10	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.27	USEPA Method 10,10A	
12	NOx +HC	g/kW-hr	Max. 4.0	1.84	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.88	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-035	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Stack Attached to DG Caterpillar 500 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition.				
Sampling Plan,Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	-	4.572	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	3.0	-

Reviewed by
15/05/26



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-035		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	143	-	
5	Velocity	m/s	-	12.0	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	22	-	
8	Sampling Time	Minutes	-	34	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1545.0	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.11	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.55	USEPA Method 10, 10A	
12	NOx + HC	g/kW-hr	Max. 4.0	1.40	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.57	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-036	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026	
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Thimble Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Stack Attached to Caterpillar 500 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	LATS/80/2013-14 USEPA:2013				
Testing Protocol	CPCB				

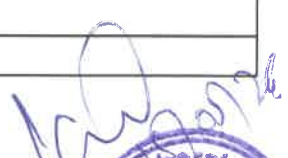
RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
	STACK MONITORING:	-	-	-	-
	GENERAL INFORMATION:	-	-	-	-
1	Stack Height	Meters	-	4.572	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	3.0	-

Reviewed by

Dipti Jain
Asst. Tech. Manager


Authorised signatory


Kartar Singh
Tech. Mgr.


Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-036		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	149	-	
5	Velocity	m/s	-	12.3	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	23	-	
8	Sampling Time	Minutes	-	33	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1561.1	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.12	USEPA Method 5	
11	CO	g/kW-hr	Max. 3.5	1.17	USEPA Method 10,10A	
12	NOx +HC	g/kW-hr	Max. 4.0	1.66	USEPA Method 7E	
13	SO2	g/kW-hr	-	0.70	USEPA Method 6C	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-037	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026	
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	DG Noise Caterpillar 600KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	71.2	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	98.8	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	73.4	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.4	EPA Guideline Manual July 2008



Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-037	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition, If any : N/A

Represents details provided by the customer.



Reviewed by

Dipti Jain
Asst. Tech. Manager

Panchkula

Authorised signatory



Kartar Singh
Tech. Mgr.

Panchkula

End of Report

Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-038	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	DG Noise Caterpillar 500KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	70.4	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	98.4	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	72.9	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.5	EPA Guideline Manual July 2008

Reviewed by



Authorised signatory



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TEST REPORT

Report No.	080526N-E-038	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



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Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-039	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026	
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	DG Noise Caterpillar 500KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	70.5	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	99.2	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	72.8	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	26.4	EPA Guideline Manual July 2008



Authorised signatory



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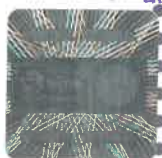
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Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-039	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



Reviewed by

End of Report

Authorised signatory



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TEST REPORT

Report No.	080526N-E-040	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	DG Noise Caterpillar 500 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	71.0	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	99.2	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	73.9	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.3	EPA Guideline Manual July 2008

Reviewed by
15/05/26



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TEST REPORT

Report No.	080526N-E-040	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



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TEST REPORT

Report No.	080526N-E-041	Issue Date	15/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Noise Level D.G.			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	1 No			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 15/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	DG Noise Caterpillar 500 KVA.			
Date of Sampling	04/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	70.2	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	97.6	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	72.5	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.2	EPA Guideline Manual July 2008

Reviewed by
27/05/26



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TEST REPORT

Report No.	080526N-E-041	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****



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TEST REPORT

Report No.	080526N-E-042	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	DG Noise Cummins 500 KVA.				
Date of Sampling	04/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	68.8	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	98.5	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	72.8	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.7	EPA Guideline Manual July 2008

Reviewed by

Authorised signatory

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TEST REPORT

Report No.	080526N-E-042	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



Authorised signatory



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TEST REPORT

Report No.	080526N-E-043	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Noise Cummins 600 KVA.				
Date of Sampling	04/05/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	70.6	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	98.9	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	72.8	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	26.1	EPA Guideline Manual July 2008

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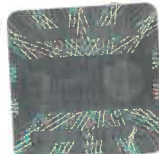
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TEST REPORT

Report No.	080526N-E-043	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



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TEST REPORT

Report No.	080526N-E-044	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Babar Khan				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Instrument at site				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG noise Caterpillar 600 KVA.				
Date of Sampling	04/05/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Result	Test Method
	CHEMICAL DISCIPLINE (Source Noise Level)	-	-	-	-
1	1.0 m from the enclosure surface	dB(A)	Max. 75.0	69.8	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	99.4	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	73.8	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.6	EPA Guideline Manual July 2008

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08/05/26



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TEST REPORT

Report No.	080526N-E-044	Issue Date	15/05/2026	Page No. 2/2
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Opinion : N/A*

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report



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TEST REPORT

Report No.	080526N-E-045	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Work Zone Air (Noxious Gases)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	TRT(Tail Race Tunnel)				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	ILL/SOP/ENV/WZ/01:2020				
Testing Protocol	OSHA				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	CO	ppm	Max. 50	0.34	LAB/SOP/WZ-CO-001
2	Hydrogen sulfide (H ₂ S)	ppm	Max. 10	0.047	LAB/SOP/WZ-H ₂ S-001
3	CO ₂	ppm	Max 5000	1101	LAB/SOP/WZ-CO ₂ -001
4	O ₂	%	19.5- 23.5	20.9	LAB/SOP/WZ-O ₂ -001
5	Silica (SiO ₂)	ug/m ³	Max 50	0.42	LAB/SOP/WZ-Si-001

Reviewed by
14/05/26



Authorised signatory
14/05/26



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-045		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	NO2	mg/m ³	Max 09	0.025	LAB/SOP/WZ-NOx-001	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



Reviewed by

End of Report



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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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-046	Issue Date	15/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Work Zone Air (Noxious Gases)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 15/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Surge Gallary				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	ILL/SOP/ENV/WZ/01:2020				
Testing Protocol	OSHA				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	CO	ppm	Max. 50	0.41	LAB/SOP/WZ-CO-001
2	Hydrogen sulfide (H ₂ S)	ppm	Max. 10	0.028	LAB/SOP/WZ-H ₂ S-001
3	CO ₂	ppm	Max. 5000	1082	LAB/SOP/WZ-CO ₂ -001
4	O ₂	%	19.5-23.5	20.1	LAB/SOP/WZ-O ₂ -001
5	Silica (SiO ₂)	ug/m ³	Max 50	0.38	LAB/SOP/WZ-Si-001

Reviewed by
27/15/2026



Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-046		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	NO2	mg/m ³	Max. 09	0.019	LAB/SOP/WZ-NO2-001	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-047	Issue Date	15/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Babar Khan			
Description of Sample#	Work Zone Air (Noxious Gases)			
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	1 No			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 15/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	Mat,Cvti Power House Complex			
Date of Sampling	05/05/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	ILL/SOP/ENV/WZ/01:2020			
Testing Protocol	OSHA			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	CO	ppm	Max. 50	0.42	LAB/SOP/WZ-CO-001
2	Hydrogen sulfide (H ₂ S)	ppm	Max. 10	0.034	LAB/SOP/WZ-H ₂ S-001
3	CO ₂	ppm	Max. 5000	1074	LAB/SOP/WZ-CO ₂ -001
4	O ₂	%	19.5 - 23.5	21.3	LAB/SOP/WZ-O ₂ -001
5	Silica (SiO ₂)	ug/m ³	Max 50	0.37	LAB/SOP/WZ-Si-001

21/05/26
Reviewed by

15/05/26
Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-047		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	NO2	mg/m ³	Max. 09	0.029	LAB/SOP/WZ-NO2-001	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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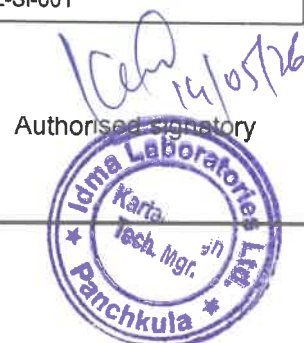
Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-048	Issue Date	14/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Babar Khan				
Description of Sample#	Work Zone Air (Noxious Gases)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	1 No				
Date of Receipt of Sample	08/05/2026				
Period of Analysis	08/05/2026 To 14/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	PS-1 Pressure Shaft				
Date of Sampling	05/05/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	ILL/SOP/ENV/WZ/01:2020				
Testing Protocol	OSHA				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	CO	ppm	Max. 50	0.39	LAB/SOP/WZ-CO-001
2	Hydrogen sulfide (H ₂ S)	ppm	Max. 10	0.022	LAB/SOP/WZ-H ₂ S-001
3	CO ₂	ppm	Max. 5000	1105	LAB/SOP/WZ-CO ₂ -001
4	O ₂	%	19.5- 23.5	20.4	LAB/SOP/WZ-O ₂ -001
5	Silica (SiO ₂)	ug/m ³	Max. 50	0.46	LAB/SOP/WZ-Si-001



Idma Laboratories Limited
Idma Corporate Park,
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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-048		Issue Date	14/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	NO2	mg/m ³	Max. 09	0.022	LAB/SOP/WZ-NO2-001	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report



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Idma Laboratories Limited

TEST REPORT

Report No.	080526N-E-049	Issue Date	15/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir			
Customer Name & Contact Information#	Mr. Babar Khan			
Description of Sample#	Work Zone (Noxious Gases)			
Customer's Ref No. & Date #	NIL		Dated#	04/05/2026
Type of Sample (Variety, Grade, Type, etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in Polythene Pouch			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	1 No			
Date of Receipt of Sample	08/05/2026			
Period of Analysis	08/05/2026 To 15/05/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	PS-2 Pressure Shaft			
Date of Sampling	05/05/2026			
Env. Condition during Sampling	Ambient Condition			
Sampling Plan, Sampling Method	ILL/SOP/ENV/WZ/01:2020			
Testing Protocol	OSHA			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	CO	ppm	Max. 50	0.42	LAB/SOP/WZ-CO-001
2	Hydrogen sulfide (H ₂ S)	ppm	Max. 10	0.027	LAB/SOP/WZ-H ₂ S-001
3	CO ₂	ppm	Max. 5000	1089	LAB/SOP/WZ-CO ₂ -001
4	O ₂	%	19.5-23.5	20.5	LAB/SOP/WZ-O ₂ -001
5	Silica (SiO ₂)	ug/m ³	Max. 50	0.38	LAB/SOP/WZ-Si-001



Authorised Signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		080526N-E-049		Issue Date	15/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	NO2	mg/m ³	Max. 09	0.020	LAB/SOP/WZ-NO2-001	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



Reviewed by

End of Report



Authorised signatory

Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-002	Issue Date	20/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No.& Date #	NIL		Dated#	04/05/2026	
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can, DOS-04.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	2 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 20/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Officer Mess Padyarna				
Date of Sampling	N/A				
Env.Condition during Sampling	N/A				
Sampling Plan,Sampling Method	N/A				
Testing Protocol	IS 10500:2012 Amdt 1 to 4				

RESULTS

S.No.	Test Parameter	Units	Specification		Results	Test Methods
			Acceptable Limit (Max)	Permissible Limit (Max)		
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	Max. 5	Max. 15	<1	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	6.5-8.5	No Relaxation	7.00	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	11.82	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	0.0016	IS 3025 (Part 57) : 2021

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TEST REPORT

Report No.			140526N-F-002		Issue Date	20/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	3.85	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	6.90	IS 3025 (Part 32) : 2025	
8	Cyanide (as CN)	mg/L	Max. 0.05	No Relaxation	BLQ (LOQ-0.05)	IS 3025 (Part 27) : 1986	
9	Fluoride (as F)	mg/L	Max. 1	Max. 1.5	0.2	IS 3025 (Part 60) : 2008	
10	Total Hardness (as CaCO3)	mg/L	Max. 200	Max. 600	17.12	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	40.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO4)	mg/L	Max. 200	Max. 400	3.97	IS 3025 (Part 24/Sec 1) : 2022	
13	Turbidity	NTU	Max. 1	Max. 5	<1	IS 3025 (Part 10) : 2023	
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) :2023	
15	Free Residual chlorine*	mg/L	Min. 0.2	Min.1.0	BLQ (LOQ-0.1)	IS 3025 (Part 26) : 2021	
	METALS:	-	-	-	-	-	
16	Cadmium (as Cd)	mg/L	Max. 0.003	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 41) :2023	
17	Copper (as Cu)	mg/L	Max. 0.05	Max. 1.5	BLQ (LOQ-0.0005)	IS 3025 (Part 42) : 2024	
18	Iron (as Fe)	mg/L	Max. 1.0	No Relaxation	0.0214	IS 3025 (Part 53) : 2024	
19	Manganese (as Mn)	mg/L	Max. 0.1	Max. 0.3	BLQ (LOQ-0.0005)	IS 3025 (Part 59) : 2023	
20	Nickel (as Ni)	mg/L	Max. 0.02	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 54) : 2003	
21	Zinc (as Zn)	mg/L	Max. 5	Max. 15	0.8325	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	BLQ (LOQ-0.0005)	IS 3025 (Part 55) : 2003	
23	Selenium (as Se)	mg/L	Max. 0.01	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 56) : 2003 or IS:15303:2003	
24	Silver (as Ag)	mg/L	Max. 0.1	No Relaxation	BLQ (LOQ-0.0005)	IS: 13428 : 2024	
25	Mercury (as Hg)	mg/L	Max. 0.001	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 48) :2025	
26	Magnesium (as Mg)	mg/L	Max. 30	Max. 100	1.82	IS 3025 (Part 46) :2023	

Reviewed by

Authorised signatory

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Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.			140526N-F-002		Issue Date	20/05/2026	Page No. 3/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
27	Sodium as Na	mg/L	-	-	3.80	IS 3025 (Part-45): 2024	
28	Potassium as K	mg/L	-	-	1.00	IS 3025 (Part-45): 2024	
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0015	IS 3025 (Part 37) :2022	
30	Total Chromium (as Cr)	mg/L	Max. 0.05	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 52) : 2003	
	Biological Testing (Water)	-	-	-	-	-	
31	E. coli	/100ml	Shall not be detectable in any 100ml sample	-	Absent	IS 15185: 2016	
32	Total Coliform Bacteria	/100ml	Shall not be detectable in any 100ml sample	-	Absent	IS 15185: 2016	

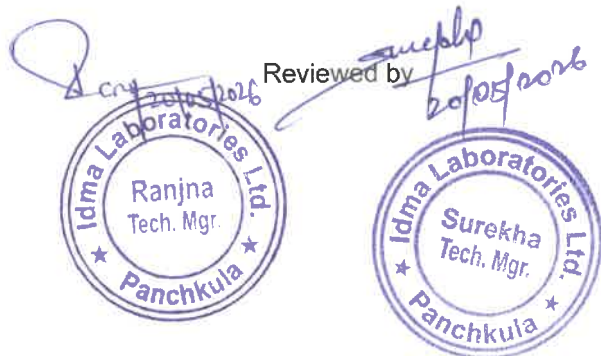
Opinion : N/A

*Declaration w.r.t chlorination:- To be applicable only when water is chlorinated. Tested at consumer end as per IS 10500:2012.

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.

Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-003	Issue Date	20/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can, DOS-04.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	2 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 20/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Worker Mess Near Office				
Date of Sampling	N/A				
Env.Condition during Sampling	N/A				
Sampling Plan,Sampling Method	N/A				
Testing Protocol	IS 10500:2012 Amdt 1 to 4				

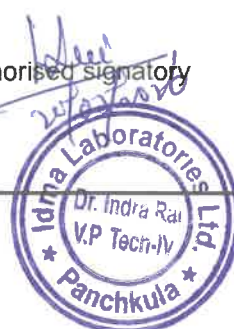
RESULTS

S.No.	Test Parameter	Units	Specification		Results	Test Methods
			Acceptable Limit (Max)	Permissible Limit (Max)		
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	Max. 5	Max. 15	<1	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	6.5-8.5	No Relaxation	7.92	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	25.8	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	0.0010	IS 3025 (Part 57) : 2021

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

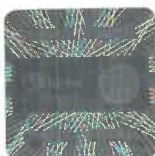
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Idma Laboratories Limited

TEST REPORT

Report No.			140526N-F-003		Issue Date	20/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	8.56	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	9.86	IS 3025 (Part 32) : 2025	
8	Cyanide (as CN)	mg/L	Max. 0.05	No Relaxation	BLQ (LOQ-0.05)	IS 3025 (Part 27) : 1986	
9	Fluoride (as F)	mg/L	Max. 1	Max. 1.5	0.2	IS 3025 (Part 60) : 2008	
10	Total Hardness (as CaCO ₃)	mg/L	Max. 200	Max. 600	34.24	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	70.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	6.17	IS 3025 (Part 24/Sec 1) : 2022	
13	Turbidity	NTU	Max. 1	Max. 5	<1	IS 3025 (Part 10) : 2023	
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) : 2023	
15	Free Residual chlorine*	mg/L	Min. 0.2	Min. 1.0	BLQ (LOQ-0.1)	IS 3025 (Part 26) : 2021	
	METALS:	-	-	-	-	-	
16	Cadmium (as Cd)	mg/L	Max. 0.003	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 41) : 2023	
17	Copper (as Cu)	mg/L	Max. 0.05	Max. 1.5	BLQ (LOQ-0.0005)	IS 3025 (Part 42) : 2024	
18	Iron (as Fe)	mg/L	Max. 1.0	No Relaxation	0.0172	IS 3025 (Part 53) : 2024	
19	Manganese (as Mn)	mg/L	Max. 0.1	Max. 0.3	0.0006	IS 3025 (Part 59) : 2023	
20	Nickel (as Ni)	mg/L	Max. 0.02	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 54) : 2003	
21	Zinc (as Zn)	mg/L	Max. 5	Max. 15	BLQ (LOQ-0.0005)	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0848	IS 3025 (Part 55) : 2003	
23	Selenium (as Se)	mg/L	Max. 0.01	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 56) : 2003 or IS:15303:2003	
24	Silver (as Ag)	mg/L	Max. 0.1	No Relaxation	BLQ (LOQ-0.0005)	IS: 13428 : 2024	
25	Mercury (as Hg)	mg/L	Max. 0.001	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 48) : 2025	
26	Magnesium (as Mg)	mg/L	Max. 30	Max. 100	3.12	IS 3025 (Part 46) : 2023	
27	Sodium as Na	mg/L	-	-	5.01	IS 3025 (Part-45): 2024	

Reviewed by



Authorised signatory

20/05/2026



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-003		Issue Date	20/05/2026	Page No. 3/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods
			Acceptable Limit (Max)	Permissible Limit (Max)		
28	Potassium as K	mg/L	-	-	2.04	IS 3025 (Part-45): 2024
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0024	IS 3025 (Part 37) :2022
30	Total Chromium (as Cr)	mg/L	Max. 0.05	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 52) : 2003
	Biological Testing (Water)	-	-	-	-	-
31	E. coli	/100ml	Shall not be detectable in any 100ml sample	-	Absent	IS 15185: 2016
32	Total Coliform Bacteria	/100ml	Shall not be detectable in any 100ml sample	-	Absent	IS 15185: 2016

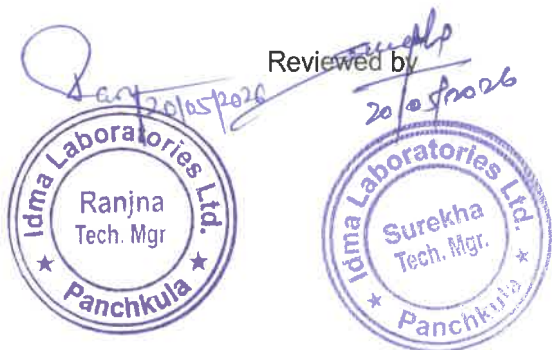
Opinion : N/A

*Declaration w.r.t chlorination:- To be applicable only when water is chlorinated. Tested at consumer end as per IS 10500:2012.

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.

Specific test condition,if any : N/A

Represents details provided by the customer.



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End of Report



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-004	Issue Date	20/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kwar Hydroelectric Project Vill.Padhyarna, Tehsil-Nagseni Dstt. Kishtwar-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (Natural Water)				
Customer's Ref No.& Date #	NIL			Dated#	04/05/2026
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can, DOS-04.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	2 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 20/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Nayghar Nalla				
Date of Sampling	N/A				
Env.Condition during Sampling	N/A				
Sampling Plan,Sampling Method	N/A				
Testing Protocol	IS 10500:2012 Amdt 1 to 4				

RESULTS

S.No.	Test Parameter	Units	Specification		Results	Test Methods
			Acceptable Limit (Max)	Permissible Limit (Max)		
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	Max. 5	Max. 15	<1	IS 3025 (Part 4) : 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
3	pH	-	6.5-8.5	No Relaxation	7.64	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	141.9	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	0.0323	IS 3025 (Part 57) : 2021

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Report No.			140526N-F-004		Issue Date	20/05/2026	Page No. 2/3
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			Acceptable Limit (Max)	Permissible Limit (Max)			
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	65.06	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	24.64	IS 3025 (Part 32) : 2025	
8	Cyanide (as CN)	mg/L	Max. 0.05	No Relaxation	BLQ (LOQ-0.05)	IS 3025 (Part 27) : 1986	
9	Fluoride (as F)	mg/L	Max. 1	Max. 1.5	0.3	IS 3025 (Part 60) : 2008	
10	Total Hardness (as CaCO3)	mg/L	Max. 200	Max. 600	205.44	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	405.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO4)	mg/L	Max. 200	Max. 400	45.59	IS 3025 (Part 24/Sec 1) : 2022	
13	Turbidity	NTU	Max. 1	Max. 5	<1	IS 3025 (Part 10) : 2023	
14	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8) :2023	
15	Free Residual chlorine*	mg/L	Min. 0.2	Min.1.0	BLQ (LOQ-0.1)	IS 3025 (Part 26) : 2021	
	METALS:	-	-	-	-	-	
16	Cadmium (as Cd)	mg/L	Max. 0.003	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 41) :2023	
17	Copper (as Cu)	mg/L	Max. 0.05	Max. 1.5	0.0115	IS 3025 (Part 42) : 2024	
18	Iron (as Fe)	mg/L	Max. 1.0	No Relaxation	0.1146	IS 3025 (Part 53) : 2024	
19	Manganese (as Mn)	mg/L	Max. 0.1	Max. 0.3	0.0046	IS 3025 (Part 59) : 2023	
20	Nickel (as Ni)	mg/L	Max. 0.02	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 54) : 2003	
21	Zinc (as Zn)	mg/L	Max. 5	Max. 15	0.4145	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0359	IS 3025 (Part 55) : 2003	
23	Selenium (as Se)	mg/L	Max. 0.01	No Relaxation	0.0024	IS 3025 (Part 56) : 2003 or IS:15303:2003	
24	Silver (as Ag)	mg/L	Max. 0.1	No Relaxation	BLQ (LOQ-0.0005)	IS: 13428 : 2024	
25	Mercury (as Hg)	mg/L	Max. 0.001	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 48) :2025	
26	Magnesium (as Mg)	mg/L	Max. 30	Max. 100	10.40	IS 3025 (Part 46) :2023	
27	Sodium as Na	mg/L	-	-	32.0	IS 3025 (Part-45): 2024	
28	Potassium as K	mg/L	-	-	15.01	IS 3025 (Part-45): 2024	
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	BLQ	IS 3025 (Part 37) :2022	

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20/05/2026

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TEST REPORT

Report No.			140526N-F-004		Issue Date	20/05/2026	Page No. 3/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
29					(LOQ-0.0005)		
30	Total Chromium (as Cr)	mg/L	Max. 0.05	No Relaxation	BLQ (LOQ-0.0005)	IS 3025 (Part 52) : 2003	
	Biological Testing (Water)	-	-	-	-	-	
31	E. coli	/100ml	Shall not be detectable in any 100ml sample	-	Absent	IS 15185: 2016	
32	Total Coliform Bacteria	/100ml	Shall not be detectable in any 100ml sample	-	Absent	IS 15185: 2016	

Opinion : N/A

*Declaration w.r.t chlorination:- To be applicable only when water is chlorinated. Tested at consumer end as per IS 10500:2012.

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Specific test condition,if any : N/A

Represents details provided by the customer.



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