



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड
एनएचपीसी लिमिटेड (भारत सरकार का एक नवरात उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

Chenab Valley Power Projects Limited

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

सीआईएन / CIN: U40105JK2011GOI003321

किरु जलविद्युत परियोजना
Kiru Hydroelectric Project
Chenab Nagar-II, Kishtwar(J&K)
फोन नं/Phone No:01995-259505
Email: hopkuru@cvppindia.com
gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2026-27/127

Dated: 30.05.2026

Deputy Inspector General of Forests (C),
MoEF&CC,
Sub-Office, Jammu
Plot No. 379-A, Gandhi Nagar,
Jammu (J&K)- 180004
E-mail : iro.jammu-mefcc@gov.in

Sub: Kiru HE Project (624 MW) in District Kishtwar, UT of J&K: Environment Clearance (EC) Compliance Report for the period from October 2025 to March 2026.

Ref: Environment Clearance granted to Kiru HE Project vide letter No. J-12011/32/2008-IA.1 dated 24.06.2016 & Corrigendum dated 29.07.2016.

Sir,

In reference to Environment Clearance accorded to 624MW Kiru Hydroelectric Project vide MoEF&CC communication No. J-12011/32/2008-IA.1 dated 24.06.2016 read with Corrigendum dated 29.07.2016, kindly find enclosed herewith the Environment Clearance (EC) Compliance Report, for the period from October 2025 to March 2026.

Thanking you,

Yours faithfully,

Ramesh
General Manager (I/c) & HOP
Kiru HE Project

Copy for kind information to:

1. Director, Impact Assessment Division-I,
Ministry of Environment, Forests & Climate Change,
Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj,
New Delhi- 110003,
email id: yogendra78@nic.in
2. Group General Manager (Planning), CVPPL Corporate Office, Jammu.

KIRU HE PROJECT (624MW), DISTRICT KISHTWAR, JAMMU AND KASHMIR

Kiru Hydroelectric Project is a run-of-river scheme located in District Kishtwar, UT of Jammu & Kashmir. With installed capacity of 624 MW, the Project has been planned on river Chenab and envisages construction of 123 mtr high (above river bed level) Concrete Gravity Dam and an underground Power House to accommodate 4 units of 156 MW each.

1. Status of Clearances:

Clearance	Status
Techno-Economic Appraisal by CEA	TEA accorded by CEA vide letter no. 2/NHPC/54/CEA/2006-PAC/652-86 dated 13.06.2016.
Forest Clearance (by J&K State Govt.)	Forest Clearance has been accorded by Govt. of J&K on 19.05.2016 for diversion of 82.05 Ha Forest land.
Environment Clearance	Accorded by MoEF&CC vide letter No. J-12011/32/2008-IA-1 dated 24.06.2016.
Indus Water Clearance	IWT clearance has been accorded by MoWR (RD&GR), Indus Wing on 24.10.2016.
PIB/CCEA Clearance	Investment Approval for construction of 624MW Kiru Hydro-Electric Project was conveyed by MOP vide letter dated 08.03.2019.
R&R Plan Approval	R&R Plan of the Project has been approved by Govt. of Jammu and Kashmir vide Order No. 11-DMRR&R of 2019 dated 07.03.2019.

2. Status of construction activities

All the three packages for major construction works of Kiru HE Project were awarded in 2020 as per following details.

Civil Works Package (Lot I)	Awarded to M/s Patel Engineering Ltd. vide letter dated 24.02.2020 and Contract Agreement signed on 15.06.2020.
Hydro-Mechanical Package (Lot II)	Awarded to M/s PES Engineers Pvt. Ltd. vide letter dated 24.02.2020 and Contract Agreement signed on 11.06.2020.
Electro-Mechanical Package (Lot III)	Awarded to M/s Andritz Hydro Pvt. Ltd. vide letter dated 24.02.2020 and Contract Agreement signed on 22.06.2020.

Overall physical progress 82.20% has been achieved (March 2026).

3. Status of Land Acquisition

Final Award for acquisition of land measuring 1750 Kanal 17 Marla (87.5425 Ha) for construction of the Project was issued by Collector, Land Acquisition, Kishtwar on 01.07.2017 and the Supplementary Award for Trees and Structures involved therein was issued on 11.06.2019. An amount of Rs 32.47 Crore (Rs. 26.94 Crore for land + Rs. 5.53 Crore for trees and structures) was deposited with Collector, Land acquisition, Kishtwar for disbursement to land owners. Full compensation amount stands disbursed to rightful land owners and utilization certificate to this effect has been issued by Collector Land Acquisition.

4. Status of R&R Plan Implementation

R&R Plan was approved by GoJK vide Government Order No. 11-DMRR&R of 2019 dated 07.03.2019 for a financial provision of Rs. 99.56 Crore. An amount of Rs. 55.00 Crore has been deposited with the Office of Commissioner R&R, out of which an amount of **Rs. 53.39 Crore** has been utilised for implementation of approved Plan (i.e. **Rs. 35.0441 Cr** disbursed to eligible PAFs, **Rs. 16.05739 Cr** utilized for infrastructure development and **Rs. 2.2979 Cr** utilised for skill development of PAFs). Further, implementation of approved R&R Plan is under progress.

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KIRU HE PROJECT (624MW), DISTRICT KISHTWAR, JAMMU AND KASHMIR**SIX MONTHLY ENVIRONMENT CLEARANCE COMPLIANCE REPORT**

(for the period from October 2025 to March 2026)

1	Name of Project	Kiru Hydro-Electric Project (624 MW)																														
2	Type of Project	Hydro-Electric Project																														
3	Clearance letters OM No. & date (a) Environment Clearance (b) Forest Clearance	(a) Letter No. J-12011/32/2008-IA.1 dated 24.06.2016 & Corrigendum dated 29.07.2016. (b) Order No. 143-FST of 2016 dated 19.05.2016 of Govt. of Jammu and Kashmir (for 82.05 Ha land)																														
4	Locations (a) District (s) (b) State (c) Latitude (d) Longitude	(a) Kishtwar (b) UT of Jammu and Kashmir (c) 33°20'37"N (d) 75°57'34"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 Manager (I/c) & HoP Kiru HE Project, Chenab Valley Power Projects Ltd., Chenab Nagar-II, District Kishtwar, UT Jammu and Kashmir Pin code- 182 206 Telephone: - 01995-259505 email : gmkkcvpp@gmail.com, hopkiru@cvppindia.com (b) Managing Director, Chenab Valley Power Projects Ltd., Chenab Jal Shakti Bhavan, Opposite Saraswati Dham, Rail Head Complex, Jammu (UT J&K); Pin code 180 012 Phone/ Fax: 0191 2479826/ 2479835																														
6	Details of Environmental Management Plan	Environmental Management Plans to be implemented at the Project are: <table><tr><th>S.No.</th><th>EMP</th></tr><tr><td>1.</td><td>Biodiversity Conservation & Management Plan</td></tr><tr><td>2.</td><td>Catchment Area Treatment Plan</td></tr><tr><td>3.</td><td>Fisheries Development Plan</td></tr><tr><td>4.</td><td>Solid Waste Management Plan</td></tr><tr><td>5.</td><td>Public Health Delivery System</td></tr><tr><td>6.</td><td>Energy Conservation Measures</td></tr><tr><td>7.</td><td>Muck Disposal Plan</td></tr><tr><td>8.</td><td>Landscaping & restoration Plan</td></tr><tr><td>9.</td><td>Air & Water Management Plan</td></tr><tr><td>10.</td><td>Reservoir Rim treatment Plan</td></tr><tr><td>11.</td><td>Compensatory Afforestation plan</td></tr><tr><td>12.</td><td>Rehabilitation & Resettlement Plan</td></tr><tr><td>13.</td><td>Environmental Monitoring Programme</td></tr><tr><td>14.</td><td>Disaster Management Plan</td></tr></table>	S.No.	EMP	1.	Biodiversity Conservation & Management Plan	2.	Catchment Area Treatment Plan	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
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7	Breakup for Project area (Land details)	Forest Land: 82.05 ha Private Land: 36.93 ha State Land: 50.61 ha River Bed land (State land): 61.00 ha Total Land: 230.59 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 : 03 Displaced PAFs : 93 Non Displaced PAFs : 66 Total PAFs : 159 (a) Scheduled Tribe : 140 families PAF details as per title verification by Revenue Department for final disbursement of compensation and R&R benefits: Displaced PAFs : 92 Non Displaced PAFs : 59 Total PAFs : 151 Scheduled Tribe : 69 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	TEA approved cost :Rs. 4640.88 Cr (Sept 2014 PL) CCEA approved cost :Rs. 4287.59 Cr (July 2018 PL) Actual expenditure: Rs. 3654.26 Crore (till March 2026) Allocations for EMP: Rs. 162.43 Crore (as approved by MoEF&CC) Actual expenditure incurred on EMP (till March 2026): <table border="1"> <thead> <tr> <th>S. No.</th><th>Component</th><th>Expenditure (Rs. in Lacs)</th></tr> </thead> <tbody> <tr> <td>i.</td><td>Payment released on account of Forest Clearance (including Rs. 114.87 Lac on account of Compensatory Afforestation Plan)</td><td>944.63</td></tr> <tr> <td></td><td>Payment released towards extraction of Forest Trees</td><td>52.99</td></tr> <tr> <td>ii.</td><td>Implementation of R&R Plan (deposited with Commissioner R&R)</td><td>5500.00</td></tr> <tr> <td></td><td>Skill Mapping and formulation of Skill Development Plan</td><td>4.06</td></tr> <tr> <td>iii.</td><td>Fisheries Development Plan</td><td>798.59</td></tr> <tr> <td>iv.</td><td>Biodiversity Management Plan (payment released on 25.11.2024)</td><td>139.80</td></tr> <tr> <td>v.</td><td>Catchment Area Treatment Plan (payment released into CAMPA Fund on 26.03.2025)</td><td>1883.27</td></tr> <tr> <td>vi.</td><td>Landscaping & Restoration Plan</td><td>91.96</td></tr> <tr> <td>vii.</td><td>Public Health Delivery System*</td><td>501.64</td></tr> <tr> <td>viii.</td><td>Energy Conservation Measures*</td><td>1173.47</td></tr> <tr> <td>ix.</td><td>Muck Disposal Plan</td><td>738.45</td></tr> <tr> <td>x.</td><td>Air & Water Management Plan* #</td><td>21.06</td></tr> <tr> <td>xi.</td><td>Solid Waste Management Plan*</td><td>436.53</td></tr> <tr> <td>xii.</td><td>Disaster Management Plan</td><td>187.08</td></tr> <tr> <td>xiii.</td><td>Environmental Monitoring Programme</td><td>0.45</td></tr> <tr> <td></td><td>Total</td><td>12473.98</td></tr> </tbody> </table> * 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 Rs. 500.41 Lac incurred by contractor under contract provisions for dust suppression measures in project area.	S. No.	Component	Expenditure (Rs. in Lacs)	i.	Payment released on account of Forest Clearance (including Rs. 114.87 Lac on account of Compensatory Afforestation Plan)	944.63		Payment released towards extraction of Forest Trees	52.99	ii.	Implementation of R&R Plan (deposited with Commissioner R&R)	5500.00		Skill Mapping and formulation of Skill Development Plan	4.06	iii.	Fisheries Development Plan	798.59	iv.	Biodiversity Management Plan (payment released on 25.11.2024)	139.80	v.	Catchment Area Treatment Plan (payment released into CAMPA Fund on 26.03.2025)	1883.27	vi.	Landscaping & Restoration Plan	91.96	vii.	Public Health Delivery System*	501.64	viii.	Energy Conservation Measures*	1173.47	ix.	Muck Disposal Plan	738.45	x.	Air & Water Management Plan* #	21.06	xi.	Solid Waste Management Plan*	436.53	xii.	Disaster Management Plan	187.08	xiii.	Environmental Monitoring Programme	0.45		Total	12473.98
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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 82.05 Ha forest land accorded by Govt. of Jammu and Kashmir vide Order No. 143- FST of 2016 dated 19.05.2016. (b) Clear felling status: - Tree felling at work sites has been completed by J&K Forest Corporation. The diverted forest land has been taken over from Forest Department on 14.03.2018.																																																			

11	Status of Construction (a) Date of commencement (actual and/or planned) (b) Date of completion (actual and/or planned)	(a) Date of commencement of major works of the Project : 24.02.2020. (b) Date of completion: Dec. 2026 / Jan. 2027.
12	Reasons for the delay (If the Project is yet to be started)	After Investment approval from GOI in March 2019, the major Project works have been awarded in February 2020 and the construction activities are in progress.
13	Details of Site visits (a) By Monitoring Committee (b) By Regional Office	Visit by MDMC: Site visit & Meeting of MDMC was conducted on 19.02.2026 and the Minutes of Meeting stand issued on 24.03.2026 (Annexure-I-a). Site visit conducted by Deputy Director, Sub Regional Office, Jammu on 11.05.2024. Monitoring Report dated 06.09.2024 was forwarded by Sub Regional Office to MoEF&CC and thereafter a Show Cause Notice dated 24.10.2024 was issued by MoEF&CC. Point-wise reply to Show Cause Notice was submitted to MoEF&CC vide letter dated 22.11.2024. Subsequently, Deputy Director, Sub Regional Office, Jammu again conducted site inspection on 11.07.2025 and submitted the SCN Review Report to MoEF&CC on 01.09.2025. Personal hearing before JS MoEF&CC was held on 07.01.2026. Minutes of personal hearing issued on 27.01.2026 (Annexure-I-b). Actions as desired in MoM are being undertaken to ensure compliance.
14.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	Details are enclosed as Annexure-II .



STATUS OF COMPLIANCE OF THE CONDITIONS STIPULATED BY MoEF&CC, GOVT. OF INDIA

(Environment Clearance letter No. J-12011/32/2008-IA-1 dated 24.06.2016 and Corrigendum to EC dated 29.07.2016)

S.No.	Conditions	Compliance Status
	Specific conditions	
i	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. Financial allocation of Rs. 1883.82 lakhs for CAT plan implementation shall be fully utilized and the same shall not be diverted for any other purpose. As per CAT plan, the area of CAT is 1849.28 ha.	Being Complied. The CAT Plan was got revised (through a NABET accredited consultant) in consultation with Forest Department and Soil & Water Conservation Department, as per the instructions of PCCF (HoFF), J&K Forest Department and the same was submitted to J&K Forest Department for approval of the competent authority on 04.09.2024. 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. 1883.27443 lacs was received vide DFO Kishtwar letter dated 21.03.2025. The requisitioned funds were deposited into CAMPA Account on 26.03.2025. As per Minutes of review meeting chaired by PCCF (HOFF), J&K Forest Department held on 22.08.2025, the plan was approved by Executive & Steering committees of J&K CAMPA and was submitted to National CAMPA for approval (Annexure-II-a). Forest Department was requested to provide current status vide letters dated 14.07.2025, 28.10.2025 and 18.04.2026. (Annexure-II-b) As informed by DFO Kishtwar vide latest communication dated 22.05.2026 an outlay of Rs. 219.60 lacs has been approved for FY 2025-26, against which an expenditure of 10.275 lacs has been incurred upto 31.03.2026 (Annexure-IIc)
ii	R&R benefits for the land losing households will be as per NRRP-2007 & J&K state Govt. Adequate publicity of the compensation package should be circulated in the affected villages. However, this is to be compared with the state Rehabilitation and Resettlement policy, and the more beneficial policy is to be adopted for the PAF's. All R&R issues shall be completed before commissioning of the project.	Being Complied The R&R plan of Kiru HE Project was approved by Govt. of J&K vide order dated 07.03.2019 upon the recommendation of Empowered Committee. The Deputy Commissioner, Kishtwar was also appointed as Commissioner R&R for implementation of the approved plan vide the same Govt. Order. R&R Plan, as approved by GoJK, is being implemented by Commissioner R&R appointed by

S.No.	Conditions	Compliance Status
		GoJK. Approved cost of R&R plan is Rs. 99.5622 Crore including the cost of Rs. 28.87 Crore towards infrastructure development component, Rs. 17.48 Crore towards skill development component and Rs. 2.50 Crore towards monitoring and evaluation. Implementation of R&R Plan: An amount of Rs. 55.00 Crore stands deposited with Commissioner R&R (upon requisition from Commissioner R&R) for implementation of the approved plan. Out of this, an amount of Rs. 53.39 Crore has been utilized for R&R Plan implementation by the office of Commissioner R&R (i.e. Rs. 35.0441 Cr disbursed to eligible PAFs, Rs. 16.05739 Cr utilized for infrastructure development and Rs. 2.2979 Cr utilised for skill development of PAFs). Infrastructure Development Component: All the works (21 nos.) under Infrastructure development component for total amount of Rs. 2887.00 lacs were approved by the Empowered Committee, out of which 14 works costing 1338.64 lacs have been completed and remaining 07 works are under different stages of execution. Against, total approved cost of Rs. 2887.00 lacs an amount of Rs. 1605.739 lacs has been utilized. Skill Development Component: Implementation of skill development plan is in progress and so far an amount of Rs. 2.2979 Cr has been utilised for skill development of PAPs. • Total persons trained (females) through Handicrafts Department = 40 (crochet work =20, cutting & tailoring = 20). • Persons undergoing training in ITI Kishtwar = 22 (plumber = 09, electrician = 09, COPA = 04) • Persons admitted in paramedical courses = 05 (Anesthesia Technician = 01, D-Pharmacy = 02, GNM Course = 02) The details as received from Commissioner R&R/Deputy Commissioner Kishtwar vide communication dated 14.02.2026 are enclosed as Annexure-II-d.

S.No.	Conditions	Compliance Status
iii	Implementation of R&R plan shall have to be closely monitored by the state authority and is to be ensured that all PAF's shall get adequate & timely compensation.	Being complied. GoJK constituted the Empowered Committee under the chairmanship of Chief Secretary, GoJK for finalization, monitoring and implementation of R&R Plan of Kiru HE Project vide G.O. No. 1088-GAD of 2017 dated 24.08.2017. Implementation of R&R Plan is being reviewed from time to time by Disaster Management, Relief, Rehabilitation and Reconstruction (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. The details regarding status of implementation of R&R Plan, as received from Commissioner R&R/Deputy Commissioner Kishtwar, are attached above as Annexure-II-d.
iv	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons from SC/ST category and a woman beneficiary.	Complied. Project, vide communications dated 14.07.2025, 28.10.2025 and 20.12.2025 had requested Deputy Commissioner Kishtwar for constitution of the monitoring committee as per specified EC condition (Annexure-II-e). R&R Monitoring Committee has been constituted by Deputy Commissioner Kishtwar vide Order dated 02.02.2026 (Annexure-II-f). First meeting of R&R Monitoring Committee was held on 10.04.2026. Minutes of the Meeting are awaited from the office of Deputy Commissioner Kishtwar.
v	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	Being Complied R&R Plan was formulated by District Administration after consultations with all stake holders and duly considering the aspirations and demands of local people and as such the approved R&R Plan includes a provision of Rs. 28.87 Crore earmarked for development of infrastructure and social & community development activities in the local area. 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. All the works (21 nos.) under Infrastructure development component for total amount of Rs. 2887.00 lacs were approved by the Empowered

S.No.	Conditions	Compliance Status
		Committee, out of which 14 works costing 1338.64 lacs have been completed and remaining 07 works are under different stages of execution. Against, total approved cost of Rs. 2887.00 lacs an amount of Rs. 1605.739 lacs has been utilized. The details as received from Commissioner R&R/Deputy Commissioner Kishtwar vide communication dated 14.02.2026 are attached above as Annexure-II-d.
vi	A minimum environmental flow of 16.33 cumec (20%) during lean season (December to March), 73.37 cumec (10%) during monsoon season (June to September) and 16.62 cumec (10%) during remaining four months (October – November & April – May) shall have to be maintained. Continuous monitoring system for the flow 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. Continuous monitoring system for flow measurement shall be installed and further, six monthly results/ data shall be submitted to Regional Office of the Ministry.
vii	Dumping and consolidation/compaction of the muck shall be carried-out 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 25.78 lakh cubic meter of muck to be generated, 8.36 lakh cubic meter will be utilized for construction purpose and remaining 17.42 lakh cubic meter will be dumped at four designated disposal sites in an allocated area of 28.22 ha. The dumping sites shall be more than 30m away from the HFL of the river & the toe walls for muck disposal sites shall be constructed at least 30m away from HFL of river. Allocated grant of Rs. 1697.57 lakhs shall be fully utilized and not to be diverted for any other purpose.	Being complied The suitable portion of excavated muck is being utilized by the Contractor in the construction activities as proposed in the EMP. Part of excavated muck is also being utilized in the construction of retaining structures, approach roads, job facility areas, etc. The disposal of unusable muck at designated muck dumping sites is being carried out as per the Muck Disposal Plan. The dumping sites have been protected by providing adequate protection walls to avoid spillage of muck. Further, plantation for restoration of muck disposal sites is also in progress.
viii	Proposed Compensatory Afforestation Programme in 164.10 ha of degraded forest area shall be undertaken in consultation with State Forest Department. Allocated grant of Rs. 1036 lakh shall be fully utilized and not to be diverted for any other purpose.	Complied An amount of Rs 9.446 Crore was deposited with J&K Forest Department for diversion of 82.05 Ha of Forest land including Rs. 1.1487 Crore towards Compensatory Afforestation. The Compensatory Afforestation works stand completed by the Forest Department in the year 2021-22 and utilization certificate to this effect has also been provided by DFO Kishtwar.
ix	To enhance the quality of environment of project site, green belt, as proposed in EMP report, shall be developed. The proposed green belt along the	Being complied Presently the project construction works are in full swing and sites/locations are not available for green

S.No.	Conditions	Compliance Status
	project appurtenances shall be undertaken in consultation with State Forest Department. The allocated budget of Rs 28.78 lakhs shall be fully utilized for this purpose and not to be diverted for any other purpose.	belt development. However, plantation activities are being carried out at the available places in project area.
x	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 139.80 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. 620.17 lakhs should be fully utilized and shall not be diverted for any other purpose.	Being Complied The demand of funds for implementation of Biodiversity Conservation and Management Plan was received from DFO Kishtwar vide letter dated 15.10.2024. The full amount of Rs. 139.80 was deposited into CAMPA Account on 25.11.2024. As per Minutes of review meeting chaired by PCCF (HOFF), J&K Forest Department held on 22.08.2025, the plan was approved by Executive & Steering committees of J&K CAMPA and was submitted to National CAMPA for approval (Annexure-IIa). Forest Department was requested to provide current status vide letters dated 14.07.2025, 28.10.2025 and 18.04.2026 (Annexure-II-g). As informed by DFO Kishtwar vide latest communication dated 22.05.2026 an outlay of Rs. 8.40 lacs has been approved for FY 2025-26, against which no expenditure has been incurred upto 31.03.2026 (Annexure-II-h). Shall be complied The reservoir rim treatment works shall be completed prior to reservoir filling.
xi	The Fisheries Development Plan as proposed in the EMP shall be implemented completely in consultation 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 has planned to set up a joint fish farm for Kiru, Kwar and Kirthai-II HE Projects at village Kijai near Gulabgarh. Demand of funds for implementation of Fisheries Development Plan was received from J&K Fisheries Department vide letter dated 31.05.2024, in pursuance to which full amount of Rs. 798.59 lacs was released in favour of J&K Fisheries Department on 22.07.2024. The matter is being regularly pursued with Fisheries Department for implementation of the Plan. Fisheries Deptt. was requested to provide current status vide letters dated 14.07.2025, 28.10.2025 and 18.04.2025 (Annexure-II-i).

S.No.	Conditions	Compliance Status
		Assistant Director Fisheries Kishtwar vide communication dated 29.05.2025 and report dated 23.05.2026 (Annexure-II-j) has intimated that against deposited amount of Rs. 798.59 lakh an amount of Rs. 274 lakh was released to Collector Land Acquisition Padder for acquisition of land and that the said 39 kanal land has been acquired and handed over to Fisheries Department. Further that after accord of Administrative Approval the DPR has been submitted to Executive Engineer, PWD(R&B) Division Padder who has further hired consultancy for architectural designs for establishment of Fish Farming Project at Kijai Padder.
xi(a)	The total project cost is Rs. 4640.88 crores and EMP budget is Rs 147.32 crores is about 3.2%. The overall EMP budget should be raised to 3.5% (i.e 162.43 crores) of the project cost.	Complied MoEF&CC itself increased the EMP budget from Rs. 147.32 Crores to Rs. 162.43 Crores by provisioning additional amount of Rs. 15.1073 Crores for Skill Mapping and Development Plan (as per the minutes of 91 st meeting of EAC).
xii	As mentioned in EIA, 15 coldwater fish species have been identified in the river stretches including 2 exotic species, therefore, e- flow to be maintained for the downstream river depth, wetter perimeter, water quality and minimize fluctuation in ambient temperature during extreme conditions.	Shall be complied The stipulated seasonal e-flows, as specified in the EC letter shall be maintained during Project operation.
xiii	To maintain flourishing fish population/communities in the river, the river must witness all seasonal changes including low flow levels during lean season to maximum during monsoon/floods/high rains.	Shall be complied with release of the stipulated e-flows during Project operation.
xiv	Skill mapping of the area to be conducted, mentioning the skills inherent of the local people, skill requirement of the project and the best ways to develop the skills in the local people so that the locals can be employed in the project.	Being complied Skill mapping of the Project Affected Families was carried out and accordingly, the Skill Development Plan was got formulated through consultant. The Skill Mapping and Development Plan was submitted to Commissioner R&R, Kiru HEP (Deputy Commissioner, Kishtwar) on 28.09.2019. The plan is being implemented as a component of R&R Plan by Commissioner R&R i.e. Dy. Commissioner, Kishtwar. An amount of Rs. 17.48 Crore is available in the approved R&R plan for implementation of Skill Development Plan, out of which, an an amount of Rs. 2.2979 Cr has been utilised for skill development of PAPs. As per the latest information:

S.No.	Conditions	Compliance Status
		• Total persons trained (females) through Handicrafts Department = 40 (crochet work =20, cutting & tailoring = 20). • Persons undergoing training in ITI Kishtwar = 22 (plumber = 09, electrician = 09, COPA = 04) • Persons admitted in paramedical courses = 05 (Anesthesia Technician = 01, D-Pharmacy = 02, GNM Course = 02) The details as received from Commissioner R&R/Deputy Commissioner Kishtwar vide communication dated 14.02.2026 are enclosed above as Annexure-II-d.
xv	Use of 82.05 ha of forest land for construction of Kiru HEP by CVPP has been granted by Govt. of J&K vide no. 143-FST of 2016 dated 19.05.2016. The project proponent shall adhere to terms and conditions of this Government order strictly.	Being Complied. Conditions stipulated in Forest Clearance letter are being complied.
xvi	Any other clearances required from any other concerned authorities should be obtained before commencement of works and commissioning of the project, as applicable.	Being complied
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 provision is included in the contract agreement with major works contractors and is being implemented accordingly by the contractors. Common mess facilities have been established by the Contractors for labourers wherein LPG is being used as fuel. Contractors are providing free fuel (LPG) and manpower in these common mess facilities.
ii	Medical facilities as well as recreational facilities shall also be provided to the labourers.	Being complied Six dispensaries (one by PP and five by Contractors) have been established in the residential and work areas. Two doctors (one by PP and one by Contractor) with paramedical staff are available for proper healthcare of workers and staff. Further, four ambulances (one by PP and three by Contractors) are also available round the clock at project site. These medical facilities are also being utilized by the local population of nearby villages. Recreational facilities for labourers and staff viz. Indoor recreation rooms with TV, carrom and chess facilities, Televisions in Common Mess Halls and

S.No.	Conditions	Compliance Status
		outdoor game facilities with volleyball courts have been provided by the major works contractors. One gym facility has also been established by PP.
iii	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 checkup during construction period may also be taken up.	Being complied Health checkup of the labourers is being done by the Contractor before engaging them in the project construction work. Periodic health checkup of the labourers engaged for the major construction work is also being done by the Contractor at project site.
iv	Water sprinkling arrangements shall be made to suppress fugitive emissions/ dust.	Being complied The same has been included in the contract agreement and is being complied by the Contractor. The arrangements for sprinkling of water to control dust emission are in place. Adequate number of water tankers have been 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. Also, 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. Potable drinking water and sanitation facilities are in place. Disposal of organic waste is being done through composting. Paper and plastic waste is being managed through recycling. Sufficient number of waste bins have 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 /metal waste is being recycled by the contractor through scrap dealers. Single use plastic is prohibited in the project area. Two STPs of 6KLD each have been installed for residential and office complex of Kiru HEP (i.e. PP) at Pathernakki.
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 planted to develop good greenery in the area.	Being complied The restoration works have been started, as per site availability, and are in progress. Plantation is also being carried out at available sites to develop greenery in project area.



S.No.	Conditions	Compliance Status
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 sampling & monitoring of environmental quality parameters at Project sites for Ambient Air quality, Water quality and Noise levels is being carried out through accredited laboratory. The latest monitoring reports of environmental quality parameters are enclosed herewith as Annexure-III.
viii	Solid waste management & sanitation facility will have to be provided for the labour force.	Being complied The same has been included in the contract agreement and is being complied by the Contractor. Adequate arrangements for sanitation and solid waste management are in place. Sanitation drives are undertaken periodically by the Contractor. Sufficient number of waste bins have 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.
ix	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 was formulated (and approved by MOEF&CC) considering the dam breach scenario. Three Early Flood Warning Systems (EFWS) have been installed upstream of Kiru HE Project at following locations: - Village Layee in Gulabgarh, Padder (about 20Km upstream of Kiru Dam Axis). - Village Gulabgarh, Padder (on river Chenab about 29Km upstream of Kiru Dam Axis). - Village Massu, Padder (on Bhut Nallah about 33Km upstream of Kiru Dam Axis). The EFWSs provide real time online information regarding the water levels and water discharge. Further, three V-SAT communication systems have also been installed (one at Kishtwar, one at project site Pathermakki and one at village Layee) for maintaining proper communication link in case of disasters. Control Room has been established at Project level. Further, District Disaster Management Plan is already

S.No.	Conditions	Compliance Status
		in place under the designated DDMA (with District Level Control Room and designated Disaster Response Committees). Fresh studies for Dam Break Modelling, Emergency Action Plan and Hazard Classification are being undertaken prior to reservoir filling. Rest of the measures shall be finalised and implemented as per latest NDMA guidelines and in consultation with DDMA, coinciding with advancement in project construction/ commissioning.
x	An Environmental Management Cell (EMC) shall be constituted 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 25.05.2018.
Other Conditions mentioned in the EC Letter		
5.	The project proponent shall provide full cooperation and provide all requisite documents/data to the officials from concerned Regional Office of the Ministry who would be monitoring the implementation of environmental safeguards and to undertake inspection.	Being complied
7.	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.	Being complied
8.	The EMP shall be strictly adhered to and a sum of Rs. 162.43 Crores, the budgetary provisions for the implementation of EMP, shall be fully utilized and shall not be diverted for any other purpose.	Being complied
9.	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.	Shall be complied (in case of requirement)
12.	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.	Complied

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S.No.	Conditions	Compliance Status
14.	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of the clearance letters are available with State Pollution Control Board/Committee and may also be seen at website of Ministry of Environment, Forest & Climate Change at http://www.moef.nic.in .	Complied. Advertisement was published in two newspapers viz: 1. Daily Excelsior (English) dated 30.06.2016 and 2. Daily Udaan (Urdu) dated 30.06.2016.
15.	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 reports regarding compliance of the EC conditions are being timely submitted.
16.	After five 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
17.	A Multi Disciplinary Committee for monitoring the implementation of environmental safeguards during construction shall be constituted by the project proponent in consultation with the MoEF&CC, New Delhi within six weeks of the issue of the EC letter. The committee shall meet every six month to review the status of implementation of EC conditions in general and monitoring of E-flow and stability and effectiveness of muck dumping sites in particular.	Being Complied Constitution of MDMC was approved by MoEF&CC vide letter dated 09.07.2018 with amendment dated 02.05.2019. MDMC members were requested vide letters dated 07.03.2020 and 11.05.2021 for scheduling the meeting of the Committee. However, the meeting could not be held earlier. Subsequently, in pursuance to Meeting Notice dated 31.01.2026 the first meeting and site visit by MDMC was held on 19.02.2026. Minutes of the MDMC Meeting have been issued and conveyed to all committee members including SRO-Jammu vide communication dated 24.03.2026 (Annexure – I-a).

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चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

Chenab Valley Power Projects Limited

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

सीआईएन / CIN: U40105JK2011GOI003321

Annexure-I-a

किरु जलविद्युत परियोजना
Kiru Hydroelectric Project
Chenab Nagar-II, Kishtwar(J&K)
फोन नं/Phone No:01995-259505
Email: hpkiru@cvppindia.com
gmkkevpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 919

Date: 24.03.2026

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 624 MW Kiru HE Project.

Ref: Meeting Notice No. CVPPL/Kiru/GM(I/c)/2025-26/798 dated 31.01.2026.

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 Kiru Hydroelectric Project (624MW), Kishtwar.

Thanking you.

Yours sincerely,

Encl: As Above.

Rameshwar
24/03/26
Head of Project
Kiru H.E Project

Copy for information to:

1. Prof. Anil Kumar Raina, Deptt. of Environmental Sciences, University of Jammu-anilkraina@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. Wildlife Warden, Kishtwar, J&K – wildlifeprotectionkishtwar@gmail.com.
6. Assistant Director Fisheries, J&K Fisheries Department, Kishtwar adfkr@gmail.com.
7. 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 KIRU HYDROELECTRIC PROJECT (624MW), KISHTWAR

The first meeting of Multidisciplinary Monitoring Committee (MDMC) of Kiru HE Project (624MW) was held on 19.02.2026 at project site Pathernakki, Kishtwar under the Chairmanship of Sh. Ramesh Ojha, General Manager (HOP), Kiru HE Project, CVPP Limited. All the members of the Committee, except two members, attended the meeting including Dr. Khursid Alam Khan, Deputy Director, Sub-Office, Jammu of MOEF&CC and other committee members/their representatives. The list of participants is enclosed as **Annexure-I**.

At the onset, Chairman of the Committee, 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 Environment Clearance Conditions. The same was presented by Dr. Ravi Sharma, Senior Manager (Environment), Kiru HE Project. During the presentation, detailed discussions were held on various aspects of the implementation and compliances under EMP.

Detailed deliberations of the meeting are 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. 139.80 lakh has been kept for implementation of Biodiversity Conservation & Management Plan and the same has been deposited in NCAMPA Account in December, 2024. The Plan is to be implemented in a phased manner over a period of four years.

It was further apprised that DFO, Kishtwar Forest Division vide communication dated 12.02.2026 has informed that an amount of Rs. 27.40 lakh has been approved in current APO (FY 2025-26) under Biodiversity Conservation & Management Plan for the FY-2025-26. 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 the UC has not 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 authorities for further submission to MoEF&CC.

2. Catchment Area Treatment (CAT) Plan

Committee was apprised that a provision of Rs. 1883.82 lakh is kept in the EMP of Kiru HE Project. As per the directions of PCCF (HoFF), J&K, CAT Plan of Kiru HE Project was revised. The revised CAT Plan with Financial Implication of Rs. 1883.27443 lakh was approved by the PCCF (HoFF), J&K. Funds as approved in the revised CAT Plan have been deposited in NCAMPA Account in March, 2025. The revised CAT Plan of Kiru HE Project is to be implemented in a phased manner over a period of 13 years.

In his regard, DFO, Kishtwar Forest Division vide communication dated 12.02.2026 has intimated that an amount of Rs.122.28 lakh has recently been received by Kishtwar Forest

Division for the FY-2025-26 and estimation, administrative approval, technical sanction for the work to be executed is under process.

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 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 has deposited full amount of Rs. 798.59 lakh with J&K Fisheries Department in July 2024.

Assistant Director, Fisheries, Kishtwar has informed that land acquisition for establishment of the Fish Farm is in progress and an amount of Rs. 274.00 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. 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 authorities for further apprising to MoEF&CC.

4. Compensatory Afforestation (CA) Plan

It was apprised to the committee that an amount of Rs. 997.618 lakh was deposited at the time of Forest Clearance towards various compensatory levies including CA, COT, NPV, Tree Extraction Charges, etc. for the diversion of 82.05 ha Forest Land required for the Project. The above amount includes Rs. 114.87 lakh against compensatory afforestation. Utilization certificate has been furnished by Forest Department with intimation that the CA works have been executed and completed in FY 2020-21 and 2021-22.

The details of CA activities undertaken and geotagged photographs of some CA works provided by Forest Department were also presented before the Committee.

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

5. Solid Waste Management Plan

Committee was informed that a provision of Rs. 207.60 lakh has been earmarked in EMP for solid waste management. The plan is being implemented by Kiru HE Project for its offices & residential areas 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 through scrap dealers and the organic waste is being managed through composting. It was also informed to the Committee that Kiru HEP has also installed two STPs of 6 KLD each for its residential and office area at project site. Till December 2025 an expenditure of Rs. 399.004 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 Civil Works Contractor M/s PEL informed that the bio-composters 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 compost pits 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 / Bio-Digesters 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 actual site-specific requirements and to inform all concerned departments about any such change.

As such, the Project Proponent 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.

6. Public Health Delivery System

The committee was informed that an amount of Rs. 460 lakh has been earmarked under Public Health Delivery System plan of Kiru HE Project and the plan is being implemented by Kiru HEP and by the Contractors.

The committee was apprised that 06 dispensaries / Medical Aid Units (i.e. 05 by Contractors and 01 by Project) have been established with availability of 02 doctors (i.e. 01 by Civil Works Contractor and one by Project) and paramedical staff. Three ambulances (i.e. 02 by Civil Works Contractor and 01 by Project) are also available 24x7 at project site. The medical facilities are also being availed by local population of adjoining villages.

It was also informed that recreational facilities viz. Indoor recreation rooms with TV, carrom, chess, ludo facilities, Televisions in Common Mess Halls and outdoor game facilities with volleyball courts have been provided by the major works contractor at project site. One Gym facility has also been established by Kiru HEP at project site.

Apart from these, regular health checkups, potable drinking water and sanitation facilities are also being provided through major contractors as per the contract provisions.

Till date, an expenditure of Rs. 470.75 lakh has been incurred (including expenditure by Contractor as per contractual provisions).

7. Energy Conservation Measures

It was informed to the committee that a provision of Rs. 75.00 lakh 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. 1107.77 lakh including expenditure by Contractor as per Contract Provisions, has been incurred till December 2025. The expenditure incurred, includes cost towards mess establishment, manpower and free fuel.

8. Muck Disposal Plan

Committee was informed that a provision of Rs. 1697.57 Lakh has been earmarked 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. The dumping sites have been protected by providing adequate protection walls to avoid spillage of muck. Total expenditure of Rs. 725.22 Lakh has so far been incurred on construction of retaining walls at muck disposal sites.

Committee was apprised that out of total 12.25 lac Cum of muck generated, 10.86 lac Cum has been utilized and remaining 1.39 lac Cum has been disposed off at designated sites. Four permanent and two temporary muck disposal sites are designated for Kiru HEP, out of which, two temporary dumping sites (with area of 3.0 ha), located in Pot-Head Yard area were earlier used for muck stacking/re-handling, have been closed and properly protected. These temporary sites are now being used for further construction of Switch Yard and other allied project infrastructure.

Permanent Dumping site – D1 (area 15.62 ha, capacity 6.93 lac Cum) is in use with 4519 Cum of muck dumped so far and the site is properly protected.

Permanent Dumping site – D2 (area 3.00 ha, capacity 1.70 lac Cum) has been closed after deposition of 62993 Cum of muck. Protection walls have been provided. Additional

protection has also been provided below toe wall. Plantation and seed sowing has been done for slope stabilization of dumped material. Further, it was informed that a contour drain along hill side shall also be constructed to avoid entry of run-off water.

Permanent Dumping site – D3 (area 7.60 ha, capacity 7.53 lac Cum) has not been used so far and shall be used if required.

Permanent Dumping site – D4 (area 2.00 ha, capacity 2.01 lac Cum) shall not be used.

Regarding Disposal Site-D2, Prof. Anil K Raina and DFO Kishtwar inquired about the plant species used for biological restoration. To this, Committee was informed that Kiru HEP has established its own nursery from which the saplings of *Dodonaea viscosa*, *Aesculus indica*, *Robinea pseudoacacia*, *Ailanthus excelsa*, *Catheranthes sp.* (creeper Periwinkle) and Amlook (*Diospyros lotus*) have been planted and seeds of *Dodonaea viscosa*, *Aesculus indica*, *Robinea pseudoacacia*, *Bauhunia sp.*, *Cassia glauca*, *Prunus armeniaca*, *Diospyros lotus* have been sown for biological restoration of the muck disposal site. Prof. Anil K. Raina suggested that *Pinus gerardiana* (chilgoza pine) may also be considered for plantation. Committee was apprised that the saplings of *P. gerardiana* are also being raised in the nursery, however, the same have not reached appreciable size for plantation in the field. Prof. Raina inquired from DFO Kishtwar, whether required saplings for plantation in project area can be provided by Forest Department. In response DFO Kishtwar affirmed that requisite saplings shall be provided as and when required.

9. Landscaping and Restoration Plan:

The committee was apprised that a total provision of Rs. 349.94 Lakh is earmarked in EMP against which an expenditure of Rs. 91.96 Lakh has been incurred till December 2025. The plan comprises of three components viz.

- i. Protection and Restoration of Quarry Areas: It was apprised that 02 out of total 07 designated rock quarries, and one out of two designated clay quarries have not been utilized. Restoration of one closed clay quarry (KRC-2) is in progress with retaining crate wall and hollow anchoring. After completion of engineering measures, the biological works shall be implemented.
- ii. Landscaping and Restoration of work sites /construction areas/colony areas: It was informed that implementation has been started as per site availability and plantation activities are being carried out at available places in project area.
- iii. Green belt development in project areas: It was informed that implementation has been started as per site availability and plantation activities are being carried out at available places in project area.

10. Air & Water Management Plan:

It was informed that a provision of Rs. 40 lakh is earmarked in EMP for monitoring of Air, Water & Noise during the construction phase. Monitoring of air, noise and water quality parameters is being done as per specified frequency and reports are submitted to MoEF&CC along with six-monthly EC compliance reports.

Committee was also apprised that dust suppression measures are in place for effective containment of fugitive emissions. Further, an additional waste water treatment plant has also been provided for crusher plant and batching plant.

Till date an expenditure of Rs. 20.50 lakh has been incurred on air, noise and water quality monitoring (this does not include the expenditure of Rs. 468.93 lacs incurred on dust suppression measures in project area by contractor as per contract provisions).

11. Reservoir Rim Treatment Plan:

Committee was apprised that a financial provision of Rs. 620.17 Lakh has been earmarked for the plan in EMP and that the requisite works are being undertaken and the same shall be completed before reservoir filling.

12. R&R Plan

Committee was apprised that a provision of Rs. 8724.09 lakh was earmarked in EMP for R&R Plan implementation. Subsequently, R&R plan of Kiru HE Project was approved by Govt. of J&K vide order dated 07.03.2019 with a cost provision of Rs. 9956.22 lakh (comprising of Rs. 5070.33 lakh towards Individual benefits, Rs. 2887 lakh for Local Area Development, Rs. 1748.89 lakh for Skill Development and Rs. 250 lakh for Monitoring & Evaluation). Deputy Commissioner, Kishtwar has been appointed as Commissioner R&R for Kiru HE Project.

It was also apprised that the number of PAFs at R&R plan approval stage was estimated to be 159 (i.e. 93 displaced PAFs and 66 non-displaced PAFs). However, the number of PAFs has reduced to 151 (i.e. 92 displaced PAFs and 59 non-displaced PAFs) after verification of entitlement by District Administration (Revenue Department).

An amount of Rs. 5500 lakh has been released by the Project for implementation of R&R Plan as per the requisition from Commissioner R&R. As per latest Utilization Certificate dated 14.02.2026, received from Commissioner R&R, an amount of Rs. 5339.93 lakh has so far been utilized (i.e. Rs. 3519.41 lakh disbursed towards individual benefits, Rs. 1605.73 lakh utilized for local area development activities and Rs. 229.79 lakh utilized for skill development).

13. Environment Monitoring Programme:

A provision of 75.00 lakh has been earmarked for monitoring the effectiveness of various environmental management plans during project construction phase and operation phase. 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.

14. Disaster Management Plan

The Committee was apprised that a financial provision of Rs. 135.50 Lakh has been earmarked in EMP for Disaster Management Plan. The Plan is under implementation as per following details:



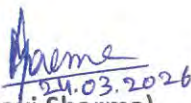
- a. Three Early Flood Warning Systems (EFWS) have been installed upstream of Kiru HE Project at following locations:
 - i. Village Layee in Gulabgarh, Padder (about 20Km upstream of Kiru Dam Axis).
 - ii. Village Gulabgarh, Padder (on river Chenab about 29Km upstream of Kiru Dam Axis).
 - iii. Village Massu, Padder (on Bhut Nallah about 33Km upstream of Kiru Dam Axis).The EFWSs provide real time online information regarding the water levels and water discharge.
- b. Three V-SAT communication systems have also been installed (one at Kishtwar, one at project site Pathernakki and one at village Layee) for maintaining proper communication link in case of disasters.
- c. Control Room at Project level has been established.
- d. Further, fresh studies for Dam Break Modelling, Emergency Action Plan and Hazard Classification are being undertaken prior to reservoir filling.

After detailed deliberations on all matters, the Committee expressed concern over delay in implementation of the EMP. However, it noted with satisfaction the recent efforts made towards its implementation.

Prior to the meeting, the Committee members visited various project components and were briefed by Project authorities.

The meeting ended with vote of thanks to the chair.

Date: 24.03.2026


(Dr. Ravi Sharma)
Member Secretary
Multi-Disciplinary Monitoring Committee
Kiru HE Project

Annexure-I

LIST OF PARTICIPANTS

**First Multidisciplinary Monitoring Committee Meeting of Kiru HE Project (624MW)
held on 19.02.2026.**

Committee Members

1. Sh. Ramesh Ojha, HoP, Kiru HE Project - **Chairman.**
2. Dr. Khursid Alam 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. Khalid Mehmood, Distt. Soil & Water Conservation Officer, Doda (Representative of Jt. Director - Central, Soil & Water Conservation Deptt.).
6. Mohd. Asgar, Range Officer, Wildlife, Kishtwar (Representative of Wildlife Warden, Kishtwar).
7. Sh. Abdul Salam Batt (Representative of Assistant Director Fisheries - Kishtwar, J&K Fisheries Department).
8. Sh. Brahmeshwar Kumar, Deputy General Manager (Environment), CVPP Corporate Office, Jammu.
9. Dr. Ravi Sharma, Senior Manager (Environment), Kiru HE Project - **Member Secretary**

Other Attendees

1. Sh. S.K. Parhi, General Manager (Dam), Kiru HE Project.
2. Sh. Vikash Prasad, General Manager (Power House), Kiru HE Project.
3. Sh. Arindom Chakraborty, DGM (Geology), Kiru HE Project.
4. Sh. R.P. Khajuria, Sr. V.P., M/s PEL (Civil Works Contractor of Kiru HE Project).
5. Sh. Tej Bahadur, Project Manager, M/s PEL.
6. Sh. Janak Pal, DGM (P&M), M/s PEL.
7. Sh. Alok Kumar, Sr. Manager HSE, M/s PEL.





चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

Chenab Valley Power Projects Limited

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

सीआईएन/ CIN: U40105JK2011GOI003321

किरु जलविद्युत परियोजना
Kiru Hydroelectric Project
Chenab Nagar-II, Kishtwar(J&K)
फोन नं/Phone No:01995-259505
Email: hopkuru@cvppindia.com
gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 798

Date: 31.01.2026

MEETING NOTICE

Subject: Convening the meeting of Multi-Disciplinary Monitoring Committee (MDMC) constituted by MoEF&CC for 624 MW Kiru HE Project.

Reference: 1. MoEF&CC letter No. J-12011/32/2008-IA-I(R) dated 02.05.2019.
2. Letter No. CVPP/Kiru/GM/2020/474 dated 07.03.2020.
3. Letter No. CVPP/Kiru/HoPSectt/2021/429 dated 11.05.2021.

Kindly refer to communication cited at S. No. 1 above (copy enclosed), vide which approval for constitution of Multi-Disciplinary Monitoring Committee (MDMC) was accorded by MoEF&CC for Kiru HE Project.

In this regard, the members of the MDMC were earlier requested for conveying the suitable dates for conducting the meetings of the Committee vide communications referred above at S. No. 2 & 3 (copies enclosed). However, the meeting of Committee could not be convened.

Further, in the recent hearing before the Joint Secretary, MoEF&CC, it was directed that the meeting of MDMC be conducted within one month and the minutes thereof be submitted to MoEF&CC.

In this regard, the meeting of the Committee is proposed to be held as per following schedule:

Date of Meeting	:	19.02.2026 (Thursday)
Venue	:	Kiru Project Site, Kishtwar
Time	:	11:00 AM

As such, all worthy members of the MDMC are requested to kindly make it convenient to participate in the proposed meeting as per aforementioned schedule so that necessary compliance to the directions of MoEF&CC can be ensured.

Confirmation of participation may kindly be shared with Dr. Ravi Sharma, Senior Manager (Env.), Kiru HE Project (Member Secretary, MDMC) at contact no. 9086025820/9149457422.

Thanking you.

Yours sincerely,

Ramesh
Head of Project
Kiru HE Project

Distribution – Committee Members:

1. Representative, Sub Office Jammu of MoEF&CC (Member).
2. Prof. Anil Kumar Raina, Deptt. of Environmental Sciences, University of Jammu (Member).
3. Conservator of Forests, Chenab Circle, Doda (Member).
4. Joint Director (Central), Soil & Water Conservation Department, J&K (Member).
5. Conservator of Forests (Wildlife) & Regional Wildlife Warden, Jammu, J&K (Member).
6. Wildlife Warden, Kishtwar, J&K (Member).
7. Assistant Director Fisheries, J&K Fisheries Department, Kishtwar (Member).
8. Sh. Lekh Raj Parihar, NGO-Vishav Shanti Society for Peace, Environment & Rural Development, Kishtwar, J&K (Member).
9. DGM (Env.), CVPPL, Jammu - Officer Looking After Environment at Corporate Office, CVPPL (Member).
10. Sr. Manager (Env.), Kiru HE Project, CVPPL - Officer Looking After Environment at Project Level (Member Secretary).

Internal:

11. GGM (Planning), CVPPL for kind information.
12. DM(IT) MD Sectt. for kind information of MD CVPPL.

PROCEEDINGS

PERSONAL HEARING HELD ON 07.01.2026 FOR THE KIRU HYDRO-ELECTRIC PROJECT (624 MW) IN DISTRICT KISHTWAR, JAMMU AND KASHMIR BY M/S CHENAB VALLEY POWER PROJECTS PVT LTD.

Personal hearing for the project “Kiru Hydro-electric project (624 MW) in District Kishtwar, Jammu and Kashmir by M/s Chenab Valley Power Projects Pvt Ltd.” was held on **07.01.2026 at 12:00 P.M.** under the Chairmanship of **Shri Rajat Agarwal**, Joint Secretary, MOEF&CC at Indus Meeting hall, Indira Paryavaran Bhawan. The list of the participants is at **Annexure I**.

2. At the outset, Chairman welcomed the participants and invited **Dr. Shruti Rai Bhardwaj**, Director, MoEF&CC to update the background of the matter. She informed that the said project was monitored by Sub-Regional Office of the Ministry at Jammu on **11.05.2024** (Site-Inspection I) submitting monitoring report vide letter dated **06.09.2024**. The environmental clearance was granted to the said project vide Ministry’s letter **J-12011/32/2008-IA.I** dated **24.06.2016** and subsequently a Corrigendum dated **29.07.2016** was also issued.

3. Based on the observed major non-compliances, a Show-Cause Notice was issued to the project vide Ministry’s letter dated **24.10.2024**. The response to the SCN submitted by PP was further verified by SRO Jammu based on monitoring conducted for the project on **11.07.2025**. The SCN Review Report submitted by RO vide letter dated **01.09.2025** was examined within the Ministry and to conclude the matter a personal hearing has been conducted.

4. This was followed by a presentation by PP. Copy of presentation is at **Annexure II**. The updated compliance status with reference to pending non-compliances provided by PP vis-à-vis concluding remarks made during the meeting are as follows:

SI No.	EC Condition	Latest observations of SRO as per SCN Review report dated 17.10.2024	PH submissions, deliberation and conclusions
Environmental Clearance No. J-12011/32/2008-IA.I dated 24.06.2016			
1.	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons from SC/ST category and	Not Complied: Monitoring Committee for R&R has not been constituted yet. However, PP has	During the meeting, PP submitted that they have requested the Deputy Commissioner Kishtwar for constitution of the

	woman beneficiary (Sp. Cond. No. (iv))	requested DC, Kishtwar for the constitution of the same.	monitoring committee. Also, the implementation of R&R plan is being regularly monitored/reviewed by the Principal Secretary, Department of Disaster Management, Relief, Rehabilitation & Reconstruction, GoJK and also by the Chief Secretary, UT of J&K. In this regard, the meeting notices and minutes of various review meetings held in recent past has been provided. Conclusions made during the meeting: PP shall constitute the monitoring committee immediately, undertake review meeting within 1 month and submit the minutes of the meeting to the Regional Office and IA-Hydro sector.
2.	Dumping and consolidation/compaction of the muck shall be carried out 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 25.78 lakh cubic meter of muck to be generated, 8.36 lakh cubic meter will be	Partially Complied: PP is dumping the muck at designated muck dumping site as per the EMP report. Moreover, PP has constructed crate wall and gabion	PP submitted that the Dumping Site D2 is located in a steep terrain with sub-vertical slopes, where the HFL is at EL 1405.01 m and the PMF HFL is at EL 1407.3 m. Due to the limited horizontal distance of

utilized for construction purpose and remaining 17.42 lakh cubic meter will be dumped at four designated disposal sites in an allocated area of 28.22 ha. The dumping sites shall be more than 30m away from the HFL of the river & the toe walls for muck disposal sites shall be constructed at least 30m away from HFL of river. Allocated grant of Rs. 1697.57 lakhs shall be fully utilized and not to be diverted for any other purpose. (Sp. Cond. No. (vii))	walls at the muck disposal sites. However, the toe walls for muck disposal sites is located less than 30m away from HFL of river	about 60 m from the HFL to the edge of hill, maintaining the prescribed 30 m horizontal offset for the originally proposed 1.70 lakh cum of material storage was difficult to maintain. Accordingly, the site was developed about 13 m above HFL, the toe wall was provided at a horizontal distance of 17.2 m from the HFL, from where the horizontal distances varying between 18 m and 60 m were available for providing an operational disposal space of about 44 m. To enhance stability and safety of Dumping site, a protection wall below the toe wall from EL 1409 m (around 2 m above HFL at PMF) to EL 1418 m has been provided. The Muck Disposal site is completely stable and there is no spill over of muck into the river. Further, the site has been closed and plantation is being carried out for slope stabilization. Conclusions made during the meeting: In order to ensure complete compliance with the
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			condition, which necessitate dumping site to be more than 30 m away and toe wall to be at least 30 m away from HFL of river, PP shall immediately undertake necessary measures and submit documentary proof of compliance to the RO.
3.	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 139.80 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. 620.17 lakhs should be fully utilized and shall not be diverted for any other purpose. (Sp. Cond. No. (x))	Partially Complied: As per the submitted document, PP has deposited Rs.139.80 Lakh in CAMPA account for the Biodiversity Conservation & Management Plan on 25.11.2024. PP has further requested the DFO Kishtwar to provide the physical and financial status of the implementation. The project is under construction phase and PP has agreed to utilize Rs. 620.17 lakhs for Reservoir Rim Treatment Plan prior to reservoir filling	During the meeting, PP submitted that J&K Forest Department is in the process to implement the Biodiversity Conservation & Management Plan. Implementation of Biodiversity Conservation & Management plan is being reviewed at the highest level in the Forest Department, J&K. In this regard, a copy of the minutes of meeting held under the chairmanship of PCCF (HoFF), J&K, on 22nd August 2025 was presented during the meeting. Further, Forest Department has been requested to provide the current status of implementation vide letters dated 14.07.2025, 28.10.2025 and 20.12.2025. Conclusions made during the meeting:

			Considering that as prescribed in the condition, PP has deposited Rs.139.80 Lakh in CAMPA account for the Biodiversity Conservation & Management Plan and the implementation the plan lies with Forest Dept., J&K; the said condition shall for the meantime be considered as 'Complied'. PP shall ensure diligent follow up with the State Forest Department in this regard and keep updating the status in half yearly compliance report.
4.	The Fisheries Development Plan as proposed in the EMP shall be implemented completely in consultation 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. (Sp. Cond. No. (xi))	Not Complied: PP informed that the meeting is being conducted with officials from fisheries department to finalize the Fisheries Development Plan as proposed in the EMP. Moreover, Rs. 7.9859 Crore has been released on 22.07.2024 in favour of J&K Fisheries Department for implementation of the plan. However, it has not been initiated yet	During the meeting, PP submitted that the matter is regularly pursued with the Fisheries Department for implementation of the Plan. The Fisheries Department, vide letter dated 29th May 2025, has informed that acquisition of land required for the establishment of Fish Farm is in progress and requisite funds (Rs. 274 lacs) have been deposited with Collector Land Acquisition for the same. Further, Fisheries Department has been

			requested to expedite the implementation and provide the current status of implementation vide letters dated 14.07.2025, 28.10.2025 and 20.12.2025. Conclusions made during the meeting: Considering that the budget of Rs. 798.59 lakhs as prescribed in the condition has been released to fisheries department, the implementation of Fisheries Development plan lies with Fisheries Dept., J&K and the PP is regularly taking up with the fisheries department for implementation of the plan, the said condition to be considered as 'Complied' for the meantime. PP shall continue follow up with the authorities to ensure timely implementation of the Fisheries Development Plan and submit the copy of communication letters as proof to RO.
6.	Water sprinkling arrangements shall be made to suppress fugitive/emissions dust. (Gen. Cond. No. (iv))	Partially Complied	PP submitted that sprinkling arrangements are in place to suppress fugitive emissions. PP has made water sprinkling arrangements to suppress fugitive

		emission, still fugitive emission was observed at stone crusher site during the site visit.	Occasionally, during summer months, because of hot and dry weather condition coupled with winds, the fugitive emissions resurface after sometime of sprinkling, therefore additional dust suppression measures are undertaken. The same were reviewed during the Personal hearing. Accordingly, it was observed that the condition may be considered as Complied.
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5. Based on the deliberations made during the meeting, Chairman concluded following:

- i. **PP shall constitute the monitoring committee immediately, undertake review meeting within 1 month and submit the minutes of the meeting to the Regional Office and IA-Hydro sector.**
- ii. **In order to ensure complete compliance with the condition, which necessitate dumping site to be more than 30 m away and toe wall to be at least 30 m away from HFL of river, PP shall immediately undertake necessary measures and submit documentary proof of compliance to the RO.**
- iii. PP shall regularly follow up with the authorities to ensure timely implementation of the Biodiversity Conservation and Management Plan & Fisheries Development Plan and submit the proof and status to RO with half yearly compliance report.

The meeting ended with vote of thanks to the Chair

ANNEXURE I

List of participants for the Personal Hearing held on 07.01.2026 for the Kiru Hydro-Electric Project (624 mw) in District Kishtwar, Jammu and Kashmir by M/s Chenab Valley Power Projects Pvt Ltd.

S. No.	Name	Designation
MoEFCC		
1.	Shri Rajat Agarwal	Joint Secretary
2.	Dr. Shruti Rai Bhardwaj	Scientist F, IA-CMD
3.	Shri Y.P. Singh	Scientist F, IA-Hydro
4.	Dr. Bhardwaj Adiraju	Scientist D, IA-CMD
5.	Shri Vinay Rana	ASO, IA-CMD
6.	Dr. Pinky Taneja	Consultant, IA-CMD
Sub-Regional Office		
7.	Dr. Khurshid A. Khan	Sct- C., SO Jammu
Project Proponent (CVPPL)		
8.	Shri B R Godara	DGM (Geo), PDHEP, CVPPL, J&K
9.	Shri Naseer Ahmed Ganai	PDHEP, CVPPL, J&K
10.	Shri Jaspreet Singh	GSM (Env.), CVPPL
11.	Shri Ravi Sharma	SM (Env.), CVPPL
12.	Shri Brahmeshwar Kumar	Dy. General manager Env., CVPPL



भारत सरकार

GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

क्षेत्रीय कार्यालय, चंडीगढ़, उपकार्यालय, जम्मू / Sub-office, Jammu,

Regional Office, Chandigarh



F.No.: 07-149/2016-RO (NZ)

August, 2025

सेवा में,

निदेशक

अनुपालना निगरानी प्रभाग

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

आई 0 पी0 भवन, जोर बाग

नई दिल्ली- ११०००१ (ईमेल : moefcc-monitoring@gov.in)

Sub.: Letter seeking SCN Review Report with respect to the Kiru HEP (624 MW) at Village Patharnakki District Kishtwar in UT of Jammu and Kashmir by Chenab Valley Power Project Limited-reg.

Ref: i) F.No. J-12011/32/2008-1A.I dated 24.06.2016

ii) F.No. J-12011/32/2008-1A.I dated 29.07.2016.

ii) Showcase Notice dated 24.10.2024

iii) PP's response to the SCN dated 22.11.2024

iv) F.No. IA-J-11014/272/2024-IA-I dated 05.12.2024

Madam,

This is in reference to the Action Taken Report submitted by M/s Kiru Hydroelectric Power Corporation Ltd. and the above-mentioned letter dated 05.12.2024. The project was monitored and reviewed by the undersigned, and a factual report (**Annexure I**) of the said project is enclosed herewith for perusal and further appropriate action, with the following observations:

- i. The Monitoring Committee for the implementation of R&R has not been constituted yet [**Sp. Cond. No. (iv)**].
- ii. PP is dumping the muck at designated muck dumping site as per the EMP report. Moreover, PP has constructed crate wall and gabion walls at the muck disposal sites. However, the toe walls for muck disposal sites is located less than 30m away from HFL of river [**Sp. Cond. No. (vii)**].
- iii. As per the submitted document, PP has deposited Rs.139.80 Lakh in CAMPA account for the Biodiversity Conservation & Management Plan on 25.11.2024. PP has further requested the DFO Kishtwar to provide the physical and financial status of the implementation. The project is under construction phase and PP has not utilized Rs. 620.17 lakhs for Reservoir RIM Treatment Plan [**Sp. Cond. No. (x)**].
- iv. PP informed that the meeting is being conducted with officials from fisheries department to finalize the Fisheries Development Plan as proposed in the EMP. Moreover, Rs. 7.9859 Crore has been released on 22.07.2024 in favour of J&K Fisheries Department for implementation of the plan. However, it has not been initiated yet [**Sp. Cond. No. (xi)**].
- v. PP has made water sprinkling arrangements to suppress fugitive emission, still fugitive emission was observed at stone crusher site during the site visit [**Gen. Cond. No. (iii)**].

Submitted for necessary actions, as deemed fit, pl.

Annexure: As stated.

Digitally signed by
Khursid Alam Khan
Date: 01-09-2025
10:27:56

भवदीय
हस्ता/-
डॉ० खुर्शीद आलम खान
उप निदेशक
उप कार्यालय, जम्मू

Copy to:

1. General Manager (HOP), M/s Kiru Hydroelectric Project, CVPPP Ltd., Chenab Nagar-II, Kishtwar, Jammu, Jammu & Kashmir (Email: hopkiru@cvppindia.com).
2. Compliance Monitoring Division, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi (Email: moefcc-monitoring@gov.in).
3. Member secretary, Jammu & Kashmir Pollution Control Committee, Forest Complex, Gladni, Narwal, Jammu (Email: membersecretaryjkspcb@gmail.com) for necessary action.

Deputy Director/Scientist 'C'

Ministry of Environment, Forest and Climate Change

Sub Regional Office, Jammu

MONITORING REPORT

PART - I

DATA SHEET

1.	Project type: River- valley/ Mining/ Industry / Thermal/ Nuclear/Other (specify)	Hydro-Electric Project																														
2.	Name of the Project	Kiru Hydro-Electric Project (624 MW)																														
3.	Clearance letter (s)/ O.M No. & dates Environmental clearance Forest Clearance	(a) Letter No. J-12011/32/2008-1A.I dated 24.06.2016 & Corrigendum dated 29.07.2016. (b) Order No. 143-FST of 2016 dated 19.05.2016 of Govt. of Jammu and Kashmir (for 82.05 Ha land)																														
4.	a) District (s) b) State/UT (s) c) Latitudes/Longitudes	Kishtwar Jammu & Kashmir Latitude: 33°20'37"N Longitude: 75°57'34"E																														
5.	Address for correspondence a) Address of Concerned Project Chief Engineer (with Pin Code/ Tel No./ Telex/Fax No./E-mail address) b) Address of Executive Project Engineer/Manager (with Pin Code/ Tel No./ Telex/Fax No./E-mail address)	(a) General Manager (1/c) Kiru HE Project, Chenab Valley Power Projects (P) Ltd., Chenab Nagar-II, District Kishtwar, UT Jammu and Kashmir Pin code- 182 206 Telephone:- 01995-259505 email id: gmkkcvcpp@gmail.com (b) Managing Director, Chenab Valley Power Projects (P) Ltd., Chenab Jal Shakti Bhavan, Opposite Saraswati Dham, Rail Head Complex, Jammu (UT J&K); Pin code 180 012 Phone/ Fax: 0191 2479826/ 2479835																														
6.	Details of the environmental management plans.	Environmental Management Plans to be implemented at the Project are: <table border="1"> <tr><td>1</td><td>Biodiversity Conservation & Management Plan</td></tr> <tr><td>2</td><td>Catchment Area Treatment Plan</td></tr> <tr><td>3</td><td>Fisheries Development Plan</td></tr> <tr><td>4</td><td>Solid Waste Management Plan</td></tr> <tr><td>5</td><td>Public Health Delivery System</td></tr> <tr><td>6</td><td>Energy Conservation Measures</td></tr> <tr><td>7</td><td>Muck Disposal Plan</td></tr> <tr><td>8</td><td>Landscaping & restoration Plan</td></tr> <tr><td>9</td><td>Air & Water Management Plan</td></tr> <tr><td>10</td><td>Reservoir Rim treatment Plan</td></tr> <tr><td>11</td><td>Compensatory Afforestation plan</td></tr> <tr><td>12</td><td>Rehabilitation & Resettlement Plan</td></tr> <tr><td>13</td><td>Environmental Monitoring Programme</td></tr> <tr><td>14</td><td>Disaster Management Plan</td></tr> <tr><td>15</td><td>Skill Mapping and Development Plan</td></tr> </table>	1	Biodiversity Conservation & Management Plan	2	Catchment Area Treatment Plan	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	15	Skill Mapping and Development Plan
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13	Environmental Monitoring Programme																															
14	Disaster Management Plan																															
15	Skill Mapping and Development Plan																															

7.	Break-up of the project area: a) Submergence area: forest, non-forest	Forest Land: 82.05 ha Private Land: 36.27 ha State Land: 51.27 ha River Bed land (State land): 61.00 ha Total Land: 230.59 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	Number of affected villages:03 Displaced PAFs :93 Non Displaced PAFs :66 Total PAFs :159 Scheduled Tribe: 140 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 environmental management plan	TEA approved cost: Rs. 4640.88 Cr (Sept 2014 PL) CCEA approved cost: Rs. 4287.59 Cr (July 2018 PL) Actual expenditure: Rs. 583.35 Crore (till Sept. 2021) Allocation for EMP: Rs. 162.43 crore as approved by(MOEF&CC)
10.	Forest land requirement: a) Status of approval diversion of Forest land for non-forestry use	Forest clearance for diversion of 82.05 Ha forest land accorded by govt. of Jammu and Kashmir vide order no. 143-FST of 2016 dated 19.5.2016
11.	The status of clear felling in non-forest areas	NA
12.	Status of construction: a) Date of commencement (actual and/or planned) b) Date of completion (actual and/or planned)	24.02.2020 24.03.2026
13.	Reasons for the delay, if the project is yet to start	NA
14.	Dates of site visits a) By Monitoring Committee b) By Regional Office	11.05.2024 11.07.2025
15.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	PP is regularly submitting the compliance report to the sub office Jammu and recently submitted on 30.05.2025.

Signature of competent authority

PART-II & PART-III
DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO CONDITIONS OF ENVIRONMENTAL CLEARANCE
(EC) & ENVIRONMENTAL MANAGEMENT
J-12011/32/2008-1A.I dated 24.06.2016

Kiru Hydroelectric Project was granted EC for (624 MW) in District Kishtwar, Jammu & Kashmir under name and style of General Manager (Planning), Chenab Valley Power Project Limited 2nd Floor, JKPCC Building, Rail Head Complex, Panama Chowk, Jammu, Jammu & Kashmir.

1. SPECIFIC CONDITIONS:

S. No.	EC Conditions	SCN reply submitted by PP	Remarks of MoEF&CC Sub Regional Office based on the compliance status furnished by the Project Proponent and observations/online data/verification of records (Monitoring Reports, Log books etc.) during the Site Visit
i.	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. Financial allocation of Rs. 1883.82 lakhs for CAT plan implementation shall be fully utilized and the same shall not be diverted for any other purpose. As per CAT plan, the area of CAT is 1849.28 ha.	CAT Plan was prepared as a part of EMP during the EIA study. EIA/EMP report was submitted to the Ministry and accordingly EC to the Project was granted by MoEFCC vide letter dated 24 July 2016 and corrigendum dated 29 July 2016. J&K Forest Department was requested for implementation of CAT Plan as outlined in the EMP report. J&K Forest Department did not initiate action on this Plan and suggested for revision of the CAT Plan. Series of meetings were held at various levels in Forest Department on the course of revision of CAT Plan. Finally, during a meeting chaired by PCCF (HoFF), GoJK, on 07.07.2023, decision was taken to revise the CAT Plan. In compliance to the decision taken in the said meeting, necessary directions were issued, vide letter dated 17.07.2023	Being Complied: PP informed that as per the instruction of PCCF HoFF, Govt of JK, CAT Plan was got revised in consultation with forest department and soil and water conservation department and the same was approved by the competent authority. PP has deposited Rs. 1883.27443 Lakhs in State CAMPA account on 28.03.2025. Moreover, PP informed that the implementation of Plan will be commence in FY 2025-2026.

		of Nodal Officer (FCA), to the concerned Divisional Forest Officers and Divisional Soil & Water Conservation Officer to facilitate Project Authority in revision of CAT Plan. The NABET accredited consultant has submitted the revised CAT plan and same has been submitted to J&K Forest Department through Divisional Forest Officer, Kishtwar and Divisional Soil & Water Conservation Officer, Doda for approval of the competent authority on 04.09.2024. The supporting documents regarding revision of CAT Plan and submission of revised CAT Plan are placed at Annexure-1. The revised CAT Plan is under review by J&K Forest Department and meetings were held in this regard with Conservator of Forests, Chenab Circle, Doda on 07.09.2024, 28.09.2024 and 07.11.2024. The CAT Plan is yet to be approved by PCCF(HoFF). The requisite funds shall be deposited into CAMPA Account upon receipt of demand from Forest Department for implementation of revised CAT Plan.	
ii.	R&R benefits for the land losing households will be as per NRRP-2007 & J&K state Govt. Adequate publicity of the compensation package should be circulated in the affected villages. However, this is to be compared with the state Rehabilitation and Resettlement policy, and the more beneficial policy is to be adopted for the	It is submitted that R&R plan of Kiru HE Project has been approved by Govt. of J&K vide order dated 07.03.2019 (Annexure-2) upon the recommendation of Empowered Committee (Annexure-3). The Deputy Commissioner, Kishtwar was also appointed as Commissioner R&R for implementation of the approved plan vide the same Govt. Order.	Being Complied: As per the submitted documents, an amount of ₹99.5622 Crores has been approved for the R&R Plan, out of which ₹55 Crores has been deposited in the official account of the Commissioner, R&R. Further, ₹35.0441 Crores has been disbursed to the PAFs under individual benefits, and ₹15.54862 Crores has been utilized for Local Area Development

	PAF's. All R&R issues shall be completed before commissioning of the project.	The approved cost of R&R plan is Rs. 99.5622 Crore including the cost of Rs. 28.87 Crore towards infrastructure development component. The approved cost of R&R Plan is Rs. 99.5622 Crore including the cost of Rs. 28.87 Crore towards infrastructure development component. The R&R released payment of Rs. 55.00 Crore against the approved cost till date, as under, upon the requisition from Commissioner for implementation of the approved plan. Out of this, an amount of Rs. 40.12 Crore has been utilized for R&R Plan implementation by the office of Commissioner R&R (i.e. Rs. 34.49 Crore disbursed to eligible PAFs and Rs. 5.62 Crore utilized for infrastructure development). The latest utilization certificate dated 18.11.2024 to this effect has also been received from the Additional Deputy Commissioner (office of Commissioner R&R/ Deputy Commissioner Kishtwar) (Annexure-4). The implementation of R&R Plan falls under the domain of Commissioner R&R (Deputy Commissioner Kishtwar) who is implement the approved R&R Plan after exercising due diligence and ascertaining the entitlement of the PAFs/PAPs. The role of PP remains limited to release of funds in favour of Commissioner R&R upon receipt of demand letters.	Programs. Moreover, the PP informed that the disbursement has been carried out in accordance with the State Rehabilitation and Resettlement Policy, and all related issues will be resolved prior to the commissioning of the project.
iii.	Implementation of R&R plan shall have to be closely monitored by the state authority and is to be ensured that all PAF's shall get adequate & timely compensation.	In this regard, it is submitted that the approved R&R Plan is already under implementation and so far against Rs. 55.00 Crore deposited by the PP, an amount of Rs. 34.49 Crore stands disbursed to eligible PAFs and Rs. 5.62 Crore stands utilised for	Being Complied: PP informed that the R&R plan is being monitored by Chief Secretary. As per the submitted document Individual benefits to the 151 PAFs have been paid in full (except one).

		infrastructure development in project affected area. Thereby a total of Rs. 40.12 Crore stands already utilised for implementation of the approved R&R Plan by Commissioner R&R. Balance amount shall be released immediately after receipt of requisition from Commissioner R&R.	
iv.	A Monitoring Committee for R&R should be constituted which shall include representatives of project affected persons from SC/ST category and a woman beneficiary.	The constitution of Monitoring Committee for R&R was approved by the Empowered Committee in its meeting held under the Chairmanship of Chief Secretary, J&K on 06.04.2018 (Annexure-III) However, the formal Govt. Order for constitution of the Committee is awaited.	Not Complied: Monitoring Committee for R&R has not been constituted yet. However, PP has requested DC, Kishtwar for the constitution of the same.
v.	All the commitments made during the public hearing should be fulfilled completely by project proponent and record maintained.	The R&R Plan has already been approved by GoJK and is being implemented by the Commissioner R&R (Annexure-2, 3 & 4). An amount of Rs. 55.00 Crore has already been deposited by the PP with the Commissioner R&R (upon the requisition from Commissioner R&R) for implementation of the Plan out of which an amount of Rs. 40.12 Crore has already been utilized (disbursed to PAFs and utilized for infrastructure development as per approved plan). Further, it is pertinent to mention that the R&R Plan was prepared by District Administration after consultations with all stake holders and duly considering the aspirations and demands of local people and as such the approved R&R Plan includes a provision of Rs. 28.87 Crore earmarked for development of infrastructure and social &	Being Complied: PP informed that all the commitments are included in the R&R Plan. Moreover, as per the submitted documents, an amount of ₹99.5622 Crores has been approved for the R&R Plan, out of which ₹55 Crores has been deposited in the official account of the Commissioner, R&R. Further, ₹35.0441 Crores has been disbursed to the PAFs under individual benefits, and ₹15.54862 Crores has been utilized for Local Area Development Programs. Beside, Rs. 28.87 Crore has been earmarked for development of infrastructure and social & community development activities in the local area.

		community development activities in the local area. Accordingly, the Local Area Development Plan was formulated by DC Kishtwar (i.e. Commissioner R&R) and was subsequently approved by the Committee constituted by the Empowered Committee. The supporting documents are placed at Annexure-5. The approved local and social & community development activities are under implementation as detailed in the Utilization Certificate placed at Annexure-4.	
vi.	Dumping and consolidation/compaction of the muck shall be carried-out 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 25.78 lakh cubic meter of muck to be generated, 8.36 lakh cubic meter will be utilized for construction purpose and remaining 17.42 lakh cubic meter will be dumped at four designated disposal sites in an allocated area of 28.22 ha. The dumping sites shall be more than 30m away from the HFL of the river & the toe walls for muck disposal sites shall be constructed at least 30m away from HFL of river. Allocated grant of Rs. 1697.57 lakhs shall be fully utilized and not to be diverted for any other purpose.	The protection measures (gabion walls) have been provided at the muck disposal sites and as per requirement the same are being strengthened from time to time to avoid any spillage of muck. The protections works were strengthened prior to the previous monsoon season. Now, after the monsoon season, the weak spots stand identified and the same are being strengthened to maintain the adequacy of protection works (Figure-1). Further, it is pertinent to mention here that the diversion of river through Diversion Tunnel (DT) was achieved on 31.12.2021 and thereafter the complete river flow during lean season and non lean–non monsoon season was diverted through the Diversion Tunnel. During monsoon season only, the very limited/excess river flow (beyond the DT capacity actually passes through the river section between DT inlet and DT outlet. As such, additional road protection works (gabion structures) provided along the river bank were	Partially Complied: PP is dumping the muck at designated muck dumping site as per the EMP report. Moreover, PP has constructed crate wall and gabion walls at the muck disposal sites. However, the toe walls for muck disposal sites is located less than 30m away from HFL of river (Photo 1).

		sufficient to provide adequate protection to the only available access road to different project components and pass the discharge during such short period.	
vii.	Proposed Compensatory Afforestation Programme in 164.10 ha of degraded forest area shall be undertaken in consultation with State Forest Department. Allocated grant of Rs. 1036 lakh shall be fully utilized and not to be diverted for any other purpose.	The amount of Rs. 9.446 Crore as deposited by PP for Forest Clearance comprised of following statutory levies: i. Net Present Value = Rs. 7,35,98,850/-, ii. Compensation of Trees/Poles = Rs. 93,15,220/- iii. Compensatory Afforestation Cost = Rs. 1,14,87,000/- and iv. Cost of Transplantation of saplings = Rs. 62,000/-. It is clear from the above, that only an amount of Rs. 1.1487 Crore was earmarked for Compensatory Afforestation and the same has been utilised for the specified works. The CA works stand completed by the Forest Department in the year 2021-22 and utilisation certificate to this effect has also been issued by DFO Kishtwar (Annexure-6).	Being Complied: PP informed that the CA Scheme has been revised by the Forest department and requisition for only 9.446 Crore has been made. The said amount has been deposited in the CAMPA account and as per submitted document 1.1487 crore has been utilized by the forest department for the implementation of CA program.
viii.	Proposed Biodiversity Conservation & Management plan as outlined in the EMP shall be implemented with State Forest Department. The allocated budget of Rs. 139.80 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. 620.17 lakhs should be fully utilized and shall not be diverted for any other purpose.	The matter of implementation of the Biodiversity Conservation & Management plan was taken up with J&K Forest Department and National CAMPA, MoEFCC. National CAMPA, vide letter dated 10.09.2024, conveyed the Bank details to J&K Forest Department in which PP has to deposit the levies on account of Biodiversity Conservation & Management plan. After continuous follow-up, the J&K Forest Department, vide DFO Kishtwar letter dated 15.10.2024, has raised the demand of funds for deposition into CAMPA Account. The	Partially Complied: As per the submitted document, PP has deposited Rs.139.80 Lakh in CAMPA account for the Biodiversity Conservation & Management Plan on 25.11.2024. PP has further requested the DFO Kishtwar to provide the physical and financial status of the implementation. The project is under construction phase and PP has agreed to utilized Rs. 620.17 lakhs for Reservoir Rim Treatment Plan prior to reservoir filling.

		correspondence in this regard is enclosed (Annexure-7). The full amount of Rs.139.80 Lakh shall be deposited into CAMPA Account by the end of this month.	
ix.	The Fisheries Development Plan as proposed in the EMP shall be implemented completely in consultation 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.	Demand of funds for implementation of Fisheries Development Plan was received from J&K Fisheries Department vide letter dated 31.05.2024 (Annexure-8) in pursuance to which the full amount of Rs. 7.9859 Crore stands released on 22.07.2024 in favour of J&K Fisheries Department for implementation of the plan (Annexure-9). The plan is to be executed by Fisheries department, for which they are being requested.	Not Complied: PP informed that the meeting is being conducted with officials from fisheries department to finalize the Fisheries Development Plan as proposed in the EMP. Moreover, Rs. 7.9859 Crore has been released on 22.07.2024 in favour of J&K Fisheries Department for implementation of the plan. However, it has not been initiated yet.
x.	To maintain flourishing fish population /communities in the river, the river must witness all seasonal changes including low flow levels during lean season to maximum during monsoon /floods /high rains.	The release of e-flow is not applicable during construction phase of the project because river flow remains as it is barring a diversion of river flow for a very short distance from Diversion Tunnel (DT) Inlet to Diversion Tunnel Outlet (Figure-2). The river section between DT Inlet and DT Outlet remains the primary work area (for construction of power intake, dam, plunge pool, TRT outlets and other allied project infrastructure) during project construction stage (Figure-3) and as such there is no provision for release of e-flow during the project construction phase. The e-flows required to be released during different seasons post project commissioning are specified in the EC Letter and the same shall be fully complied with.	Agreed to Comply: The project is under construction phase, PP is submitting the water quality data to the Sub office, Jammu and agreed to maintain the water level during lean as well as monsoon season once the project will be commissioned.

		Water quality data is submitted through every Six-monthly EC Compliance Report and is available in all such reports submitted so far. The latest monitoring reports along with sampling photographs are enclosed (Annexure-10).	
xi.	Skill mapping of the area to be conducted mentioning the skills inherent of the local people, skill requirement of the project and the best ways to develop the skills in the local people so that the locals can be employed in the project.	Skill mapping of the Project Affected Families was carried out and accordingly, the Skill Development Plan was got formulated through consultant. The report on Skill Mapping and Development Plan was submitted to Commissioner R&R, Kiru HEP (Deputy Commissioner, Kishtwar) on 28.09.2019 for further action in the matter. The said Report was forwarded by Deputy Commissioner, Kishtwar to Divisional Commissioner, Jammu vide letter No. DCK/LA/2019/355-59 dated 10.02.2020 for further approval from Government (Annexure-11). The Skill Development Plan is to be approved by the Committee constituted by Empowered Committee (refer Annexure-3). Further, a committee has been constituted by DC Kishtwar to revisit the Skill Development Plan for its approval by the Committee constituted by GoJK (Annexure - 12).	Being Complied: PP informed that a total of 17.49 Crore has been approved for the Skill development program among which 1.84 Crore has been utilized and rest are under implementation.
B	GENERAL CONDITIONS:		
i.	Medical facilities as well as recreational facilities shall also be provided to the labourers.	The information already submitted through EC Compliance Report for the period from October 2023 to March 2024 is reaffirmed as under: Total Four dispensaries (one by PP and three by Contractor) have been established in the residential	Being Complied: PP has established four dispensaries at the project site and employed one physician. Moreover, PP has developed recreational facilities like

		and work areas. One doctor (provided by Contractor) is available for proper healthcare of workers and staff. Further, three ambulances (one by PP and two by Contractor) are also available round the clock at project site (Annexure -13). Recreational facilities viz. Indoor recreation rooms with TV, carrom and chess facilities, Televisions in Common Mess Halls and outdoor game facilities with volleyball court have already been provided by the Contractor at project site (Annexure - 14).	indoor and outdoor games and Television for the labourers.
ii.	Water sprinkling arrangements shall be made to suppress fugitive/emissions dust.	The arrangements for sprinkling of water to control dust emission are in place. Adequate number of water tankers are already deployed by Contractor for regular water sprinkling in project area and on project roads. Further, water sprinkler systems are already installed in crusher plant, however, additional water-cannon-sprinkler has been installed by Contractor in the crusher plant area for containing the dust emissions. Photographs are enclosed (Annexure - 15).	Partially Complied: PP has made water sprinkling arrangements to suppress fugitive emission, still fugitive emission was observed at stone crusher site during the site visit (Photo 2).
iii.	Potable drinking water and proper sanitary facilities shall be provided for the labour force. Also proper disposal facilities for solid waste are to be ensured.	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. Photographs are enclosed (Annexure-16). The single use plastic is prohibited in the project area. The only plastic waste generated in the area consists mainly of packaging material. The plastic	Being Complied: Potable drinking water and sanitary facilities has been provided by the contractor and waste bins has been installed for collection and segregation of solid waste.

		waste, paper waste and metal waste is being recycled by contractor through the scrap dealers.	
iv.	Solid waste management & sanitation facility will have to be provided for the labour force.	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. Photographs are enclosed (Annexure-16). The single use plastic is prohibited in the project area. The only plastic waste generated in the area consists mainly of packaging material. The plastic waste, paper waste and metal waste is being recycled by contractor through the scrap dealers.	Being Complied: PP has installed waste bins in residential areas, office areas and project area for collection and segregation of solid waste. Moreover, PP informed that organic waste is being disposed off in composting pit and rest is being collected by the Municipal corporation.
v.	Disaster management plan as provided in EMP shall be implemented in consultation with the district Authorities an early warning system shall be installed.	Disaster Management Plan, as approved by MoEF&CC under EMP of Kiru HE Project is linked with commissioning of the project as the same has been formulated considering the Dam Breach/Break Scenario and is required to be in place prior to commissioning of the project. Therefore, implementation of the plan shall be completed prior to project commissioning in consultation with District Disaster Management Authority and in consonance with the District Disaster Management Plan. As an advance measure, for handling of unnatural flood situations, One Early Flood Warning System (EFWS) has been installed at Village Layee, upstream of Kiru HE Project. The photographs of EFWS, Automatic Water Level Sensor, Rain gauge	Agreed to Comply: PP informed that Disaster management plan is a part of Environmental Management Plan and an early flood warning system has been installed at Village Layee, and two more are proposed at Gulabgarh and Bhoot Nala. PP further informed that DMP will be implemented prior to project commissioning in consultation with District Disaster Management Authority and in consonance with the District Disaster Management Plan.

		and Siren/Hooter installed at project sites are depicted at Figure-4. Two more EFWS are proposed to be installed, one at Gulagarh and another at Bhoot Nala.	
OTHER CONDITIONS			
17.	A multi-disciplinary committee for monitoring the implementation of environmental safeguards during construction shall be constituted by the project proponent in consultation with the Ministry as early as possible. The proponent shall suggest the members and their profile for approval of ministry. Proponent shall organize six monthly meetings of the committee and submit the monitoring report to the ministry.	Constitution of MDMC was approved by MoEF&CC vide letter dated 09.07.2018 with amendment dated 02.05.2019 (Annexure-17). MDMC members were requested vide letters dated 07.03.2020 (Annexure - 18) and 11.05.2021 (Annexure - 19) for scheduling the meeting of the Committee. However, the meeting is yet to be convened. The site inspection has been conducted by IRO-Jammu of MoEF&CC in May 2024. Site inspection was also conducted by Conservator of Forests, Chenab Circle Doda on 07.09.2024. Further, the implementation of environmental safeguards is also reviewed by DO-JKPCC, DFO-Kishtwar, Asstt. Director-Fisheries and other officials through regular meetings and site visits.	Agreed to Comply: PP has constituted the multi-disciplinary committee for monitoring the implementation of environmental safeguards and it was approved by MoEF&CC on dated 09.07.2018 and amended on 02.05.2019. However, PP has agreed to conduct MDMC meeting in upcoming month.

Concluding Remarks: Kiru Hydroelectric Project was granted EC for (624 MW) in District Kishtwar, Jammu & Kashmir under name and style of General Manager (Planning), Chenab Valley Power Project Limited 2nd Floor, JKPCC Building, Rail Head Complex, Panama Chowk, Jammu, Jammu & Kashmir. The consent to establish was granted by JK Pollution Control Committee under consent No. PCC/digital/23033722548 of 2023 dated 27.12.2023 which is valid till June 2026. Moreover, PP has obtained other consents and authorization for establishment of Crusher plant and storage of the hazardous waste.

Status of project: The construction work of the project was initiated on 24.02.2020 as per submitted document. Major work of the tunneling has been completed. However, the construction of dam is underway.

Implementation of Important Conditions: It is evident from the above review that:

This is a unit for (624 MW) Kiru hydroelectric project located in district Kishtwar of Jammu & Kashmir.

- The Monitoring Committee for the implementation of R&R has not been constituted yet **[Sp. Cond. No. (iv)]**.
- PP is dumping the muck at designated muck dumping site as per the EMP report. Moreover, PP has constructed crate wall and gabion walls at the muck disposal sites. However, the toe walls for muck disposal sites is located less than 30m away from HFL of river **[Sp. Cond. No. (vii)]**.
- As per the submitted document, PP has deposited Rs.139.80 Lakh in CAMPA account for the Biodiversity Conservation & Management Plan on 25.11.2024. PP has further requested the DFO Kishtwar to provide the physical and financial status of the implementation. The project is under construction phase and PP has not utilized Rs. 620.17 lakhs for Reservoir RIM Treatment Plan **[Sp. Cond. No. (x)]**.
- PP informed that the meeting is being conducted with officials from fisheries department to finalize the Fisheries Development Plan as proposed in the EMP. Moreover, Rs. 7.9859 Crore has been released on 22.07.2024 in favour of J&K Fisheries Department for implementation of the plan. However, it has not been initiated yet **[Sp. Cond. No. (xi)]**.
- PP has made water sprinkling arrangements to suppress fugitive emission, still fugitive emission was observed at stone crusher site during the site visit **[Gen. Cond. No. (iii)]**.

Reviewed w.r.f. to the six monthly compliance report dated 30.05.25 and ATR report submitted on 22.11.2024: The monitoring report was prepared after site visit on 11.07.2025.

(Dr. Khursid A. Khan)
Deputy Director
Sub Office, Jammu



Photo 1. Toe wall constructed less than 30 m far from the HFL.



Photo 1. Fugitive emission observed during site visit.



Photo 3. Kiru HEP, Dam construction site.

Office Address
 Srinagar Office : Forest Complex, Shiekh Bagh, Lal Chowk, Sgr-190001 Phone: 0194-2483937
 Jammu Office : Forest Resource Mgmt. Centre, Narwal Jammu-180006 Phone: 0191-3511909



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



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

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

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

The following Officers attended the meeting:

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

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

(A) Pakul Dul HEP

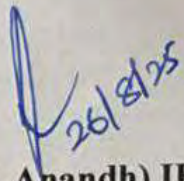
- i. Catchment Area Treatment Plan of Pakul Dul HEP:** It was informed by Director, Soil & Water Conservation Department that APO of Rs. 8.95 Crore has been approved for the year 2025-26. He further informed that Administrative Approvals and Technical Sanctions are under progress and shall be issued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

(B) Kiru and Kwar HEPs:

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

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

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


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

No: PCCF/FCA/CATPlan/3034-43

Dated: 26-08-2025

Copy to:

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



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

Chenab Valley Power Projects Limited

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

सीआईएन/ CIN: U40105JK2011GOI003321

Annexure-II-b

किरू जलविद्युत परियोजना

Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar (J&K)

फोन नं./Phone No: 01995-259505

Email: hoppkiru@cvppindia.com

gmkckvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2026-27/ 30

Dated: 18.04.2026

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

Sub: Kiru HE Project – Implementation Status of Catchment Area Treatment (CAT) Plan.

Ref: 1. Letter No. CVPPL/Kiru/GM(I/c)/2024/1007 dated 28.03.2025.

2. Letter No. CVPPL/Kiru/GM(I/c)/2025/277 dated 14.07.2025.

Sir,

An amount of Rs. 1883.27 lacs was deposited in CAMPA Account on 26.03.2025 for implementation of the Catchment Area Treatment (CAT) Plan of Kiru HE Project (624MW).

The current status of implementation of the Plan is required to be submitted to MoEF&CC through the Six Monthly Environment Clearance Compliance Report which is due for submission.

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

Thanking you.

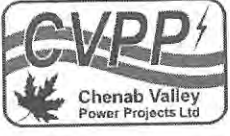
With warm regards,


(Ramesh Ojha)

General Manager (I/c) & HOP
Kiru HE Project

Copy to:

1. Chief Conservator of Forests & Nodal Officer (FCA) for information please.
2. Conservator of Forests, Chenab Circle, Doda for information please.
3. Group General Manager (Planning), CVPPL for information please.
4. DM(IT)-MD Sectt., CVPPL for information of the Managing Director.



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एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

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किरु जलविद्युत परियोजना

Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar (J&K)

फोन नं./Phone No: 01995-259505

Email: hopkuru@cvppindia.com

gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 548

Dated: 28.10.2025

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

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Ref: 1. Letter No. CVPPL/Kiru/GM(I/c)/2024/1007 dated 28.03.2025.

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Thanking you.

With warm regards,

Ramesh Ojha
(Ramesh Ojha)

**General Manager (I/c) & HOP
Kiru HE Project**

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Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar(J&K)

फोन नं./Phone No:01995-259505

Email: hopkuru@cvppindia.com

gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025/ 277

Dated: 14.07.2025

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

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Thanking you.

With warm regards,

Ramesh Ojha
(Ramesh Ojha)
**General Manager (I/c) & HOP
Kiru HE Project**

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2. Conservator of Forests, Chenab Circle, Doda for information please.
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4. DM(IT)-MD Sectt., CVPPL for information of the Managing Director.



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
Kiru HEPP.

No: KFD/2026-27/Gen./ 902-903

Dt: 22-05 -2026

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

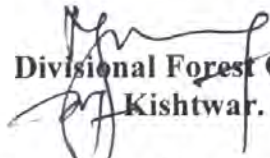
Ref:- Your office No: CVPPPL/Kiru/GM(I/C) 2026-27/30 dt: 18-04-2026 & No: CVPPPL/Kiru/GM (I/C) 2026-27/31 dt:18-04-026.

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 Kiru	2025-26	219.60	10.275	
2	BDMP Kiru	2025-26	8.40	0	

Yours faithfully,


Divisional Forest Officer,
Kishtwar.

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



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. DEPUTY COMMISSIONER
Kishtwar

Copy to the: -

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

Rehabilitation & Resettlement (R&R) Plan, KIRU (624 MW)

- Rehabilitation & Resettlement Plan of Kiru HEPP has been approved vide G.O. No. 11-DMRR&R of 2019 dated 07.03.2019.
- Executing Agency of Kiru HEPP project is CVPPL+JKPDC
- Implementation of R&R being done by Deputy Commissioner, Kishtwar/Commissioner R&R.
- Amount of R&R Plan Rs. 9956.22 Lakh
- Total Amount Received Rs. 5500.00 Lakh
- Amount Released/Utilized as on 10.02.2026 - **Rs. 5339.939 Lakh** (individual benefits=Rs. 3504.41 Lakh & LADP = Rs. 1605.739 Lakh & **Rs. 229.79 lakh** in Skill Dev Plan)
- Total Project Affected Families (PAFs)= 151 (Displaced= 92 and Non-displaced=59)

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. 3504.41 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 @Rs 33.00 Lakh each	3069.00	3036.00	3021.00	Paid to 92 eligible PAFs	An amount of Rs.15.00 Lakh has not been disbursed in full to 1 PAF house structure is still to be demolished
2.	Stamp Duty	715.15	0.00	0.00	No eligible PAFs	
3.	Cattle Shed @ 0.25 Lakh	39.75	15.75	15.75	Paid to 63 eligible PAFs	
4.	Transportation grant @ Rs 0.35 Lakh	32.55	31.50	31.50	Paid to 90 eligible PAFs	All PAFs paid as per eligibility
5.	Financial Assistance for Construction of workshed/Shop @Rs. 0.40 Lakh	63.60	0.00	0.00	No eligible PAFs	

6.	Scholarship to the PAF children @ 1000/ per month x 2 x PAF for 24 months (with additional 10% to female and disabled)	83.95	41.24	41.24	Paid to eligible children of 91 eligible PAFs	
7.	Rehabilitation Grant: Minimum Agriculture wages @ Rs. 1.69 Lakh	268.71	255.19	255.19	Paid to 151 eligible PAFs	All PAFs paid as per eligibility
8.	Subsistence Allowance: Minimum Agriculture wages @ Rs. 0.675 Lakh	62.78	62.10	62.10	Paid to 92 eligible PAFs	All PAFs paid as per eligibility
9.	Pension for vulnerable affected families @ Rs. 3.066 Lakh	487.50	0.00	0.00	No eligible PAFs	
10.	Transit Accommodation Allowance @ Rs. 0.30 Lakh	27.90	0.00	0.00	No eligible PAFs	
11.	Additional grant of ST PAF's (MAW/ 500 days MAW per PAF @ Rs 225 per MAW)	179.67	77.63	77.63	Paid to 69 eligible PAFs	
12.	Monitoring and Evaluation	250.00	0.00	0.00	Project is under implementation stage	
13.	Grants for seeds and fertilizers	39.77	0.00	0.00	PAFs are landless, accordingly not admissible at this stage.	
	Total	5320.33	3519.41	3504.41		

Local Area Development Plan (LADP)

- Under the LADP component, the total amount of Rs. 2887.00 Lakh has been approved against which 21 No. of works (Annex. A) costing Rs. 2887.00 Lakh are under implementation. An amount of Rs. 1605.739 Lakh has been released for the said works.
- Out of the total 21 No. of works, 14 works costing Rs. 1338.64 Lakh have been completed and remaining 08 works are at different stages of completion.

Skill Development Component:

- Under Skill Development Component Rs. 1748.89 Lakh (Rs. 38.16 lakh for training, Rs. 200.00 lakh for Skill Development Programme & Rs. 1510.73 lakh for Skill Mapping and Development Plan) has been approved.
- Funds utilized as on date Rs. 229.79 lakh (including Rs. 6.58 lakh incurred on admission for paramedical course student).

Action taken:

- The Skill Mapping of PAFs was carried out some time back which is now being assessed again.
- 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, electrician, tailor, computer operator etc. Pertinently, a total of 64 persons have given consent for undergoing various training courses (Annexure B).
- The ITI Kishtwar has started training of 09 No. of identified unemployed persons for Plumber course and 09 No. of identified unemployed persons for Electrician course and 04 number of identified unemployed youth for COPA. (Annexure B).
- Training of 20 No. of females in crochet work & 20 No. of females in cutting & tailoring work through Handicrafts Department has been completed. (Annexure B).
- Admission of 01 Anesthesia Technician & 02 D Pharmacy and 02 GNM Course has been done in Paramedical College.
- 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, 06 beneficiaries have been selected for undergoing training in trades viz. tailoring (03), carpentry (01), washer man (01) & masonry (01).
- Under LakhpatiDidi, 50 beneficiaries have been trained in trades viz. farming (32) & shops (08), livestock rearing (06) & tailoring (04).

The expected timeline for completion of all the above activities is 12 months.

LADP component of R&R Plan of Kiru HEPP

S. No	Local Area Development Activities/ Social and Community Development Package		Amount (Rs. in lakh)	Amount Released/Utilized (Rs. in lakh)	Remarks
1	Education and Skill Development	a. Providing & upgrading of infrastructure to existing schools in Project Affected villages (HSS Nagseni- Rs. 63.97 Lakh	100.57	79.40	Work completed.
2		b. HS PathernakiRs 36.60 Lakh		29.00	Work completed.
3		c. Constt. of Hostel building at Kishtwar with accommodation facility for girls and boys PAFs (Project Affected Families)	450.00	0.00	Work allotted
4	Infrastructure Development and Public Utilities	a. Rural connectivity in affected area	300.00	231.252	Work completed
5		b. Upgrading and assistance to existing PHC at Keeru	100.00	60.64	Work Completed.
6		c. Community centres (repair and reconstruction of community hall at village)	32.00	32.00	Work Completed
7		d. Solar Street Lights in affected area	15.00	15.00	Work completed
8		e.Constt and fencing of graveyards and cremation places	50.00	44.567	Work completed
9		f. Sports and re creational infrastructure for youth in affected area (project name:indoor sports stadium and park)	400.00	184.00	33 % work completed and rest in progress and likely to be completed March, 2026(slab laid over ground floor . column str of first floor in progress)
10		g. Assistance for up gradation of irrigation facilities in affected area (DharbiKhul)	101.87	60.00	Work completed

11	Social Welfare schemes	a. Cold Storage Plant at Shalimar. Component wise details: Road work by PWD (R&B) Kishtwar --- 64.20 Lakh Work to be done by Mechanical Deptt (cold storage) = Rs. 204.80Lakh JKPDCL work- Rs. 25.00Lakh	294.00	260.00	Work completed
12		b. Milk Processing Unit at Dool.	40.00	40.00	Work completed
13	Miscellaneous Development activities (Amount placed at the Disposal of DC Kishtwar = Rs. 1000.00 Lakh)	Re-energizing of off-habitation of Sazar, Nawnatnoo and Bamani (DPRs submitted by ExEn JPDCL Kishtwar	147.00	147.00	Work completed
14		Education for All	98.95	80.00	Work completed
15		Mobile Digital Theatre (MDMT) for open screening in Kishtwar	104.25	69.00	Work completed
16		Creation of 6.3MVA receiving station at Doolalongwith 33KV line	280.38	140.00	Work in Progress(30% completed)
17		Bore-well @05 numbers (few in project affected families sites)	92.15	0.00	Work allotted.
18		Community Hall at Kishtwar	179.50	100.00	Tender floated
19	Miscellaneous Development Activities	Transformer and allied infrastructure for PHC Kiru (creation of 63KV sub-station at PHC Kiru)	5.00	4.00	Work completed
20		Providing of Grid connectivity to habitation of Chicha (Horta area)	36.90	29.88	Work under progress
21		Road connectivity for PHC Kiru including cost of land	59.43	0.00	Allotted & work started
Total			2887.00	1605.739	

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

S.No	Details of PAFs			Course Details after counseling at ITI	Site for training	Remarks
	Displaced	Non Displaced	Total			
1.	92	59	151	1. Plumber-09	ITI, Kishtwar	Course started w.e.f20.05.2025
2.				1. Electrician - 09		Course started w.e.f23.05.2025
3.				1. COPA (Computer Operator)-04		Course started w.e.f17.07.2025
4.				1. Cutting & Tailoring-01		Other beneficiaries identified to undergo training.

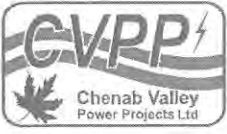
DETAILS OF BENEFICIARIES WHO HAVE OPTED FOR SKILL DEVELOPMENT PLAN (HANDICRAFTS DEPARTMENT)

S.No	Details of PAFs			Course Details/No. of Beneficiaries	Buildings available at project site/ rehabilitation site for training	Remarks
	Displaced	Non Displaced	Total			
1.	92	59	151	1. Crochet Craft-20 2. Cutting & Tailoring - 20	GalharBhata (02 centres)	Training completed

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

S.No	Details of PAFs			Course Details	Remarks
	Displaced	Non Displaced	Total		
1.	92	59	151	Anesthesia Tech.-01 D Pharmacy -02 GNM -02	Admission has been made.

Total Beneficiaries for undergoing Skill Development= 68 (ITI=22, Handicrafts=40, Health=05, Other Beneficiary=01).



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सीआईएन / CIN: U40105JK2011GOI003321

Annexure-II-e

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फोन नं/Phone No:01995-259505
Email: hpkiru@cvppindia.com
gmkkevpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 688

Dated: 20.12.2025

Commissioner R&R - Kiru HE Project &
Deputy Commissioner, Kishtwar.

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

Ref: 1. Letter No. CVPPL/Kiru/GM(I/c)/2025/281 dated 14.07.2025.
2. Letter No. CVPPL/Kiru/GM(I/c)/2025/546 dated 28.10.2025.

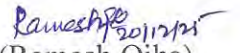
Sir,

In continuation to above cited letters it is submitted that the Environment Clearance for Kiru HE Project was accorded by MoEF&CC, Govt. of India in June 2016 stipulating the condition that – *“A monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.”*

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

Thanking you.

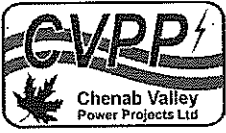
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(Ramesh Ojha)

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Kiru HE Project

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किरू जलविद्युत परियोजना
Kiru Hydroelectric Project
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फोन नं./Phone No:01995-259505
Email: hopkuru@cvppindia.com
gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 545

Dated: 28.10.2025

Commissioner R&R - Kiru HE Project &
Deputy Commissioner, Kishtwar.

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

Ref: Letter No. CVPPL/Kiru/GM(I/c)/2025/281 dated 14.07.2025.

Sir,

In continuation to above cited letter (copy enclosed) it is again submitted that the Environment Clearance for Kiru HE Project was accorded by MoEF&CC, Govt. of India in June 2016 stipulating the condition that – *“A monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.”*

During recent inspection conducted on 11.07.2025, the Sub-Office Jammu (Integrated Regional Office) of MoEF&CC raised the observation regarding non-compliance to this condition. Further, the current status is also required to be submitted to MoEF&CC through the Six Monthly Environment Clearance Compliance Report which is due for submission.

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

Thanking you.

With warm regards,

Ramesh Ojha
(Ramesh Ojha)

General Manager (I/c) & HOP
Kiru HE Project

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2. DM(IT)-MD Sectt., CVPPL for information of the Managing Director.

चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

Chenab Valley Power Projects Ltd.

A Joint Venture of NHPC Ltd. (A Govt. of India Enterprise) & JKSPDC (A Govt. of J & K Enterprise)

सीआईएन/CIN: U40105JK2011GOI003321

किरु जलविद्युत परियोजना

Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar (J&K)

फोन नं./Phone No: 01995-259505

Email: hopkiru@cvppindia.com

gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025/ 281

Dated: 14.07.2025

Commissioner R&R - Kiru HE Project &
Deputy Commissioner, Kishtwar.

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

Sir,

Environment Clearance for Kiru HE Project was accorded by MoEF&CC, Govt. of India in June 2016 wherein a condition was stipulated that – *“A monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representative from SC/ST category and a woman beneficiary.”*

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

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

Thanking you.

With warm regards,

Ramesh Ojha
(Ramesh Ojha)

General Manager (I/c) & HOP
Kiru HE Project



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

phone/Fax: 01995-261455/261466, E-mail: dckkishtwar-jk@nic.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

21/2/26

 Deputy Commissioner,
 Kishtwar

Copy to the:-

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



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

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सीआईएन/ CIN: U40105JK2011GOI003321

Annexure-II-g

किरू जलविद्युत परियोजना

Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar (J&K)

फोन नं./Phone No: 01995-259505

Email: hoppkuru@cvppindia.com

gmkckvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2026-27/31

Dated: 18.04.2026

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

Sub: Kiru HE Project – Implementation Status of Biodiversity Conservation & Management Plan.

Ref: 1. Letter No. CVPPL/Kiru/GM(I/c)/2024/670 dated 28.11.2024.
2. Letter No. CVPPL/Kiru/GM(I/c)/2025-26/13 dated 05.04.2025.
3. Letter No. CVPPL/Kiru/GM(I/c)/2025/278 dated 14.07.2025

Sir,

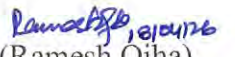
An amount of Rs. 139.80 lacs was deposited in CAMPA Account on 25.11.2024 for implementation of the Biodiversity Conservation and Management Plan of Kiru HE Project (624MW).

The current status of implementation of the Plan is required to be submitted to MoEF&CC through the Six Monthly Environment Clearance Compliance Report which is due for submission.

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

Thanking you,

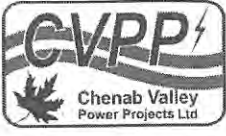
With warm regards,


(Ramesh Ojha)

General Manager (I/c) & HOP
Kiru HE Project

Copy to:

1. Chief Conservator of Forests & Nodal Officer (FCA) for information please.
2. Conservator of Forests, Chenab Circle, Doda for information please.
3. Group General Manager (Planning), CVPPL for information please.
4. DM(IT)-MD Sectt., CVPPL for information of the Managing Director.



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड
एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

Chenab Valley Power Projects Limited

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

सीआईएन/ CIN: U40105JK2011GOI003321

किरु जलविद्युत परियोजना
Kiru Hydroelectric Project
Chenab Nagar-II, Kishtwar(J&K)
फोन नं./Phone No:01995-259505
Email: hopkuru@cvppindia.com
gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 547

Dated: 28.10.2025

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

Sub: Kiru HE Project – Implementation Status of Biodiversity Conservation & Management Plan.

- Ref: 1. Letter No. CVPPL/Kiru/GM(I/c)/2024/670 dated 28.11.2024.**
2. Letter No. CVPPL/Kiru/GM(I/c)/2025-26/13 dated 05.04.2025.
3. Letter No. CVPPL/Kiru/GM(I/c)/2025/278 dated 14.07.2025

Sir,

An amount of Rs. 139.80 lacs was deposited in CAMPA Account on 25.11.2024 for implementation of the Biodiversity Conservation and Management Plan of Kiru HE Project (624MW).

The current status of implementation of the Plan has been sought by Sub-Office Jammu (Integrated Regional Office) of MoEF&CC during recent inspection of Project conducted on 11.07.2025. Further, the current status is also required to be submitted to MoEF&CC through the Six Monthly Environment Clearance Compliance Report which is due for submission.

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

Thanking you.

With warm regards,


(Ramesh Ojha)
General Manager (I/c) & HOP
Kiru HE Project

Copy to:

- 1. Chief Conservator of Forests & Nodal Officer (FCA) for information please.**
- 2. Conservator of Forests, Chenab Circle, Doda for information please.**
- 3. Group General Manager (Planning), CVPPL for information please.**
- 4. DM(IT)-MD Sectt., CVPPL for information of the Managing Director.**

चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक उद्यम) और जेकेएसपीडीसी(जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

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Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar(J&K)

फोन नं./Phone No:01995-259505

Email: hopkuru@cvppindia.com

gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025/ 278

Dated: 14.07.2025

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

Sub: Kiru HE Project – Implementation Status of Biodiversity Conservation & Management Plan.

Ref: 1. Letter No. CVPPL/Kiru/GM(I/c)/2024/670 dated 28.11.2024.

2. Letter No. CVPPL/Kiru/GM(I/c)/2025-26/13 dated 05.04.2025.

Sir,

An amount of Rs. 139.80 lacs was deposited in CAMPA Account on 25.11.2024 for implementation of the Biodiversity Conservation and Management Plan of Kiru HE Project (624MW).

The current status of implementation of the Plan has been sought by Sub-Office Jammu (Integrated Regional Office) of MoEF&CC during recent inspection of Project conducted on 11.07.2025.

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

Thanking you.

With warm regards,

Ramesh Ojha
(Ramesh Ojha)
General Manager (I/c) & HOP
Kiru HE Project

Copy to:

1. Chief Conservator of Forests & Nodal Officer (FCA) for information please.
2. Conservator of Forests, Chenab Circle, Doda for information please.
3. Group General Manager (Planning), CVPPL for information please.
4. DM(IT)-MD Sectt., CVPPL for information of the Managing Director.



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

Annexure-II-h

The General Manager,
I/C Head of Project
Kiru HEPP.

No: KFD/2026-27/Gen./ 902-903

Dt: 22-05 -2026

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

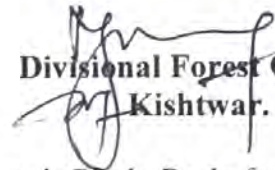
Ref:- Your office No: CVPPPL/Kiru/GM(I/C) 2026-27/30 dt: 18-04-2026 & No: CVPPPL/Kiru/GM (I/C) 2026-27/31 dt:18-04-026.

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 Kiru	2025-26	219.60	10.275	
2	BDMP Kiru	2025-26	8.40	0	

Yours faithfully,


Divisional Forest Officer,
Kishtwar.

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



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

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सीआईएन / CIN: U40105JK2011GOI003321

Annexure-II-i

किरु जलविद्युत परियोजना

Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar (J&K)

फोन नं./Phone No: 01995-259505

Email: hoppkiru@cvppindia.com

gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2026-27/ 28

Date: 18.04.2026

The Director

J&K Fisheries Department,

Jammu/Srinagar.

Email: jkfdjmu@gmail.com

Sub: Implementation of Fisheries Development Plan of Kiru HE Project.

- Ref:** 1. Letter No. DF/Plg/NHPC/2024/593(B) dated 31.05.2024.
2. Letter No. CVPPL/Kiru/HoP/2024/387 dated 06.08.2024.
3. Letter No. ADF/Ktr/2025-26/160-63 dated 29.05.2025.
4. Letter No. CVPPL/Kiru/GM(I/c)/2025-26/280 dated 14.07.2025

Sir,

An amount of Rs. 798.59 lacs was deposited with J&K Fisheries Department on 22.07.2024 for implementation of the Fisheries Development Plan under EMP of Kiru HE Project (624MW).

It is pertinent to mention here that Kiru HE Project is scheduled for commissioning in December 2026, whereas, the implementation of Fisheries Development Plan is still in its initial stage.

The status of implementation of Fisheries Development Plan is to be submitted to MoEF&CC, Govt. of India through the six monthly Environment Clearance Compliance Report.

In this regard, it is requested that final copy of approved DPR of Fisheries Development Plan along with the current status of implementation thereof (physical and financial progress) may kindly be provided for onward submission to MoEF&CC, Govt. of India.

Thanking you.

With Warm Regards,


(Ramesh Ojha)

General Manager (I/c) & HOP
Kiru HE Project

- Copy to:** 1. Assistant Director, J&K Fisheries Department, Kishtwar for information please.
2. GGM (Planning), CVPPL for information please.
3. DM(IT) MD Secretariat, CVPPL for information of MD CVPPL.



चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड
एनएचपीसी लिमिटेड (भारत सरकार का एक नवरत्न उद्यम) और जेकेएसपीडीसी (जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

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किरु जलविद्युत परियोजना
Kiru Hydroelectric Project
Chenab Nagar-II, Kishtwar (J&K)
फोन नं./Phone No: 01995-259505
Email: hpkiru@cvppindia.com
gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 552

Date: 28.10.2025

The Director

J&K Fisheries Department,

Jammu/Srinagar.

Email: jkfdjmu@gmail.com

Sub: Implementation of Fisheries Development Plan of Kiru HE Project.

- Ref: 1. Letter No. DF/Plg/NHPC/2024/593(B) dated 31.05.2024.
2. Letter No. CVPPL/Kiru/HoP/2024/387 dated 06.08.2024.
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4. Letter No. CVPPL/Kiru/GM(I/c)/2025-26/280 dated 14.07.2025

Sir,

An amount of Rs. 798.59 lacs was deposited with J&K Fisheries Department on 22.07.2024 for implementation of the Fisheries Development Plan under EMP of Kiru HE Project (624MW).

Subsequently, Assistant Director Fisheries Kishtwar vide letter dated 29.05.2025 informed that an amount of Rs. 274 lacs has been released in favour of Collector Land Acquisition Padder for acquisition of the land.

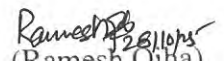
It is pertinent to mention here that the implementation of Fisheries Development Plan is required to be completed prior to commissioning of the Project. As such, the Project is scheduled for commissioning in December 2026, whereas, the implementation of Fisheries Development Plan is still in its initial stage. Observation regarding delay in implementation of the Plan has also been raised during recent inspection conducted by Sub-Office Jammu (Integrated Regional Office) of MoEF&CC.

In view of above, it is requested that the implementation of Fisheries Development Plan may kindly be expedited for its timely completion coinciding with commissioning of Kiru HE Project.

Further, the final copy of approved DPR of Fisheries Development Plan along with current status of implementation thereof (physical and financial progress) may kindly be provided for onward submission to MoEF&CC, Govt. of India.

Thanking you.

With Warm Regards,


(Ramesh Ojha)

General Manager (I/c) & HOP
Kiru HE Project

- Copy to: 1. Assistant Director, J&K Fisheries Department, Kishtwar for information please.
2. GGM (Planning), CVPPL for information please.
3. DM(IT) MD Secretariat, CVPPL for information of MD CVPPL.

चिनाब वैली पावर प्रोजेक्ट्स लिमिटेड

एनएचपीसी लिमिटेड (भारत सरकार का एक उद्यम) और जेकेएसपीडीसी(जम्मू एवं कश्मीर सरकार का एक उद्यम) का एक संयुक्त उद्यम

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किरु जलविद्युत परियोजना

Kiru Hydroelectric Project

Chenab Nagar-II, Kishtwar(J&K)

फोन नं./Phone No:01995-259505

Email: hopkuru@cvppindia.com

gmkkcvpp@gmail.com

CVPPL/Kiru/GM(I/c)/2025-26/ 280

Date: 14.07.2025

The Director

J&K Fisheries Department,

Jammu/Srinagar.

Email: jkfdjmu@gmail.com

Sub: Implementation of Fisheries Development Plan of Kiru HE Project.

Ref: 1. Letter No. DF/Plg/NHPC/2024/593(B) dated 31.05.2024.

2. Letter No. CVPPL/Kiru/HoP/2024/387 dated 06.08.2024.

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Sir,

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Subsequently, Assistant Director Fisheries Kishtwar vide letter dated 29.05.2025 informed that an amount of Rs. 274 lacs has been released in favour of Collector Land Acquisition Padder for acquisition of the land.

It is pertinent to mention here that the implementation of Fisheries Development Plan is required to be completed prior to commissioning of the Project. As such, the Project is scheduled for commissioning in September 2026, whereas, the implementation of Fisheries Development Plan is still in its initial stage. Observation regarding delay in implementation of the Plan has also been raised during recent inspection conducted by Sub-Office Jammu (Integrated Regional Office) of MoEF&CC.

In view of above, it is requested that the implementation of Fisheries Development Plan may kindly be expedited for its timely completion coinciding with commissioning of Kiru HE Project.

Further, the final copy of approved DPR of Fisheries Development Plan along with current status of implementation thereof (physical and financial progress) may kindly be provided for onward submission to MoEF&CC, Govt. of India.

Thanking you.

With Warm Regards,

Ramesh Ojha
(Ramesh Ojha)

**General Manager (I/c) & HOP
Kiru HE Project**

Copy to: 1. Assistant Director, J&K Fisheries Department, Kishtwar for information please.

2. GGM (Planning), CVPPL for information please.

3. DM(IT) MD Secretariat, CVPPL for information of MD CVPPL.

Brief Profile of the Project

Field	Details
Project Name	Trout Fish Farm at Kijai Paddar under EMP of Kiru Hydro Electric Power Project
Funding Agency	Chenab Valley Power Projects (P) Ltd (CVPPPL)
Amount Approved	₹798.59 lakh
Land Identified	Kijai, Paddar
Location for Establishment of Unit	Kijai in Paddar area of District Kishtwar
Funds Transferred to Director Fisheries	₹798.59 lakh
Funds Transferred to Collector, Land Acquisition Paddar	₹274.00 lakh
Status of Land Acquisition	39 kanal of Land identified at Kijai Paddar has been demarcated through collector land acquisition (SDM) Paddar Distt kishtwar, handed over to Fisheries Department .
Executing Agency	PWD (R&B) Division Paddar
Status of DPR	Administrative Approval (AAA) amounting to ₹784.94 lakh accorded and DPR submitted to the office of the Executive Engineer, PWD (R&B) Division Paddar. At present XEN PWD R&B Division Paddar has hired consultancy for architectural designs for establishment of Fish Farming Project at Kijai Paddar.
Implementing Agency	Department of Fisheries, District Kishtwar
Funds Transferred to Executing Agency	Nil


 ADF
 12/6



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

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

The General Manager
(I/C) & HOP Kiru HE Project
Chenab Nagar-II Kishtwar

No: ADF/Ktr/2025-26/160 -63

Dated: 29 /05/2025

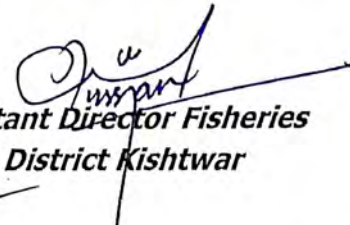
Subject: -Implementation of Fisheries Development Plan of Kiru HE Project—regarding Physical and Financial status.

Ref. No: - CVPP/Kiru/GM (I/C) 2025-26/16 Dated: 05-04-2025.

Sir,

In reference to the subject and reference cited above, an amount of Rs.274.00 lacs has been transferred and placed at the disposal of Collector Land Acquisition (Sub-Divisional Magistrate) Paddar for disbursement among the rightful land owners. The formulation of DPR for establishment of Kiru HE Project is also under process.

Hence, the information is submitted for your kind perusal please.


Assistant Director Fisheries
District Kishtwar

Copy to the: -

1. The District Development Commissioner, Kishtwar for favour of kind information please.
2. Director Fisheries UT of J&K Govt. for favour of kind information please.
3. Joint Director Fisheries (CV) Jammu for favour of information please.



TEST REPORT

Report No.	140526N-E-001	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Surface Water River				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	5 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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Up Stream of Coffor Dam				
Date of Sampling	07/05/2026				
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	-	-	7.34	APHA 4500H+B 24th Edition, 2023
2	Alkalinity as CaCO ₃	mg/L	-	156	APHA 2320 B 24th Edition, 2023
3	Calcium as Ca	mg/L	-	27.8	APHA 3500-Ca B 24th Edition, 2023
4	Chloride as Cl	mg/L	-	21.6	APHA 4500Cl- B 24th Edition, 2023
5	Magnesium as Mg	mg/L	-	20.1	APHA 3500 Mg B 24th Edition, 2023
6	Dissolved Oxygen (DO)	mg/L	-	6.4	CPCB Guide Manual: Water & waste water

Reviewed by
20/05/26



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.		140526N-E-001		Issue Date	20/05/2026	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	-	152	APHA 2340C 24th Edition, 2023	
8	Total Dissolved Solids	mg/L	-	180	APHA 2540 C 24th Edition, 2023	
9	Sulphate as SO ₄	mg/L	-	9.4	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	-	0.0876	APHA 3120 B 24th Edition, 2023	
13	Lead as Pb	mg/L	-	0.0028	APHA 3120 B 24th Edition, 2023	
14	Manganese as Mn	mg/L	-	0.0025	APHA 3120 B 24th Edition, 2023	
	Biological Testing (Water)	-	-	-	-	
15	Faecal Coliforms	MPN/100ml	-	94	IS 1622:1981	
16	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	-	8.0	CPCB Guide Manual:Water & waste water Analysis	
17	Chemical Oxygen Demand	mg/L	-	20.4	CPCB Guide Manual:Water & waste water Analysis	

Opinion : N/A

Remarks: 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****

Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-002	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Surface Water River				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	5 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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Down Stream of Dam				
Date of Sampling	07/05/2026				
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	-	134	APHA 2320 B 24th Edition, 2023
3	Calcium as Ca	mg/L	-	28.1	APHA 3500-Ca B 24th Edition, 2023
4	Chloride as Cl	mg/L	-	16.4	APHA 4500Cl- B 24th Edition, 2023
5	Magnesium as Mg	mg/L	-	19.2	APHA 3500 Mg B 24th Edition, 2023
6	Dissolved Oxygen (DO)	mg/L	-	6.6	CPCB Guide Manual: Water & waste water

Reviewed by
20/05/26



Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-002		Issue Date	20/05/2026	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	-	149	APHA 2340C 24th Edition, 2023	
8	Total Dissolved Solids	mg/L	-	187	APHA 2540 C 24th Edition, 2023	
9	Sulphate as SO ₄	mg/L	-	12.6	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	-	0.0848	APHA 3120 B 24th Edition, 2023	
13	Lead as Pb	mg/L	-	0.0022	APHA 3120 B 24th Edition, 2023	
14	Manganese as Mn	mg/L	-	0.0010	APHA 3120 B 24th Edition, 2023	
	Biological Testing (Water)	-	-	-	-	
15	Faecal Coliforms	MPN/100ml	-	109	IS 1622:1981	
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	-	16.3	CPCB Guide Manual:Water & waste water Analysis	

Opinion : N/A

Remarks: 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

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-003	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Waste Water(Batching Plant)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	CP-30, Near Main Office.				
Date of Sampling	10/05/2026				
Env. Condition during Sampling	4±2°C				
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5 - 9.0	7.25	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	102	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	14	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664



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Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-003		Issue Date	20/05/2026	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	32	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

End of Report

Authorised signatory



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Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-004	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Waste Water (Batching Plant)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	CP-30, Base Camp.				
Date of Sampling	10/05/2026				
Env. Condition during Sampling	4±2°C				
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.29	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max 250	114.2	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	18.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	5.2	EPA Method 1664



Reviewed by

Authorised signatory



Idma Laboratories Limited

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TEST REPORT

Report No.		140526N-E-004		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	505	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	34	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 *[Signature]*
20/05/26



****End of Report****

[Signature]
20/05/26
Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-005	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Waste Water (Batching Plant)			
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	CP 240, Base Camp			
Date of Sampling	10/05/2026			
Env. Condition during Sampling	4±2°C			
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.37	APHA 4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	122.4	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	16.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	4.2	EPA Method 1664

Reviewed by
20/05/26



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TEST REPORT

Report No.		140526N-E-005		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	445	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	39	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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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-006	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Waste Water (Batching Plant)			
Customer's Ref No. & Date #	E-MAIL	Dated#	05/05/2026	
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 Laboratories			
Sample Quantity#	1 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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	CP-240, Base Camp.			
Date of Sampling	10/05/2026			
Env. Condition during Sampling	4±2°C			
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.64	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	110.2	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
20/05/26



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Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-006		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	550	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	46	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,

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-E-007	Issue Date	20/05/2026	Page No.	1/2	
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir					
Customer Name & Contact Information#	Mr Alok Kumar					
Description of Sample#	Waste Water (Crusher Plant)					
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026	
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 Laboratories					
Sample Quantity#	1 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)	Yes: Idma Representative Team					
Sampling Location (Diagram, Sketch, Photo)	Primary Crusher Patherdaki					
Date of Sampling	07/05/2026					
Env. Condition during Sampling	4±2°C					
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition					
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	126.5	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	18.0	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,

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TEST REPORT

Report No.		140526N-E-007		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	435	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

Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-008	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Waste Water (Crusher Plant)			
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	Crusher Plant, 600 TPH Base Camp			
Date of Sampling	10/05/2026			
Env. Condition during Sampling	4±2°C			
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.57	APHA 4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	142.8	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	18.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664

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

Authorised signatory
[Signature]



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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TEST REPORT

Report No.		140526N-E-008		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	625	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



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	140526N-E-009	Issue Date	20/05/2026	Page No.	1/2	
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir					
Customer Name & Contact Information#	Mr Alok Kumar					
Description of Sample#	Waste Water (Mess)					
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026	
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 Laboratories					
Sample Quantity#	1 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)	Yes: Idma Representative Team					
Sampling Location (Diagram, Sketch, Photo)	Camp Near Main Office					
Date of Sampling	10/05/2026					
Env. Condition during Sampling	4±2°C					
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition					
Testing Protocol	CPCB					

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5 - 9.0	7.36	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	155.0	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	24.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	5.0	EPA Method 1664

Reviewed by



Authorised signatory



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Idma Corporate Park,

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TEST REPORT

Report No.		140526N-E-009		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	489	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	30	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.	140526N-E-010	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Waste Water (Mess)			
Customer's Ref No. & Date #	E-MAIL	Dated#	05/05/2026	
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 Laboratories			
Sample Quantity#	1 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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	Worker Camp Pather Naki			
Date of Sampling	10/05/2026			
Env. Condition during Sampling	4±2°C			
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition			
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	151.0	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	22.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	4.9	EPA Method 1664

Reviewed by

Dipti Jain

Authorised signatory

Kartar Singh
Tech. Mer

Idma Laboratories Limited

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TEST REPORT

Report No.		140526N-E-010		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	608	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	56	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 Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-011	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Waste Water (Mess)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Base Camp Near Workshop				
Date of Sampling	10/05/2026				
Env. Condition during Sampling	4±2°C				
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.25	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	138.7	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	5.3	EPA Method 1664

Reviewed by



Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-011		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	427	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	48	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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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-012	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Waste Water (Mess)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Officer Colony Padyarna				
Date of Sampling	10/05/2026				
Env. Condition during Sampling	4±2°C				
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5- 9.0	7.18	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	81.6	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	10	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4	EPA Method 1664



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Tel No. 0172 - 5064827, - 5064830

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Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-012		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	480	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	30	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****

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

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TEST REPORT

Report No.	140526N-E-013	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Waste Water (Mess)			
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	Dam Site Worker Camp			
Date of Sampling	07/05/2026			
Env. Condition during Sampling	4±2°C			
Sampling Plan, Sampling Method	APHA 1060 B & C 24th Edition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.26	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	85.7	CPCB Guide Manual: Water & waste water Analysis
3	Biochemical Oxygen Demand (BOD), 3-days at 27 °C	mg/L	Max. 30	20.0	CPCB Guide Manual: Water & waste water Analysis
4	Oil & Grease	mg/L	Max. 10	<4.0	EPA Method 1664

Reviewed by
20/05/26

Authorised signatory
20/05/26



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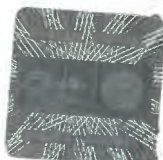
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TEST REPORT

Report No.		140526N-E-013		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	492	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	37	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

****End of Report****

Authorised signatory



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Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-014	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Work Zone air (Noxious Gas)				
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026	
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	MAT Power House Complex				
Date of Sampling	07/05/2026				
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	NO2	mg/m ³	Max. 09	0.031	LAB/SOP/WZ-NO2-001
2	CO	ppm	Max. 50	0.39	LAB/SOP/WZ-CO-001
3	Hydrogen sulfide (H2S)	ppm	Max. 10	0.028	LAB/SOP/WZ-H2S-001
4	CO2	ppm	Max. 5000	896	LAB/SOP/WZ-CO2-001
5	O2	%	19.5-23.5	20.8	LAB/SOP/WZ-O2-001

Reviewed by
[Signature]



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TEST REPORT

Report No.		140526N-E-014		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Silica (SiO ₂)	ug/m ³	Max 50	0.41	LAB/SOP/WZ-Si-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,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-015	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Work Zone Air (Noxious Gas)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	TC				
Date of Sampling	07/05/2026				
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	NO2	mg/m ³	Max. 09	0.019	LAB/SOP/WZ-NO2-001
2	CO	ppm	Max. 50	0.47	LAB/SOP/WZ-CO-001
3	Hydrogen sulfide (H2S)	ppm	Max. 10	0.028	LAB/SOP/WZ-H2S-001
4	CO2	ppm	Max. 5000	693	LAB/SOP/WZ-CO2-001
5	O2	%	19.5-23.5	20.9	LAB/SOP/WZ-O2-001

Reviewed by
20/05/26



Authorised signatory



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TEST REPORT

Report No.		140526N-E-015		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Silica (SiO ₂)	µg/m ³	Max 50	0.38	LAB/SOP/WZ-SiO ₂ -001	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



Signature of Authorised signatory, dated 20/05/26.



End of Report

Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-016	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Work Zone Air (Noxious Gas)			
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 No			
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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	CVT			
Date of Sampling	07/05/2026			
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	NO2	µg/m³	Max. 09	0.025	LAB/SOP/WZ-NO2-001
2	CO	ppm	Max. 50	0.49	LAB/SOP/WZ-CO-001
3	Hydrogen sulfide (H2S)	ppm	Max. 10	0.022	LAB/SOP/WZ-H2S-001
4	CO2	ppm	Max. 5000	784	LAB/SOP/WZ-CO2-001
5	O2	%	19.5-23.5	21.3	LAB/SOP/WZ-O2-001

Reviewed by
Dipti Jain
Asst. Tech. Manager

Authorised signatory
Kartar Singh
Tech. Mgr.
Idma Laboratories Ltd.
Panchkula

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Idma Corporate Park,

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TEST REPORT

Report No.		140526N-E-016		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Silica (SiO ₂)	µg/m ³	Max. 50	0.58	LAB/SOP/WZ-Si-001	

Opinion : N/A

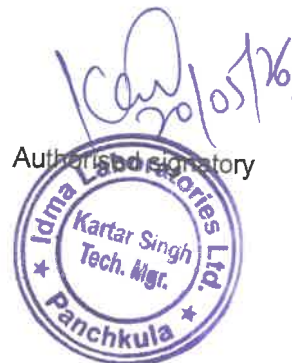
Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



****End of Report****



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TEST REPORT

Report No.	140526N-E-017	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Work Zone Air (Noxious Gas)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	TRT (Tail Race Tunnel)				
Date of Sampling	07/05/2026				
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	NO2	mg/m ³	Max. 09	0.034	LAB/SOP/WZ-NO2-001
2	CO	ppm	Max. 50	0.35	LAB/SOP/WZ-CO-001
3	Hydrogen sulfide (H2S)	ppm	Max. 10	0.037	LAB/SOP/WZ-H2S-001
4	CO2	ppm	Max. 5000	862	LAB/SOP/WZ-CO2-001
5	O2	%	19.5- 23.5	21.0	LAB/SOP/WZ-O2-001



Reviewed by

140526N-E-017
Authorised signatory

Idma Laboratories Limited

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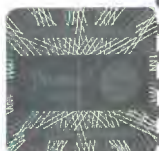
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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-017		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Silica (SiO ₂)	µg/m ³	Max 50	0.44	LAB/SOP/WZ-Si-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,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-018	Issue Date	20/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Batching Plant CP-240, Base Camp				
Date of Sampling	07/05/2026				
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	62.5	EPA Guideline Manual July 2008

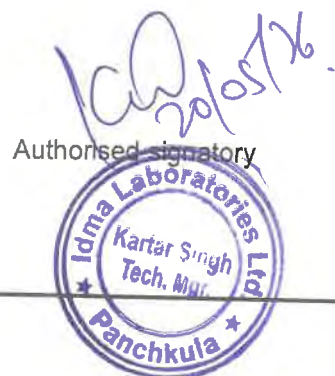
Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

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End of Report



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-019	Issue Date	20/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026	
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Crusher Plant 600 TPM, Base Camp				
Date of Sampling	07/05/2026				
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	63.3	EPA Guideline Manual July 2008

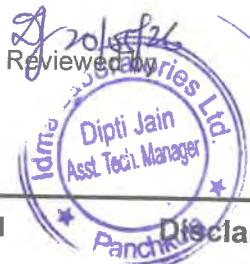
Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.

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Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-020	Issue Date	20/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Primary Crusher Plant Pathernaki				
Date of Sampling	07/05/2026				
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	72.2	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	67.4	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



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-021	Issue Date	20/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	CP-30 Batching Plant, Near Main Office				
Date of Sampling	10/05/2026				
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	64.6	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



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TEST REPORT

Report No.	140526N-E-022	Issue Date	20/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Batching Plant CP-30 Base Camp				
Date of Sampling	10/05/2026				
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	62.7	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	57.6	EPA Guideline Manual July 2008

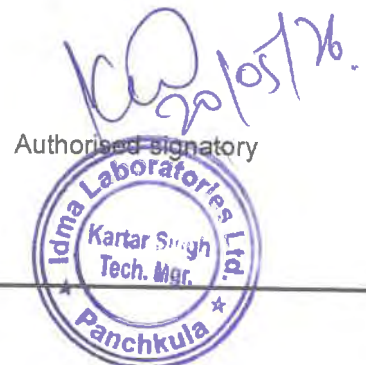
Opinion : N/A

Remarks : N/A

Specific test condition, if any : N/A

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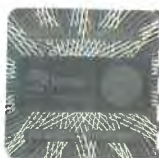
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TEST REPORT

Report No.	140526N-E-023	Issue Date	20/05/2026	Page No.	1/1
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Mr Alok Kumar				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Batching Plant CP-240, Base Camp				
Date of Sampling	10/05/2026				
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	71.7	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	63.8	EPA Guideline Manual July 2008

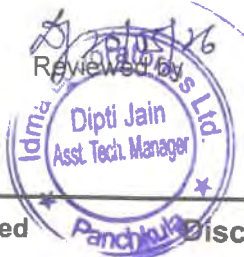
Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

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End of Report



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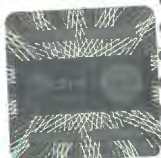
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TEST REPORT

Report No.	140526N-E-024	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Batching Plant CP-240, Base Camp				
Date of Sampling	07/05/2026				
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	PM10	$\mu\text{g}/\text{m}^3$	Max. 100	85.3	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	$\mu\text{g}/\text{m}^3$	Max. 80	19.4	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	$\mu\text{g}/\text{m}^3$	Max. 80	22.5	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	$\mu\text{g}/\text{m}^3$	Max. 400	27.2	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)

Reviewed by: 
Dipak 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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TEST REPORT

Report No.		140526N-E-024		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	41.0	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.53	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	22.1	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	<2	NAAQMS/36/2012-13(GC method)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m³	Max. 1	<0.9	NAAQMS/36/2012-13(GC method)	
10	Arsenic	ng/m³	Max. 6	<1	NAAQMS/36/2012-13	
11	Nickel	ng/m³	Max. 20	<5	NAAQMS/36/2012-13	
12	Lead	µg/m³	Max. 1	<0.1	NAAQMS/36/2012-13	

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.	140526N-E-025	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Crusher Plant 600 TPH Base Camp				
Date of Sampling	07/05/2026				
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	PM10	µg/m³	Max. 100	78.4	NAAQMS/36/2012-13(Gravimetric method)
2	SO2	µg/m³	Max. 80	16.7	NAAQMS/36/2012-13(Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	19.5	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	25.4	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)

Reviewed by



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.		140526N-E-025		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	39.9	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.43	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	21.2	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	<2	NAAQMS/36/2012-13(GC method)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m³	Max. 1	<0.9	NAAQMS/36/2012-13(GC method)	
10	Arsenic	ng/m³	Max. 6	<1	NAAQMS/36/2012-13	
11	Nickel	ng/m³	Max. 20	<5	NAAQMS/36/2012-13	
12	Lead	µg/m³	Max. 1	<0.1	NAAQMS/36/2012-13	

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

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-026	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Primary Crusher Patherdaki				
Date of Sampling	07/05/2026				
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	PM10	µg/m³	Max. 100	80.2	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	14.6	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	18.3	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	22.0	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)

20/05/26
Reviewed by



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TEST REPORT

Report No.		140526N-E-026		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	32.9	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.37	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	20.4	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	<2	NAAQMS/36/2012-13(GC method)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m³	Max. 1	<0.9	NAAQMS/36/2012-13(GC method)	
10	Arsenic	ng/m³	Max. 6	<1	NAAQMS/36/2012-13	
11	Nickel	ng/m³	Max. 20	<5	NAAQMS/36/2012-13	
12	Lead	µg/m³	Max. 1	<0.1	NAAQMS/36/2012-13	

Opinion : N/A

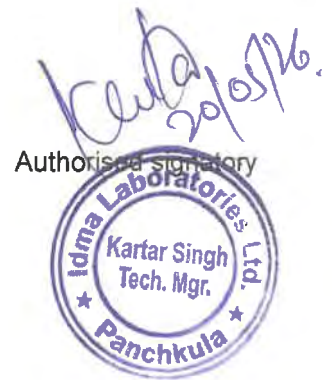
Remarks: N/A

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.	140526N-E-027	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name &Contact Information#	Mr Alok Kumar			
Description of Sample#	Ambient Air			
Customer's Ref No.& Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 No			
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)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	Batching Plant CP-30,Near Main Office			
Date of Sampling	10/05/2026			
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	PM10	µg/m³	Max. 100	79.6	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	16.0	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	18.9	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	25.4	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)



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TEST REPORT

Report No.		140526N-E-027		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	38.2	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.33	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	21.4	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	<2	NAAQMS/36/2012-13(GC method)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m³	Max. 1	<0.9	NAAQMS/36/2012-13(GC method)	
10	Arsenic	ng/m³	Max. 6	<1	NAAQMS/36/2012-13	
11	Nickel	ng/m³	Max. 20	<5	NAAQMS/36/2012-13	
12	Lead	µg/m³	Max. 1	<0.1	NAAQMS/36/2012-13	

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.	140526N-E-028	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Ambient Air			
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 No			
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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	Batching Plant CP-30, Base Camp			
Date of Sampling	10/05/2026			
Env. Condition during Sampling	Ambient Condition			
Sampling Plan, Sampling Method	NAAQMS/36/2012-13 USEPA:2013			
Testing Protocol	NAAQS			

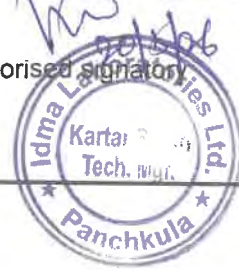
RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM10	µg/m³	Max. 100	79.4	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	17.9	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	20.7	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	24.5	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-028		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	40.2	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.41	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	20.6	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	<2	NAAQMS/36/2012-13(GC method)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m³	Max. 1	<0.9	NAAQMS/36/2012-13(GC method)	
10	Arsenic	ng/m³	Max. 6	<1	NAAQMS/36/2012-13	
11	Nickel	ng/m³	Max. 20	<5	NAAQMS/36/2012-13	
12	Lead	µg/m³	Max. 1	<0.1	NAAQMS/36/2012-13	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.

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****End of Report****

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TEST REPORT

Report No.	140526N-E-029	Issue Date	20/05/2026	Page No. 1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir			
Customer Name & Contact Information#	Mr Alok Kumar			
Description of Sample#	Ambient Air			
Customer's Ref No. & Date #	E-MAIL		Dated#	05/05/2026
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 Laboratories			
Sample Quantity#	1 No			
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)	Yes: Idma Representative Team			
Sampling Location (Diagram, Sketch, Photo)	Batching Plant CP-240, Base Camp			
Date of Sampling	10/05/2026			
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	PM10	µg/m³	Max. 100	76.0	NAAQMS/36/2012-13(Gravimetric method)
2	SO2	µg/m³	Max. 80	14.8	NAAQMS/36/2012-13(Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	17.6	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	20.7	NAAQMS/36/2012-13(Modified Jacob & Hochheiser method)

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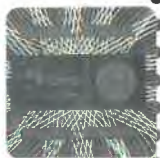
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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-029		Issue Date	20/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	36.2	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.45	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	21.9	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	<2	NAAQMS/36/2012-13(GC method)	
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m³	Max. 1	<0.9	NAAQMS/36/2012-13(GC method)	
10	Arsenic	ng/m³	Max. 6	<1	NAAQMS/36/2012-13	
11	Nickel	ng/m³	Max. 20	<5	NAAQMS/36/2012-13	
12	Lead	µg/m³	Max. 1	<0.1	NAAQMS/36/2012-13	

Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

Represents details provided by the customer.



Reviewed by

End of Report



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-030	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 500 KVA, Base Camp DG Room Cummins (EM007384)				
Date of Sampling	07/05/2026				
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	72.6	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	102.9	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	77.5	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.4	EPA Guideline Manual July 2008



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-030	Issue Date	20/05/2026	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



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Haryana (India)

Tel No. 0172 - 5064827, - 5064830

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-031	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No.& Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	DG Set 500 KVA,Base Camp DG Room Cummins (EM007385)				
Date of Sampling	07/05/2026				
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	70.9	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	101.8	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	76.5	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.3	EPA Guideline Manual July 2008



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TEST REPORT

Report No.	140526N-E-031	Issue Date	20/05/2026	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.	140526N-E-032	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 1010 KVA, Base Camp DG Room Cummins (EM008998)				
Date of Sampling	07/05/2026				
Env. Condition during Sampling	N/A				
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	70.9	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	99.8	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	74.2	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.6	EPA Guideline Manual July 2008



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TEST REPORT

Report No.	140526N-E-032	Issue Date	20/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition,if any : N/A

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****End of Report****



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TEST REPORT

Report No.	140526N-E-033	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 1010 KVA, Base Camp DG Room Cummins (EM00899)				
Date of Sampling	07/05/2026				
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)	--	102.8	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	77.5	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.3	EPA Guideline Manual July 2008

Reviewed by
20/05/26



Authorised signatory



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TEST REPORT

Report No.	140526N-E-033	Issue Date	20/05/2026	Page No. 2/2
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Opinion : N/A

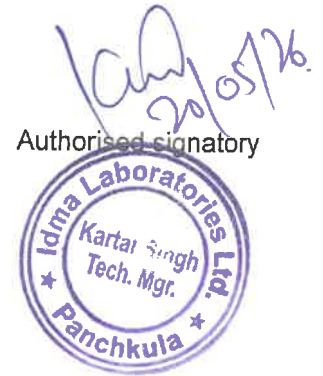
Remarks: N/A

Specific test condition, if any : N/A

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-034	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 600 KVA, Base Camp DG Room Caterpillar (EM007466)				
Date of Sampling	07/05/2026				
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	71.6	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	103.5	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	77.7	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.8	EPA Guideline Manual July 2008

Reviewed by

Dipti Jain
Asst. Test Manager


Authorised signatory

Kartar Singh
Tech. Mgr.


Idma Laboratories Limited

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TEST REPORT

Report No.	140526N-E-034	Issue Date	20/05/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

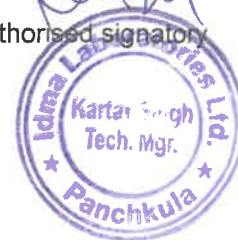
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Authorised signatory



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TEST REPORT

Report No.	140526N-E-035	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 500 KVA Cummins, Primary Crusher Pather Naki (EM007158)				
Date of Sampling	07/05/2026				
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	71.9	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	101.6	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	76.9	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.7	EPA Guideline Manual July 2008



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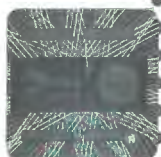
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TEST REPORT

Report No.	140526N-E-035	Issue Date	20/05/2026	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



Authorised signatory



End of Report

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Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-036	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 500 KVA Jaksons Ltd., TRT (EM005763)				
Date of Sampling	10/05/2026				
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	71.6	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	101.9	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	76.5	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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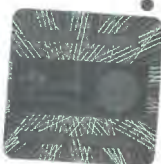
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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-036	Issue Date	20/05/2026	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.

20/05/26
Reviewed by



****End of Report****

20/05/26
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

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-037	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 250 KVA, Officer Camp (EM007158)				
Date of Sampling	10/05/2026				
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	72.6	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	101.7	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	76.1	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.6	EPA Guideline Manual July 2008

Reviewed by



Authorised signature



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TEST REPORT

Report No.	140526N-E-037	Issue Date	20/05/2026	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



Idma Laboratories Limited

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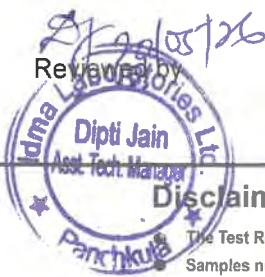
TEST REPORT

Report No.	140526N-E-038	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 125 KVA, Officer Guest House (EM007157)				
Date of Sampling	10/05/2026				
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	71.9	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	102.7	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	77.3	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.4	EPA Guideline Manual July 2008

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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TEST REPORT

Report No.	140526N-E-038	Issue Date	20/05/2026	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

Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-039	Issue Date	20/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Noise Level D.G.				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
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)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	DG Set 125 KVA, Officer Camp Padyarna (EM007107)				
Date of Sampling	10/05/2026				
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	71.9	EPA Guideline Manual July 2008
2	0.5 m surface acoustic enclosure when door are open	dB (A)	--	102.9	EPA Guideline Manual July 2008
3	0.5 m surface acoustic enclosure when door are Close	dB (A)	--	77.3	EPA Guideline Manual July 2008
4	Insertion Loss	dB (A)	Min. 25	25.6	EPA Guideline Manual July 2008



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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-039	Issue Date	20/05/2026	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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Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-040	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Set Cummins, 500 KVA (EM007384) Base Camp DG				
Date of Sampling	10/05/2026				
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	-	7.0	-
2	Stack Diameter	Meters	-	0.2032	-
3	Ambient Temperature	°C	-	26	-

Reviewed by
21/05/26



Authorised signatory



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TEST REPORT

Report No.		140526N-E-040		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	130	-	
5	Velocity	m/s	-	13.1	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	25	-	
8	Sampling Time	Minutes	-	30	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1132.1	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.11	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 1.5	1.18	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	1.67	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.94	IS: 11255(Part -2)	

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.	140526N-E-041	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to Cummins 500 KVA (EM007385) Base Camp DG Room				
Date of Sampling	10/05/2026				
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	-	7.0	-
2	Stack Diameter	Meters	-	0.2032	-
3	Ambient Temperature	°C	-	26	-

Reviewed by
21/05/26



Authorized signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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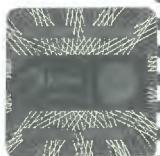
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TEST REPORT

Report No.		140526N-E-041		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	125	-	
5	Velocity	m/s	-	12.5	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	23	-	
8	Sampling Time	Minutes	-	32	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1093.8	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.10	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 3.5	1.28	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	2.04	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.78	IS: 11255(Part -2)	

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,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-042	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Cummins, 1010 KVA (EM008998) Base Camp DG Room				
Date of Sampling	10/05/2026				
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	-	8.0	-
2	Stack Diameter	Meters	-	0.254	-
3	Ambient Temperature	°C	-	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

Email : commercial@idmalab.co.in

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TEST REPORT

Report No.		140526N-E-042		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	125	-	
5	Velocity	m/s	-	13.5	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	25	-	
8	Sampling Time	Minutes	-	30	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1778.8	-	
	PARAMETERS:	-	-	-	-	
10	PM	mg/Nm ³	Max. 75	42.6	IS:11255(Part -1)	
11	CO	mg/Nm ³	Max. 150	58.2	IS:13270	
12	NOx	ppmv	Max. 710	125.8	IS: 11255(Part -7)	
13	SO2	mg/Nm ³	-	31.4	IS: 11255(Part -2)	
14	NMHC	mg/Nm ³	Max. 100	22.8	LAB SOP/NMHC/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.	140526N-E-043	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	stack Attached to DG Cummins, 1010 KVA (EM008999) Base Camp DG Room				
Date of Sampling	10/05/2026				
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	-	8.0	-
2	Stack Diameter	Meters	-	0.25	-
3	Ambient Temperature	°C	-	26	-



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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-043		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	145	-	
5	Velocity	m/s	-	13.6	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	25	-	
8	Sampling Time	Minutes	-	30	-	
9	Volumetric Flow rate	Nm ³ /hr	-	1770.5	-	
	PARAMETERS:	-	-	-	-	
10	PM	mg /Nm ³	Max. 75	52.3	IS:11255(Part -1)	
11	CO	mg /Nm ³	Max. 150	47.2	IS:13270	
12	NOx+HC	ppmv	Max. 710	127.4	IS: 11255(Part -7)	
13	SO2	mg /Nm ³	-	29.7	IS: 11255(Part -2)	
14	NMHC	mg /Nm ³	Max. 100	21.2	LAB SOP/NMHC/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.	140526N-E-044	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Caterpillar, 600 KVA (EM007466) Base Camp DG Room				
Date of Sampling	10/05/2026				
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	-	6.0	-
2	Stack Diameter	Meters	-	0.1524	-
3	Ambient Temperature	°C	-	26	-

Reviewed by
21/05/26



Authorised signatory



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TEST REPORT

Report No.		140526N-E-044		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	130	-	
5	Velocity	m/s	-	12.9	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	24	-	
8	Sampling Time	Minutes	-	32	-	
9	Volumetric Flow rate	Nm ³ /hr	-	627.1	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.09	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 3.5	1.06	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	1.58	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.74	IS: 11255(Part -2)	

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.	140526N-E-045	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Jacksons, 500 KVA (EM005763) TRT				
Date of Sampling	10/05/2026				
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	-	5.0	-
2	Stack Diameter	Meters	-	0.1016	-
3	Ambient Temperature	°C	-	26	-

21/05/26
Reviewed by



Authorised signatory



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TEST REPORT

Report No.		140526N-E-045		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	120	-	
5	Velocity	m/s	-	12.4	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	23	-	
8	Sampling Time	Minutos	-	33	-	
9	Volumetric Flow rate	Nm ³ /hr	-	274.7	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.11	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 3.5	1.37	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	1.79	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.88	IS: 11255(Part -2)	

Opinion : N/A

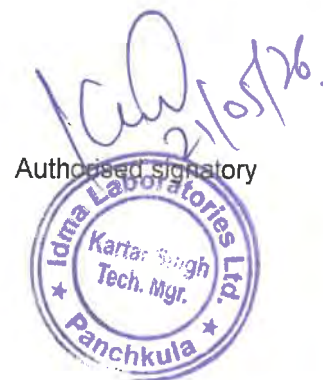
Remarks: N/A

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.	140526N-E-046	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Cummins, 250 KVA (EM007158) Officer Camp Podyarna				
Date of Sampling	10/05/2026				
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	-	5.0	-
2	Stack Diameter	Meters	-	0.0762	-
3	Ambient Temperature	°C	-	26	-

Reviewed by



Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-E-046		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	102	-	
5	Velocity	m/s	-	11.7	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	22	-	
8	Sampling Time	Minutes	-	35	-	
9	Volumetric Flow rate	Nm ³ /hr	-	152.8	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.11	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 1.5	1.07	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	1.79	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	1.42	IS: 11255(Part -2)	

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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Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-047	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Cummins, 125 KVA (EM007157) Officer Guest House				
Date of Sampling	10/05/2026				
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	-	5.0	-
2	Stack Diameter	Meters	-	0.0762	-
3	Ambient Temperature	°C	-	26	-

Reviewed by

Authorised Signatory

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TEST REPORT

Report No.		140526N-E-047		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	105	-	
5	Velocity	m/s	-	11.8	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	22	-	
8	Sampling Time	Minutes	-	35	-	
9	Volumetric Flow rate	Nm ³ /hr	-	152.9	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.13	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 3.5	1.86	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	1.52	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.68	IS: 11255(Part -2)	

Opinion : N/A

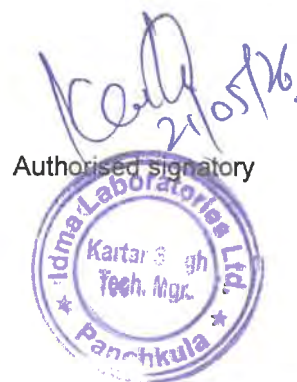
Remarks: N/A

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.	140526N-E-048	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Cummins, 125 KVA (EM007107) Officer Camp Padyarna				
Date of Sampling	10/05/2026				
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	-	5.0	-
2	Stack Diameter	Meters	-	0.0762	-
3	Ambient Temperature	°C	-	26	-

21/05/26
Reviewed by



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TEST REPORT

Report No.		140526N-E-048		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4	Stack Temperature	°C	-	107	-	
5	Velocity	m/s	-	12.2	-	
6	Type of Fuel	-	-	HSD	-	
7	Sampling Flow rate	LPM	-	23	-	
8	Sampling Time	Minutes	-	32	-	
9	Volumetric Flow rate	Nm ³ /hr	-	157.2	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.12	IS:11255(Part -1)	
11	CO	g/kW-hr	Max. 3.5	1.15	IS:13270	
12	NOx+HC	g/kW-hr	Max. 4.0	1.69	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.73	IS: 11255(Part -2)	

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

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-E-049	Issue Date	21/05/2026	Page No.	1/2
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Mr Alok Kumar				
Description of Sample#	Stack Emission (DG)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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 Laboratories				
Sample Quantity#	1 No				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Stack Attached to DG Cummins, 500KVA (EM003271) Primary Crusher				
Date of Sampling	07/05/2026				
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	-	4.0	-
2	Stack Diameter	Meters	-	0.1524	-
3	Ambient Temperature	°C	-	26	-

Reviewed by
7/21/05/26



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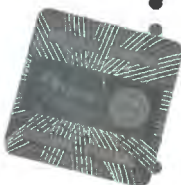
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TEST REPORT

Report No.		140526N-E-049		Issue Date	21/05/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
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	Nm ³ /hr	-	609.8	-	
	PARAMETERS:	-	-	-	-	
10	PM	g/kW-hr	Max. 0.2	0.11	IS:11255(Part -1)	
11	CO	g/kW hr	Max. 3.5	1.40	IS:13270	
12	NOx+HC	g/kV-hr	Max. 4.0	1.73	IS: 11255(Part -7)/USEPA 25A	
13	SO2	g/kW-hr	-	0.64	IS: 11255(Part -2)	

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.	140526N-F-005	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No.& Date #	E-MAIL			Dated#	05/05/2026
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-07.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Worker Camp Pathernaki				
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	7.68	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	15.05	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	BLQ	IS 3025 (Part 57) : 2021

Reviewed by

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-005			Issue Date	21/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
5					(LOQ-0.0005)		
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	5.99	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	7.39	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	22.47	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	50.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	6.41	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	0.0013	IS 3025 (Part 42) : 2024	
18	Iron (as Fe)	mg/L	Max. 1.0	No Relaxation	0.0503	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	0.0088	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0052	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	
27	Sodium as Na	mg/L	-	-	3.0	IS 3025 (Part-45): 2024	

Reviewed by

21/05/2026

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TEST REPORT

Report No.		140526N-F-005		Issue Date	21/05/2026	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	-	-	1.9	IS 3025 (Part-45): 2024
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0022	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.

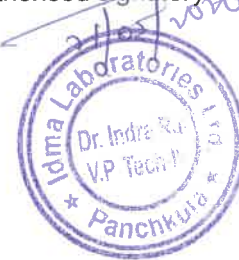


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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-006	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No.& Date #	E-MAIL		Dated#	05/05/2026	
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-07.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Dam Site Worker Camp				
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	7.95	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	55.9	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	0.0027	IS 3025 (Part 57) : 2021

Reviewed by

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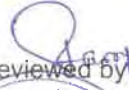
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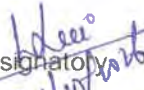


Idma Laboratories Limited

TEST REPORT

Report No.			140526N-F-006		Issue Date	21/05/2026	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	23.97	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	15.28	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	81.32	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	152.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	10.01	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	0.0236	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	BLQ (LOQ-0.0005)	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	0.0010	IS 3025 (Part 56) : 2003 or IS:15303:2003	
24	Silver (as Ag)	mg/L	Max. 0.1	No Relaxation	0.0010	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	5.20	IS 3025 (Part 46) : 2023	
27	Sodium as Na	mg/L	-	-	11.0	IS 3025 (Part-45): 2024	

Reviewed by  21/05/2026

Authorised signatory 

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

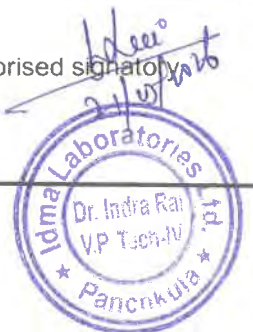
Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.			140526N-F-006		Issue Date	21/05/2026	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	-	-	4.9	IS 3025 (Part-45): 2024	
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	BLQ (LOQ-0.0005)	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.

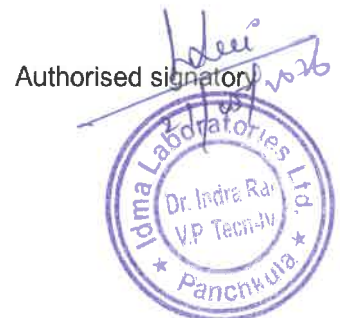
Remarks: The Test report pertains to the sample, as collected by the IDMA lab person from the customer premises and the result related only to the tested sample. BLQ:- Below limit of quantification, LOQ:- Limit of quantification.

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,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

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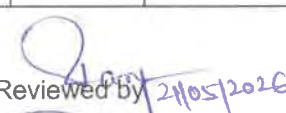
Idma Laboratories Limited

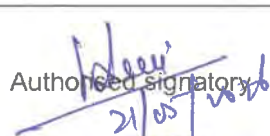
TEST REPORT

Report No.	140526N-F-007	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No.& Date #	E-MAIL		Dated#	05/05/2026	
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-10.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Camp Near Main 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	7.71	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	0.0038	IS 3025 (Part 57) : 2021

Reviewed by  21/05/2026

Authorized signatory  21/05/2026

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

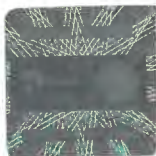
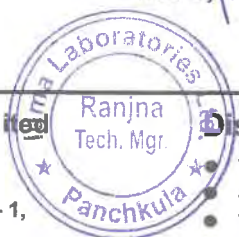
Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

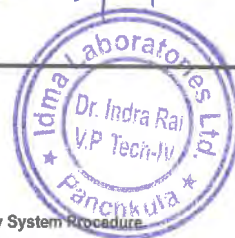
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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-007			Issue Date	21/05/2026	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	10.84	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	75.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	8.62	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	0.0240	IS 3025 (Part 53) : 2024	
19	Manganese (as Mn)	mg/L	Max. 0.1	Max. 0.3	0.0011	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	0.3821	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0162	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	-	-	6.01	IS 3025 (Part-45): 2024	
28	Potassium as K	mg/L	-	-	2.91	IS 3025 (Part-45): 2024	

Reviewed by

Authorised signatory

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-007			Issue Date	21/05/2026	Page No. 3/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0018	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	

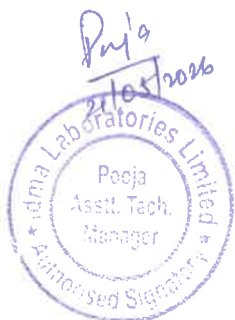
Opinion : N/A

*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.



Reviewed by



End of Report

Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-008	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name & Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No. & Date #	E-MAIL			Dated#	05/05/2026
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-10.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location (Diagram, Sketch, Photo)	Base Camp Near Workshop				
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	8.02	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	47.3	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	BLQ	IS 3025 (Part 57) : 2021

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TEST REPORT

Report No.			140526N-F-008		Issue Date	21/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
5					(LOQ-0.0005)		
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	18.83	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	13.80	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	68.48	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	137.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	11.76	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	0.0286	IS 3025 (Part 53) : 2024	
19	Manganese (as Mn)	mg/L	Max. 0.1	Max. 0.3	0.0008	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	0.0437	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0057	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	5.20	IS 3025 (Part 46) : 2023	
27	Sodium as Na	mg/L	-	-	11.01	IS 3025 (Part-45): 2024	

Reviewed By

21/05/2026

Authorised Signatory

21/05/2026

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Idma Laboratories Limited

TEST REPORT

Report No.			140526N-F-008		Issue Date	21/05/2026	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	-	-	5.92	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	

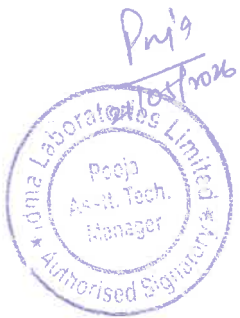
Opinion : N/A

*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.



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

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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-009	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (RO)				
Customer's Ref No.& Date #	E-MAIL			Dated#	05/05/2026
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-10.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Officer Colony 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	7.92	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	21.5	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	BLQ	IS 3025 (Part 57) : 2021

Reviewed by 21/05/2026

Authorised signatory

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-009			Issue Date	21/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
5					(LOQ-0.0005)		
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	6.85	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	10.84	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	29.96	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	9.55	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	0.0005	IS 3025 (Part 42) : 2024	
18	Iron (as Fe)	mg/L	Max. 1.0	No Relaxation	0.0134	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	0.0010	IS 3025 (Part 54) : 2003	
21	Zinc (as Zn)	mg/L	Max. 5	Max. 15	0.0561	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0050	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	0.0007	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	-	-	5.92	IS 3025 (Part-45): 2024	
28	Potassium as K	mg/L	-	-	3.02	IS 3025 (Part-45): 2024	
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0012	IS 3025 (Part 37) : 2022	

Reviewed by

21/05/2026

Authorised signatory

21/05/2026

Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-009			Issue Date	21/05/2026	Page No. 3/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
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.



Reviewed by



End of Report

Authorised signatory



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TEST REPORT

Report No.	140526N-F-010	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (Natural Source)				
Customer's Ref No.& Date #	E-MAIL		Dated#	05/05/2026	
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-07.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Near TRT				
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	7.26	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	21.5	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	BLQ	IS 3025 (Part 57) : 2021

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21/05/2026

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TEST REPORT

Report No.		140526N-F-010			Issue Date	21/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
5					(LOQ-0.0005)		
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	10.84	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	29.96	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	67.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	8.73	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	0.0067	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	0.0024	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	0.0043	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	0.0007	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	2.08	IS 3025 (Part 46) :2023	
27	Sodium as Na	mg/L	-	-	4.39	IS 3025 (Part-45): 2024	

Reviewed by 21/05/2026

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Idma Laboratories Limited

TEST REPORT

Report No.		140526N-F-010			Issue Date	21/05/2026	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	-	-	1.20	IS 3025 (Part-45): 2024	
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0026	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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Idma Laboratories Limited

TEST REPORT

Report No.	140526N-F-011	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (Natural Source)				
Customer's Ref No.& Date #	E-MAIL		Dated#	05/05/2026	
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-07.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	Tanker Filling Point				
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	7.76	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	73.1	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	0.0010	IS 3025 (Part 57) : 2021

Reviewed by 21/05/2026

Authorized signatory

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Website : www.idmagroup.co.in

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Ranjna
Tech. Mgr.



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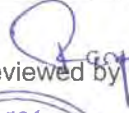
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Idma Laboratories Limited

TEST REPORT

Report No.			140526N-F-011		Issue Date	21/05/2026	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	32.53	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	16.75	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	107.0	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	197.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO4)	mg/L	Max. 200	Max. 400	13.62	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	0.0413	IS 3025 (Part 53) : 2024	
19	Manganese (as Mn)	mg/L	Max. 0.1	Max. 0.3	0.0008	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	0.0063	IS 3025 (Part 55) : 2003	
23	Selenium (as Se)	mg/L	Max. 0.01	No Relaxation	0.0012	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	6.24	IS 3025 (Part 46) :2023	
27	Sodium as Na	mg/L	-	-	14.0	IS 3025 (Part-45): 2024	
28	Potassium as K	mg/L	-	-	6.41	IS 3025 (Part-45): 2024	

Reviewed by  21/05/2026

Authorised signatory  21/05/2026

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

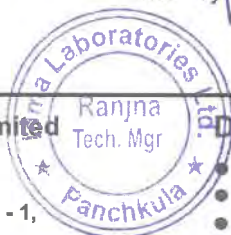
Panchkula - 134113,

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.			140526N-F-011		Issue Date	21/05/2026	Page No. 3/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	0.0018	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.



Reviewed by 21/05/2026



****End of Report****

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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TEST REPORT

Report No.	140526N-F-012	Issue Date	21/05/2026	Page No.	1/3
Issued to#	Patel Engineering Limited Kiru Hydroelectric Project Kiru, Distt. Kishtwar Jammu & Kashmir				
Customer Name &Contact Information#	Same as Above				
Description of Sample#	Drinking Water (Natural Source)				
Customer's Ref No.& Date #	E-MAIL			Dated#	05/05/2026
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-10.05.26				
Mode of Collection of Sample	Sample Collected By Idma Lab Person				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	14/05/2026				
Period of Analysis	14/05/2026 To 21/05/2026				
Sampling Performed by the lab (Yes/No)	No				
Sampling Location(Diagram,Sketch,Photo)	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	7.45	IS 3025 (Part 11) : 2022
4	Total Alkalinity (as CaCO ₃)	mg/L	Max. 200	Max. 600	43.0	IS 3025 (Part 23) : 2023
5	Boron	mg/L	Max. 0.5	Max. 2.4	BLQ	IS 3025 (Part 57) : 2021

Reviewed by

21/05/2026

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Report No.		140526N-F-012			Issue Date	21/05/2026	Page No. 2/3
S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
5					(LOQ-0.0005)		
6	Calcium (as Ca)	mg/L	Max. 75	Max. 200	17.12	IS 3025 (Part 40) : 2024	
7	Chloride (as Cl)	mg/L	Max. 250	Max. 1000	15.77	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	64.2	IS 3025 (Part 21) : 2009	
11	Total Dissolved Solids	mg/L	Max. 500	Max. 2000	127.0	IS 3025 (Part 16) : 2023	
12	Sulphate (as SO ₄)	mg/L	Max. 200	Max. 400	11.99	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	0.0229	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	BLQ (LOQ-0.0005)	IS 3025 (Part 49) : 2024	
22	Aluminum (as Al)	mg/L	Max. 0.03	Max. 0.2	0.0012	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	

Reviewed by

21/05/2026

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S.No.	Test Parameter	Units	Specification		Results	Test Methods	
			Acceptable Limit (Max)	Permissible Limit (Max)			
26	Magnesium (as Mg)	mg/L	Max. 30	Max. 100	5.20	IS 3025 (Part 46) :2023	
27	Sodium as Na	mg/L	-	-	9.4	IS 3025 (Part-45): 2024	
28	Potassium as K	mg/L	-	-	3.02	IS 3025 (Part-45): 2024	
29	Total Arsenic (as As)	mg/L	Max. 0.01	No Relaxation	BLQ (LOQ-0.0005)	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.

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Specific test condition,if any : N/A

Represents details provided by the customer.



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