

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

Chenab Valley Power Projects Limited

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

सीआईएन / CIN: U40105JK2011GOI003321

महाप्रबंधक (प्रभारी)
General Manager (I/c)

परियोजना प्रमुख
Head of Project

पकल दुल एच.ई. प्रोजेक्ट, किश्तवाड़
Pakal Dul H.E. Project, Kishtwar

दूरभाष/ Phone No.: 01995-295192

ईमेल/ email: hop-pdhep@cvppindia.com

No. CVPPL/PDHEP/GM (I/c)/2026/ 825

Dated: 23.05.2026

Deputy Director,
Ministry of Environment, Forests and Climate Change,
Sub Regional Office (IRO), Jammu
Plot no.379-A, Gandhi Nagar
Jammu (J&K)-180004
E-mail: env.irojk-mefcc@gov.in; paranjay.s@nic.in; iro.jammu-mefcc@gov.in

Sub: Pakal Dul HE Project (1000 MW) in District Kishtwar, J&K – Submission of Environment Clearance Compliance Report (ECCR) for the period from October, 2025 to March, 2026.

Ref: Environmental Clearance granted to the Project vide letter no. J-12011/51/2007-IA dated 29.02.2008 and transferred in favor of CVPPL vide no. J-12011/51/2007-IA dated 12.07.2012.

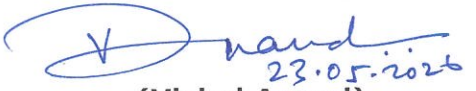
Sir,

The Six-Monthly Environment Clearance Compliance Report (ECCR) in respect of Pakal Dul HE Project for the period (October, 2025 to March, 2026) is being enclosed herewith for your kind information.

Thanking you,

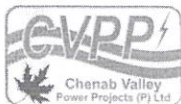
Encls: As above

Yours sincerely,


(Vishal Anand)
General Manager (I/c)
Head of Project

CC:

1. Director, Impact Assessment Division-1, MoEF&CC, Indira Paryavaran Bhawan, Jor Bagh Road, Ali Ganj, New Delhi- 110003.
Email: yogendra78@nic.in
2. Dy. Director General of Forests, MoEF&CC, Bays No. 24-25, Sector-31, Daksin Marg, Chandigarh-160030.
Email: ronz.chd-mef@nic.in
3. Group General Manager, Planning Division: CVPPL, CO, Jammu.
4. Group Senior Manager (HR-Env), PDHEP, Kishtwar.



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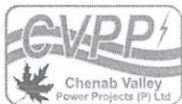
Pakal Dul Hydro Electric Project
Chenab Nagar – II, Kishtwar, (J&K) –182206
CIN NO. U40105JK2011GOI003321

Ph No.01995-295192
Fax No. 01995-295192

ANNEXURE-I

Six Monthly EC Compliance Report of Pakal Dul HE Project (1000 MW) **(October, 2025 to March, 2026)**

1	Name of Project	Pakal Dul HE Project
2	Type of Project	Hydro Electric Project
3	Clearance letters OM No. and date	
	(a) Environment Clearance	(a) Letter no. J-12011/51/2007-IA dated 29.02.2008 and transferred in favour of CVPPPL vide letter no. J-12011/51/2007-IA-I dated 12.07.2012.
	(b) Forest Clearance	(b) Government Order no. 334- FST of 2015 dated 15.12.2015 of GoJK for 146.6613 Ha land on Right Bank of river Marsudar. Government Order no. 289-FST 2016 dated 29.11.2016 of GoJK with Corrigendum dated 26.12.2016 for 195.9619 Ha of Forest land (188.7619 ha of former KHANP land and 7.2 ha of Forest land) on Left Bank of river Marsudar. Government sanction for diversion of 12.125 ha of Forest land on left bank of river Marsudar stands accorded vide Govt. order no 207-FST of 2018 dated 26.06.2018. Government sanction for felling of trees coming under already diverted forest land at left bank of river Marsudar stands accorded vide Govt. order no 225-FST of 2018 dated 17.07.2018. Government sanction for felling of trees coming under already diverted forest land at right bank of river Marsudar stands accorded vide Order No. 531-(JK) FST of 2019 dated 12.12.2019. Government sanction for diversion of 0.6434 ha of Forest land at left bank of river Marsudar stands accorded vide Government order no. 17(JK)FST of 2020 dated 30.01.2020.



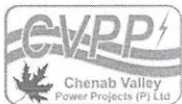
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4	Locations (a) District (s) (b) State/UT (c) Latitude (d) Longitude	(a) Kishtwar (b) Jammu and Kashmir (c) 33°27'30"N (d) 75°48'50"E																										
5	Address for Correspondence (a) Address of concerned Project Head (with Pin code, Telephone/Fax no.) (b) Address of concerned HOD in Corporate Office (with Pin code, Telephone/Fax no.)	(a) General Manger (I/c), Pakal Dul HE Project, CVPP Ltd., Chenab Nagar-II, Kishtwar, J&K. Pin code- 182206 Telephone: - 01995-260723 Email: hop-pdhep@cvppindia.com (b) Managing Director, Chenab Valley Power Projects Ltd, Chenab Jal Shakti Bhawan, Opposite Saraswati Dham, Rail Head Complex, Panama Chowk, Jammu- 180012, J&K Phone/Fax: 0191 2475516/ 2479835																										
6	Detail 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 Plan</td></tr><tr><td>2.</td><td>Catchment Area Treatment</td></tr><tr><td>3.</td><td>Fisheries Development</td></tr><tr><td>4.</td><td>Public Health Delivery System</td></tr><tr><td>5.</td><td>Solid Waste Management</td></tr><tr><td>6.</td><td>Provision for fuelwood/ LPG depot & Energy Conservation Measures</td></tr><tr><td>7.</td><td>Relocation & Rehabilitation of Dumping sites</td></tr><tr><td>8.</td><td>Landscaping & restoration of construction areas</td></tr><tr><td>9.</td><td>Creation of Green Belt around reservoir</td></tr><tr><td>10.</td><td>Disaster Management Plan</td></tr><tr><td>11.</td><td>Resettlement & Rehabilitation Plan</td></tr><tr><td>12.</td><td>Environmental Monitoring Programme</td></tr></table>	S. No.	EMP	1.	Biodiversity Conservation Plan	2.	Catchment Area Treatment	3.	Fisheries Development	4.	Public Health Delivery System	5.	Solid Waste Management	6.	Provision for fuelwood/ LPG depot & Energy Conservation Measures	7.	Relocation & Rehabilitation of Dumping sites	8.	Landscaping & restoration of construction areas	9.	Creation of Green Belt around reservoir	10.	Disaster Management Plan	11.	Resettlement & Rehabilitation Plan	12.	Environmental Monitoring Programme
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7.	Breakup for Project area (Land details)	<table><tr><th colspan="2">Forest Land</th></tr><tr><th>Diverted</th><th>Under process</th></tr><tr><td>355.3916 ha</td><td>11.34 ha</td></tr><tr><th colspan="2">Private/ Revenue Land</th></tr><tr><th>Acquired</th><th>Under process</th></tr><tr><td>204.4745 ha</td><td>Nil</td></tr><tr><td>Total Land</td><td>571.2061 ha</td></tr></table>	Forest Land		Diverted	Under process	355.3916 ha	11.34 ha	Private/ Revenue Land		Acquired	Under process	204.4745 ha	Nil	Total Land	571.2061 ha												
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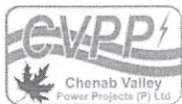
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8	Breakup of Project affected population with enumerations of those losing house/dwelling units only, agriculture land only, both house and agriculture land and landless labours/artisans. (a) SC/ST/Adivasis (b) Others	No of affected villages: - 6 Displaced PAFs: - 110 Non displaced PAFs: - 656 Total PAFs: - 766 (a) Scheduled Tribe: - 2																														
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	(a) Project cost: 12727.76 Cr (2024 PL) (b) Actual expenditure: Rs.8842.67 Crs (till March,2026) (c) Allocations for EMP: 330.32 Crs. (d) Actual expenditure incurred on EMP: Expenditure incurred by CVPPPL on EMP and other related activities as on date: <table border="1"> <thead> <tr> <th>S.No</th><th>Component</th><th>Exp. (Rs. In Cr)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Forest and wild life Land Diversion</td><td>207.649</td></tr> <tr> <td>2</td><td>Fund for Wildlife Management including corpus fund</td><td>236.0</td></tr> <tr> <td>3.</td><td>Fisheries Development Plan</td><td>3.89</td></tr> <tr> <td>4.</td><td>Biodiversity Management Plan</td><td>17.96</td></tr> <tr> <td>5.</td><td>Implementation of R&R plan</td><td>74.09</td></tr> <tr> <td>6.</td><td>Disaster Management Plan/Early Warning System</td><td>1.098</td></tr> <tr> <td>7.</td><td>CAT Plan</td><td>44.465</td></tr> <tr> <td>8</td><td>Public Health Delivery System</td><td>0.31</td></tr> <tr> <td colspan="2">Total</td><td>585.453</td></tr> </tbody> </table>	S.No	Component	Exp. (Rs. In Cr)	1.	Forest and wild life Land Diversion	207.649	2	Fund for Wildlife Management including corpus fund	236.0	3.	Fisheries Development Plan	3.89	4.	Biodiversity Management Plan	17.96	5.	Implementation of R&R plan	74.09	6.	Disaster Management Plan/Early Warning System	1.098	7.	CAT Plan	44.465	8	Public Health Delivery System	0.31	Total		585.453
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10	Forest Land Requirements (a) Status of approval diversion of Forest Land for non-forestry use	(a) Forest clearance for diversion of 146.66 Ha forest land on right bank of dam/reservoir has been accorded by GoJK on 15.12.2015. Requisite amount of Rs 17.81 Cr deposited with J&K State Forest department on 15.09.2015. Forest Clearance for diversion of 188.76 Ha forest land																														

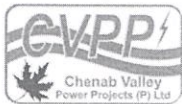


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	(earlier KHANP land) on left bank of dam/ reservoir along with 7.2 Ha of Forest Land for underground works in Dul area has been accorded by GoJK on dated 29.11.2016. Requisite amount of Rs 178.2055 Cr deposited with J&K State Forest department on 18.06.2016 and the amount of Rs. 236 Crs towards wildlife management was deposited on 19.09.2016. Government sanction order for additional 12.125 ha of Forest land at left bank of river Marsudar stands accorded vide Govt. order no 207-FST of 2018 dated 26.06.2018. Requisite amount of Rs 6.3083663 Cr deposited with J&K State Forest department on 15.05.2018. Government sanction order for felling of trees coming under already diverted forest land at left bank of river Marsudar stands accorded vide Govt. order no 225-FST of 2018 dated 17.07.2018. Requisite amount of Rs 7613899/- deposited with J&K State Forest department on 15.05.2018. Government sanction order for felling of trees coming under already diverted forest land at right bank of river Marsudar stands accorded vide Govt. Order No. 531-(JK) FST of 2019 dated 12.12.2019. Requisite amount of Rs. 1490391/- deposited with J&K State Forest department. Government sanction order for diversion of 0.6434 ha of Forest land at left bank of river Marsudar stands accorded vide Government order no. 17(JK)FST of 2020 dated 30.01.2020. requisite amount of Rs. 505310/- deposited with J&K State Forest department. The diversion of 11.34 ha of Forest land at Reservoir Site of the Project is under process of diversion through Parivesh Portal.
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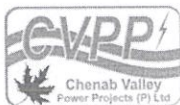
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	(b) The status of clear felling of trees in Forest Land	(b) Clear felling status: The requisite amount of Rs 4.31413 Cr towards cost for extraction of trees has been deposited with J&K State Forest Corporation. The work of tree felling and extraction is in progress.
11	Status of Construction (a) Date of commencement (actual and/or planned) (b) Date of completion (actual and/or planned)	(a) Date of commencement (actual): Out of the Major project works, the Power House package was the first to be awarded on 21.02.2018. (b) Date of completion (planned): Dec'2026
12.	Reasons for the delay (If the Project is yet to be started)	N.A.
13	Details of Site visits (a) By Monitoring Committee (b) By Regional Office	Nil 01
14.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	Details are enclosed as Annexure-II.



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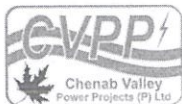
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ANNEXURE-II

Status of Compliance to conditions stipulated by MOEF&CC, Govt. of India vide Environmental Clearance letter dated 29.02.2008

S.No.	Specific Conditions	Compliance Status
i	Catchment Area Treatment (CAT) Plan as proposed should be completed in Five years	The cost provision for CAT Plan as approved by MoEF&CC was Rs. 21.33 Crs which was revised in CCEA approval (Investment Approval by Gol to Rs. 36.38 Crs.) The plan is to be implemented by Soil & Water Conservation Department, GoJK. Soil & Water Conservation Department, GoJK revised the plan as per prevailing site conditions to Rs. 44.465 crores. Accordingly, the compensatory levies on account of CAT Plan amounting to Rs. 44.465 Crs. was deposited by the Project, in the Bank Account of J&K National CAMPA, through NEFT on 29.01.2024. The plan is under implementation through Soil & Water Conservation Department, GoJK and till date an amount of ₹57.08 lakh has been utilized by Soil & Water Conservation Department, GoJK on account of implementation of the Plan and the utilization status is enclosed as (ANNEXURE- I).
ii	During the construction of the project, if any person/family whose acquired land is more than 70% of the total land holding is identified, such family/person shall be treated as fully affected families. R&R package proposed for the displaced families shall be extended to such families. NRRP-2007 package will be followed for R&R of PAFs.	The R&R Plan of Pakal Dul HEP has been approved by GoJK vide Government Order No's. 12-DMRR&R of 2017 dated 22.02.2017 and 11-DMRR&R of 2019 dated 07.03.2019. The approved R&R Plan is under implementation. The formulation, approval and implementation of R&R plan comes under the purview of State/UT Government which has adopted a uniform approach in providing the R&R benefits for the PAFs of different HE projects in J&K. The recommendations of MOEF&CC for considering non-displaced PAFs with more than 70% of total land holdings as displaced PAFs has not been approved by the State Government for any of the HE Project so far. Hence this provision has not been considered by Government of J&K in formulation and approval of R&R plan for Pakal Dul HE Project. The Project had deposited an amount of Rs. 74.09

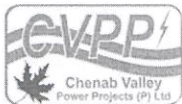


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		Cr. with Commissioner R&R (Deputy Commissioner, Kishtwar) out of which 69.81 Cr. has been utilized by Commissioner R&R for implementation of approved R&R Plan of the Project (ANNEXURE- II).
iii	A Monitoring Committee for R&R should be constituted which must include representatives of project affected persons from SC/ST category and a woman beneficiary.	Complied. DC Kishtwar has been appointed as Commissioner, Rehabilitation and Resettlement for Pakal Dul HE Project vide Govt. Order No. 19-DMRR&R of 2017 dated 16.03.2017. A Monitoring Committee for R&R has been constituted by Commissioner, Rehabilitation and Resettlement which includes representatives of project affected persons from SC/ST category and a woman beneficiary. (ANNEXURE- II).
iv	The commitment made during the public hearing should be fulfilled.	Being complied. The commitments made during the public hearing are being fulfilled through various plans which mainly include Rehabilitation and Resettlement Plan, Local area Development Plan of R&R, for development and strengthening of local area infrastructure. Moreover, as committed during Public Hearing, various Environmental Management Plans are also under implementation which include Wildlife Mitigation Plan, Biodiversity Management Plan, Catchment Area Treatment Plan, Fisheries Development Plan. The said plans are being implemented through GoJK.
v	All the equipment which are likely to generate high noise levels are to be fully equipped (noise reduction measures) to meet the ambient noise control standards	Being complied. All such machinery is well equipped to control noise pollution and regular maintenance is carried out in order to reduce noise pollution. Moreover, regular ambient noise level monitoring is carried out at construction sites. Monitoring reports are enclosed for reference (ANNEXURE- III).
vi	Consolidation and compilation of the muck should be carried-out in the muck dumping sites and the dumping sites should be above high flood level. The proposed plan for 70.85 lakh cum of muck disposal i.e. about 34 lakh cum is proposed to be utilized during construction and the remaining 36.86 lakh cum of muck disposal	Being complied. For the said period, out of excavated muck, useable muck was utilised to a maximum extent at Project and the rest of muck was disposed at designated muck disposal sites only. The details for the said period are as under: Total Muck Generated: 81,65,855.18 Cum

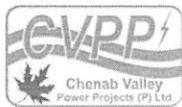


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	at two designated areas (DS1-powerhouse site- 14.37 lakh cum; DS2- dam site-22.48 lakh cum) should be strictly implemented.	Total Muck Utilised: 4643120.73 Cum Total Muck Disposed at Dumping Sites: 3522783.42 Cum
vii	The fisheries management plan as proposed in the letter dated 15.01.2008 should be implemented in totality. The total budget of Rs.339.24 lakhs for the fishery development and conservation in the Marsudar river basin should not be diverted for any other purpose.	Being complied. The revised Fisheries Development Plan amounting to Rs. 389.10 lakh has been approved by Fisheries Department GoJK and the same amount has been deposited by Project with Fisheries Department GoJK for implementation of Plan. The Fisheries Department has utilized an amount of Rs. 196.0 Lakhs till now for implementation of the works under this plan (ANNEXURE- IV).
viii	The following conditions imposed by the Standing Committee of National Board for Wildlife (NBWL) while recommending the proposal for de-notification of KHANP area, shall be strictly complied:	
	(a) Provisions proposed for the habitat improvement in the Mitigation Plan should be discussed with Wildlife Institute(WII), Dehradun and be modified accordingly.	a) Complied Mitigation Plan has been prepared/ modified by J&K Wildlife Department in consultation with Wildlife Institute of India, Dehradun.
	(b)State Wildlife Department may redefine the core area of the National Park considering the human population pressure etc.	b) Complied The core area of the KHANP has been redefined vide SRO no. 212 dated 06.07.2015 of GoJK.
	(c)NHPC would provide a total of Rs.236 Crs including Rs.100 Crs. for the corpus fund for the protected area for the conservation of the wildlife.	c) Complied Final forest clearance for 195.9619 Ha land (i.e. 188.7619 ha of KHANP land and 7.2 ha of forest land) has been obtained vide Govt. Order no. 289-FST 2016 dated 29.11.2016 of GoJK for which Project has deposited Rs 414.20 Crs to Forest Dept. which includes Rs.236 Crs and also Rs.100 Crs for the corpus fund for the protected area for conservation of wildlife. The wildlife Mitigation plan is under implementation and is being implemented by Wildlife Department, GoJK and Rs. 25.60 Cr has been utilized for the same by the J&K Wildlife Department. (ANNEXURE- V)

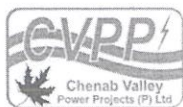


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ix	No construction work/activity should be initiated till Supreme Court grants de-reservation of National Park area.	Complied vide SRO no. 212 dated 06.07.2015 of GoJK issued after grant of approval by Honorable Supreme Court.
x	Clear felling of trees should be restricted to 4 m below the FRL and a 50 m greenbelt should be created around the reservoir periphery.	Being complied. The tree cutting along the FRL is being done only in the area required for the project construction works. The process for creation of greenbelt shall be initiated at the appropriate time.
General Conditions		
i	Adequate free fuel arrangement should be made for the labour force engaged in the construction work at project cost so that indiscriminate felling of trees is prevented.	Being complied. Free fuel arrangements are being made by the respective contractors for their labour force engaged for Power House Works, HRT-TBM Works and Dam Works, at their own cost. The expenditure incurred by all contractors on account of Free Fuel Arrangements is Rs. 3,56,91,302.27/-.
ii	Fuel depot's maybe opened at the site to provide the fuel (kerosene/wood/LPG). Medical facilities as well as drinking water & recreational facilities should also be provided to the laborers.	Being complied. Free fuel arrangements for labourers have been made by the contractors. Adequate drinking water, recreational and sanitation facilities have been provided by the respective contractors at residential areas of their labour force. An amount of Rs. 4,34,50,053.52/- for the said period has been expended by Project major works contractors and details of these medical facilities established by major works contractors for their laborers and locals sare as under: 1.Dam Package (by M/s Jaiprakash Associates Limited): One medical unit with one patient bed, Oxygen cylinder, other accessories for dispensary including IV Stand Sterilization, storage for the medicines, stretchers, wheel chairs etc. One light vehicle and Two Ambulance at Dam site are in operation and managed by one Doctor and four no. of Medical Assistants. Medical facility also made available to nearby local villagers



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Pakal Dul Hydro Electric Project

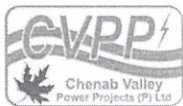
Chenab Nagar – II, Kishtwar, (J&K) –182206

CIN NO. U40105JK2011GOI003321

Ph No. 01995-295192

Fax No. 01995-295192

		2.Power House Package (by M/s Afcons - JAL Joint Venture): First Aid Centre & Hospital at 3 locations and two fully equipped ambulances are functional at Power House Site of the Project. Being managed by 06 No's First Aiders and 4 Ambulance Drivers. The necessary medicines and oxygen cylinders are available at First Aid Centre. Medical facility also made available to nearby local villagers. 3.HRT-TBM Package (by M/s L&T Limited) One first aid centre at Site is managed by 05 No's of male nurses and a doctor is also available at site. Medical facility also made available to nearby local villagers. 4.Two no. of Ambulances have been purchased by Pakal Dul HE Project and has been handed over to District Administration, Kishtwar under Public Health Delivery System Plan of EMP (ANNEXURE- VI.)
iii	All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.	Being complied.
iv	Restoration of construction area including dumping site of excavated materials should be ensured by leveling, filling up of borrow pits, landscaping etc. The area should be properly treated with suitable plantation.	Shall be complied. After completion of dumping and quarrying operations, the remediation, rejuvenation and landscaping of these sites shall be carried out by applying proper Engineering and Biological measures.
v	The total amount of Rs. 9979.29 lakhs kept in the budgetary provisions for implementation of environmental management plan should be strictly adhered and not to be diverted for any other purpose.	Being complied.
vi	A Multidisciplinary committee in consultation with the Ministry should be constituted with Ecologists, Environmental Scientists, Conservationists and experienced administrators etc. to oversee the effective implementation of the suggested safeguard measures.	Approval for Constitution of Multidisciplinary committee (MDC) for Pakal Dul HEP was accorded by MoEF&CC vide no: J-12011/51/2007-IA-I(Part) dated 10.07.2018 with amendments issued vide No. J-12011/51/2007-IA-I(R) dated 02.05. 2019. & F. No.J-12011/51/2007-IA (R) Dated 11.03.2020. The latest meeting of Multidisciplinary Monitoring Committee (MDMC) of Pakal Dul

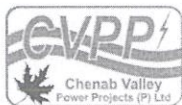


Chenab Valley Power Projects Ltd.
A Joint Venture of NHPC (A Govt of India Enterprise) & JKSPDC (A Govt of J&K Enterprise)

Pakal Dul Hydro Electric Project
Chenab Nagar – II, Kishtwar, (J&K) –182206
CIN NO. U40105JK2011GOI003321

Ph No. 01995-295192
Fax No. 01995-295192

		HE Project (1000 MW) was held on 19.02.2026 at Pakal Dul HE Project, Power House Site, Dool, Kishtwar.
vii	Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Chandigarh for review.	Being complied. Six monthly Environment Clearance Compliance Reports are being timely submitted to the Ministry and its Regional Office, Chandigarh/Jammu.
Other Conditions mentioned in the EC Letter:		
4.	Officials from Regional Office MoEF, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.	Shall be complied
5.	The responsibility of implementation of environmental safeguards rests fully with the NHPC Ltd. and Government of J&K.	Noted
6.	In case of change in the scope of the project, project would require a fresh appraisal.	There is no change in the scope of the Project. Shall be complied, if required.
7.	The project involves 386.186 ha of forest land falling under KHANP. This clearance is subject to Hon'ble Supreme Court's permission with respect to de-reservation of part of KHANP.	Complied. The core area of KHANP has been redefined vide SRO no. 212 dated 06.07.2015 of GoJK in pursuance to the approval of Hon'ble Supreme Court.
8.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory Manner.	Noted.
9.	This clearance letter is valid for a period of 10 years from the date of issue of this letter for commencement of construction work.	Complied.



Chenab Valley Power Projects Ltd.

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CIN NO. U40105JK2011GOI003321

Ph No. 01995-295192

Fax No. 01995-295192

10.	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.	Complied.
12.	The project proponent should advertise within 7 days at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at website of the Ministry of Environment and Forests at http://www.envfor.nic.in .	Complied. The requisite advertisement was published in Dainik Jagran (Hindi) and Daily Uzma (Urdu) newspapers dated 07.03.2008.

ANNEXURE- I





Phone: 0191 - 2490937 (Jammu)
0194 - 2311886 (Srinagar)
E-mail: director-jk.swcd@jk.gov.in

Fax: 0191 - 2490936 (Jammu)
0194 - 2311547 (Srinagar)
dircsd@gmail.com

General Manager I/c (HOP)
Pakal Dul HE Project

No: -DSC/CAMPA-166/ 366

Dated: - 06 -02-2026.

Subject: - Physical & Financial Progress/Utilization Certificate of Catchment Area Treatment plan for Pakal Dul HE Project.

Reference: Your office No. CVPPL/PDHEP/GM (I/c)/2026/159 dated 30.01.2026.

Sir,

Apropos on the aforementioned subject and reference. In this connection, I am directed to enclosed the Physical & Financial Progress/Utilization Certificate of Catchment Area Treatment Plan for Pakal Dul HE Project ending January 2026, for favour of information and further necessary action at your end please.

Yours faithfully,

GM (Geny Pw Envt H&HRT/
TSC / Elect. / Fin. / HR
DCM (PM&C) / Geo / Env. / Q.C)

(Sanjay Kumar Kotwal),
Asstt. Soil Cons. Officer (Plg),
Soil & Water Conservation Department,
J&K Jammu.

[Signature]
06.02.2026

Mgr. (Env.)

[Signature]
09/02/2026

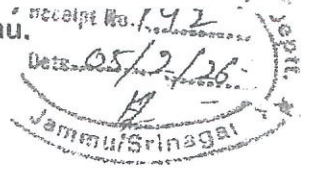
Receipt No. 668 Date 09-02-26

Copy / Receipt No. 705
Date 09-02-2026
GM (HC) Office
CVPPL - PDHEP
05106/02/2026



Soil & Water Conservation Department, Jammu.

Email : jdsolijammu@gmail.com



The PCCF/ Director,
Soil & Water Conservation Department,
J&K Jammu.

No: JD/J/F-46(P.D)/764-65

Dated: 05/02/2026

Subject:- Submission of Utilization Certificate under CAMPA CAT Pakul H.E
Project 2025-26.

Reference No: DSWCO/Estt/2025-26/634-35 dated:03/02/2026.

Sir,

On the above-mentioned subject and reference, District Soil Conservation Officer, Doda vide his office letter number mentioned above has submitted utilization certificate of the funds under CAMPA CAT Pakul H.E. Project 2025-26 for the month of Jan, 2026 which is enclosed for favour of information and further necessary action at your end please.

Yours faithfully

(Dr. Uzma Hamal)
Joint Director

Soil & Water Conservation Deptt.
Jammu

Copy to : DSCO Doda for information. This in reference to his letter dt:03/2/2026

GFR 19-A
See Rule 212(1)

FORM OF UTILIZATION CERTIFICATE

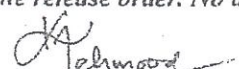
Approved Out Lay 2025-26 under CAMPA CAT Pakul Dul H.E Project District Kishtwar

S.No.	Letter No. & Date	Amount	
01	Allotment No. bcafor1/JKUTTF- BE/21/2025- 2026/5/495 dated:- 24-05-2025	Rs. 530.00	1. Certified that against an amount of <u>Rs. 565.51 lakhs</u> <u>(Five crore sixty five lakh fifty one thousand only)</u> , only <u>as grant in - aid under CAMPA Forest</u> <u>sanctioned during 2025-26 in favour of District Soil</u> <u>& Water Conservation Department District Doda</u> <u>vide order indicate in the margin an amount of Rs.</u> <u>57.08496 lakhs</u> (Rupees Fifty seven lakh eight thousand four hundred ninety six only) has been utilized for the purpose of implementation of CAMPA Scheme for which it was Sanctioned.
02	Allotment No. bcafor1/JKUTTF- BE/21/2025- 2026/10/1376 dated:- 15-10-2025	Rs. 35.51	
	Total:-	Rs. 565.51 lacs	

Certified that I have Satisfied myself that the conditions on which the funds were released have been duly fulfilled / are being fulfilled and that I have exercised the required checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:

1. The works have been executed in my personal supervision.
2. The quality and quantity of the works strictly checked by the undersigned as per A.P.O Sanction. The work done register / measurement book have been maintained properly.
3. The relevant records of work have been maintained properly with pre and after execution photographs along with geo-reference.
4. The expenditure has been incurred and booked strictly in accordance to the approved / sanction within the allotment.
5. All codal and procedural formalities have been fulfilled before incurring expenditure. The amount so booked has been utilized as per the terms and conditions laid down in the release order. No diversion of funds has been made from one object head to another.


(Khalid Mehmood Bahwan)
District Soil Conservation Officer.
Soil & Water Conservation Forest Deptt.
Doda

ANNEXURE- II



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

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

The GM Pakal Dul, Kiru and Kwar HEPP,
CVPPL

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

Dated: 14.02.2026

Subject: Utilization certificates

Sir,

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

Yours sincerely,



Deputy Commissioner
ADDL. DEPT. KISHTWAR
Kishtwar

Copy to the: -

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

Rehabilitation & Resettlement (R&R) Plan, Pakal Dul (1000 MW)

- Rehabilitation & Resettlement Plan of Pakal Dul HEPP has been approved vide G.O. No. 12-DMRR&R of 2017 dated 22.02.2017.
- Executing Agency of Pakal Dul HEPP project is CVPPL+JKPDC
- Implementation of R&R being done by Deputy Commissioner, Kishtwar/Commissioner R&R.
- Amount of R&R Plan Rs. 12863.18 Lakh
- Total Amount Received Rs. 7409.00 Lakh
- Amount Released/Utilized upto 10.02.2026 Rs. 6980.2887 Lakh (individual benefits=Rs. 4912.654Lakh, LADP=Rs. 1951.87Lakh & Skill= Rs. 115.76477 Lakh Lakh)
- Total Project Affected Families (PAFs)=766 (Displaced= 110 and Non-displaced=656)

Individual Benefits (including Monitoring & Evaluation):

- The individual benefits to the Project Affected Families (PAFs) (Displaced and Non-displaced) have been paid in full (Rs. 4912.654 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
1.	Lump sum cost of land and House Constt @Rs 33.00 Lakh each	3630.00	3630.00	3630.00	Paid to 110 eligible PAFs
2.	Stamp Duty @ 0.25 Lakh	191.50	0.00	0.00	No eligible PAFs
3.	Cattle shed @ 0.25 Lakh	27.50	14.50	14.50	Paid to 58 eligible PAFs
4.	Transportation grant @ Rs 0.35 Lakh	38.50	19.95	19.95	Paid to 57 eligible PAFs
5.	Financial Assistance for Construction of Shops @Rs. 0.40 Lakh	319.60	14.40	14.40	Paid to 36 eligible PAFs
6.	Financial Assistance for Construction of worksheds for artisans @Rs. 0.40 Lakh				

7.	Scholarship to the PAF children @ 1000/ per month x 2 x PAF for 24 months (with additional 10% to female and disabled)	404.45	29.904	29.904	Paid to eligible children of 66 eligible PAFs
8.	Rehabilitation Grant: Minimum Agriculture wages @ Rs. 1.50 Lakh	1149.00	1141.50	1141.50	Paid to 761 eligible PAFs
9.	Subsistence Allowance: Minimum Agriculture wages @ Rs. 0.60 Lakh	66.00	62.40	62.40	Paid to 104 eligible PAFs
10.	Pension for vulnerable affected families @ Rs. 3.066 Lakh	2348.56	0.00	0.00	No eligible PAFs
11.	Transit Accommodation Allowance @ Rs. 0.30 Lakh	33.00	0.00	0.00	No eligible PAFs
12.	Additional grant of ST PAF's (MAW 500 days MAW per PAF @ Rs 225 per MAW)	11.00	0.00	0.00	Paid to 69 eligible PAFs
13.	Monitoring and Evaluation	395.83	0.00	0.00	Project is under implementation stage
14.	Grants for seeds and fertilizers	64.40	0.00	0.00	PAFs are landless, accordingly not admissible at this stage.
Total		8679.34	4912.654	4912.654	

Local Area Development Plan (LADP)

- Under the LADP component, the total amount of Rs. 4000.00 Lakh has been approved against which 29 No. of works (Annex. A) amounting to Rs. 3665.99 Lakh are under implementation. An amount of Rs. 1951.87Lakh has been released for the said works.
- Out of the 27 works, 16 works costing Rs. 967.38 Lakh have been completed and remaining 09 works are at different stages of completion & 02 are yet to be taken up.
- Works for balance amount of Rs. 441.01 Lakh need to be formulated.

Skill Development Component

- Under Skill Development component Rs. 183.84 Lakh (@ Rs 2000/ month per PAF for 12 months for all PAFs) has been approved.
- As per Govt. order, Training Programmes to be organized by the CVPPL in consultation with the DC Kishtwar through ITI or other institutions with condition that efforts to be made to cover all the families.
- Funds utilized as on date Rs. 115.76477 Lakh (including 91.01017 Lakh scholarship/ admission fees for Para medical courses and Higher Education studies).

Action taken:

- Nodal Team headed by the Deputy Commissioner, Kishtwar constituted for preparation of Skill Development Plan.
- Preliminary Survey result has indicated preference for Skill Development Training in trades like plumber, electrician, tailor, computer operator etc. Pertinently, a total of 162 persons have given consent for undergoing various training courses (Annexure B).
- The ITI Kishtwar has started training of 05 No. of identified unemployed persons for Plumber course and 05 No. of identified unemployed persons for Electrician course and 03 number of identified unemployed youth for COPA. Moreover, training in other trades shall also start soon (Annexure B).
- Training of 80 No. of females in cutting & tailoring work has been completed. (Annexure B).
- Number of beneficiaries opting for Paramedical courses has increased from 26 to 64, thereby an addition of 38 (Lab Asst-01, Nursing-16, FMPhW-06, Lab Asstt-03, B. Sc Nursing-04, B.Sc Radiology-01, B.Pharmacy-05, DPharmacy 02). Moreover, admission of 41 beneficiaries (Medical Asstt-12, Lab Asst-03, Nursing-20 and FMPhW-06) has been made and fees paid. Pertinently, Nursing Council is in the process of filling up left out seats to be allotted to the eligible candidates.
- Scholarship for higher education has been provided for 17 beneficiaries who have taken up various higher study courses (details mentioned under Annexure "B").
- For other trades and based on interest shown, Skill Development Department shall provide a detailed matrix outlining the qualifications and proposed skill for beneficiaries, based on NSDC guidelines on both Job Roles as well as Recognition of Prior Learning (RPL) for adoption.

- Training for Self Employment & Skilling through NSDC Master Trainers/Agencies is being contemplated. The 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 LakhpatiDidi, 69 beneficiaries are undergoing training in trading viz. farming (18) & shops (19), livestock rearing (15) & tailoring (17).
- Under PM Vishwakarma Scheme, 03 beneficiaries (01 Tailor and 02 Carpenter) has been selected for undergoing training in tailoring trade.

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

(Annexure "A")

LADP component of R&R Plan of Pakal Dul HEPP

(Rs. in Lakh)

S.No	Department	Approved Area	Project Name	Total Cost of the Project (in lakh)	Amount Released	Present Status
1	Health	Suid	Constt of Hospital Building	353.25	124.00	The work is under execution and about 50% completed.
2	PWD (R&B) Kishtwar/ Paddar	Kwartenji	Constt Of 02 numbers of passenger Sheds with toilets	20.00	20.00	Work Completed
3			Constt of Community Hall	80.00	80.00	Work Completed
4	Mechanical Deptt Kishtwar	Kwartenji	Constt of Dachhan House at Kishtwar	200.00	200.00	Work order allotted and soil Samples of land sent to IIT for analysis report
5	PWD (R&B) Spl Sub Div Marwah	Panjdhara Dachhan	Constt of Community Hall	309.14	154.00	Letter of acceptance issued to Contractor
6		Souder Dachhan	Constt of Community Hall	246.50	123.25	Work under execution. 50% work completed. Construction work held up due to Court Stay
7	EMRE Div Kishtwar	Dangduroo , Sewrbhati, Pinjrarai, Lopara, Sirchi and Kwartenji	Shifting & realignment of 11KV lines , LT network and sub stations 1.HT (Kms) -9.0 2.LT (Kms) – 7.0 3.Sub Stn No* KVA- 07	38.48	38.48	Work completed
8			Creation of addl infra for rehabilitation of displaced villagers 1.HT (Kms) 4.0 2.LT (Kms) – 5.0 3.Sub Stn No* KVA- 04	59.51	59.51	Work completed

9	Hydraulic Div Kishtwar	Dachhan	Providing drinking water supply facilities to PAF's of Pakal Dul HEPP at Dangduroo, Yarjungle and other affected areas of Dachhan	100.00	26.00	Work completed
10		Dachhan	Remodeling of Sounder Khul (revised cost)	347.00	155.00	90 % work completed and rest under progress.
11		Dachhan	Remodeling of Nagar Khul (revised cost)	171.91	2.35	Technical sanction under process.
12		Dachhan	Remodeling / Renovation of ChichaKhul	80.11	80.00	Work completed
13		Kwartenji	Providing drinking water supply facilities to PAF's of Pakal Dul at Arzi	26.00	26.00	Work completed
14		Kishtwar	Addl water lifting scheme	500.00	300.00	80% work completed and rest under progress.

15	Animal Husbandry deptt	Kwartenji and Dachhan	Veterinary dispensary equipped with cross breeding programme for upgradation of native livestock one each for Kwartenji and Dachhan	80.00	80.00	Work completed
16			One ambulatory Van for door to door services in affected area	14.00	14.00	Purchased.
17	Sheep Husbandry Deptt	Kwartenji and Dachhan	Constt of dipping VAT one for each area	2.00	2.00	Work completed
18			First aidkit for all 760 PAF's @ Rs 300/ per kit	2.28	2.28	Work completed
19	Youth Services Sorts Deptt	GHSS Sounder	Development of play Filed	10.00	10.00	Work completed
20	Agriculture Deptt	Sounder Dachhan	Constt / Estb of common demonstration / training centre for awareness camps / training for mushroom cultivation & honey bee rearing and other programme	72.00	72.00	Work completed.
21	STD		New 15Km 33KVS Dadpeth line (which will Fed three R/S VizDadpeth,Ikhala and Dangduroo) (This project was as a replacement of the old STD projects)	293.00	293.00	Work completed.

22	JPDCL Kishtwar	Kibber	Supply, installation , operation and maintenance of 30.00KW Hybrid Solar PV System at KibberNallahofPyt Sonder A Dachhan	60.00	60.00	Work completed.
23	Education	Kiyar Dachhan	Constt of HSS Kiyar	143.81	0.00	In progress, land leveling completed.25% work completed.
24	Medical and health Deptt	DH Kishtwar	Infrastructure for Hospital	30.00	30.00	Work completed
25	Irrigation & Flood Control Deptt.	Nagwan to Eidgah	Construction of KhulNagwan to Eidgah	100.00	0.00	Vetting of Design under progress.
26	YS&S	Yaywung and Sirchi	Development of State land for play field /stadium at Yaywung and Sirchi	100.00	0.00	Not taken up due to non availability of State Land.
27	Medical and health Deptt	(Mobile Unit)	Hospital on wheels	120.00	0.00	Matter taken up with PiramaSwasthiya Management to re-submit a viable proposal.
28	Education deptt	Lopara Dachhan	H S Lopara	100.00	0.00	
29	STD Doda Kishtwar	Kishtwar	Providing Essential power supply to DC Kishtwar	07.00	0.00	
Total				3665.99	1951.87	

(Annexure B)

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

S.No.	Details of PAFs			Course Details(after counseling at ITI Kishtwar)	Site for training	Remarks
	Displaced	Non Displaced	Total			
1.	110	656	756	1. Plumber- 05	ITI, Kishtwar	Course started

					w.e.f20.05.2025
2.				1. Electrician -05	Course started w.e.f23.05.2025
3.				1. COPA (Computer Operator)-03	Course started w.e.f17.07.2025
4.				1. Tailoring- 01 2. Motor Mech-02 3. Horticulture -01 4. Dip Engineering -01	Other beneficiaries identified to undergo training.

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

S.No	Skill Programme for PAF's	Details of PAFs			Course Details	Buildings available at project site/ rehabilitation site for training	Remarks
		Displaced	Non Displaced	Total			
1.	Female (through Handicraft Deptt. Kishtwar)	110	656	756	1. Cutting & Tailoring-80	04 Centres (Lopara-A, Sounder, Loharna and Lopara B)	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	1. Medical Asstt-11 2. Lab Asst- 04 3. B.SC Nursing/ Nursing/GNM and GNM Lateral Entry /FMPHW - 50 4. B.Sc Radiology - 01 5. B. Pharmacy -06 6. D.Pharmacy-02	Number of beneficiaries opting for Paramedical courses are 74, (Lab Asst-04, B.SC Nursing/Nursing/GNM and GNM Lateral Entry /FMPHW- 50, B.Sc Radiology-01, B.Pharmacy-06, D. Pharmacy 02, Medical Assistant-11). Moreover, admission of 74 beneficiaries (details as above) Pertinently, Nursing Council is in the process of filling up left out seats to be allotted to the eligible candidates.

Total Beneficiaries for undergoing Skill Development= 162 (ITI=13, Handicrafts=80, Health=64, Other identified beneficiaries=05).

SCHOLARSHIP FOR HIGHER EDUCATION

- B.A -04
- BPT-01
- B.FT (Fashion Tech)-01
- B.SC -10
- B.Sc Hons Zoology -01
- B.Sc Hons Bio Chemistry -01
- B.SC MLT -01
- B.Sc BMLS-01
- Post Basic B.SC Nursing -01
- B.LLB (5 years)- 02
- BCA -01

- Computer Science and Engineering -02
- M.A -01

Total= 27



GOVT OF JAMMU & KASHMIR

OFFICE OF THE DEPUTY COMMISSIONER KISHTWAR

Phone/Fax:- 01995-261466/259555, Email:- dckishtwar-jk@nic.in

Subject:- Constitution Of R&R Monitoring Committee For Pakal Dul HEPP –Reg.

ORDER

In compliance to Environment Clearance of Pakal Dul HEPP, a R&R monitoring committee comprising of following officers/members is constituted:-

1. Deputy Commissioner, Kishtwar-----Chairman.
2. Chief Planning Officer Kishtwar ----- Member
3. District Social Welfare Officer Kishtwar-----Member
4. Sr. Manager/Manager (Environment) Pakal Dul HEPP Kishtwar----- Member
5. Sh. Sri Chand (Rep. of PAF)----- Member
6. Smt. Ruksana Kousar (Rep. of PAF- women beneficiary) ----- Member
7. Sh. Mohd Aslam (Rep. of PAF- ST category)----- Member

No: - DCK/LA/25/f.no. 01/96
Dated: - 26-04-2025


Rajesh Kumar Shavan (JKAS)
Deputy Commissioner
Kishtwar
25/4/25

Copy to the:-

1. Concerned committee members for information and n/a.

ANNEXURE- III



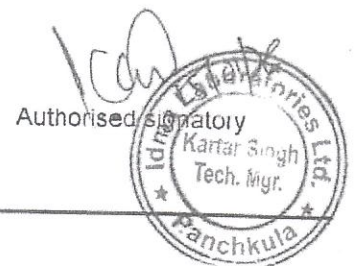
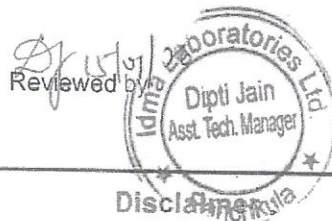
Idma Laboratories Limited

TEST REPORT

Report No.	100126L-ED-010/B	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	EL176WOD1000061		Dated#	16/07/2021	
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A		DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Portal TBM Area				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
1	CO	mg/m ³	Max. 02	0.43	IS 5182 (Part 10)
2	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)
3	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)



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



TC-8207

TEST REPORT

Report No.		100126L-ED-010/A		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
7	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
8	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
9	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



****End of Report****



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	100126L-ED-010/B	Issue Date	15/01/2026	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,

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Idma Laboratories Limited



TC-8207

TEST REPORT

Report No.	100126L-ED-011/A	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Land No.2				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	µg/m³	Max. 100	79.7	IS 5182 (Part 23)
2	PM2.5	µg/m³	Max. 60	40.2	IDL/SP/03, Issue No-1
3	SO2	µg/m³	Max. 80	18.5	IS 5182 (Part 2)
4	NO2	µg/m³	Max. 80	19.7	IS 5182 (Part 6)
5	NH3	µg/m³	Max. 400	24.3	IS 5182 (Part-25)
6	Ozone	µg/m³	Max. 100	21.3	IS 5182 (Part 9)

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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TC-8207

TEST REPORT

Report No.		100126L-ED-011/A		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
7	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
8	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
9	Lead	µg/m ³	Max. 1.0	0.13	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Authorised signatory



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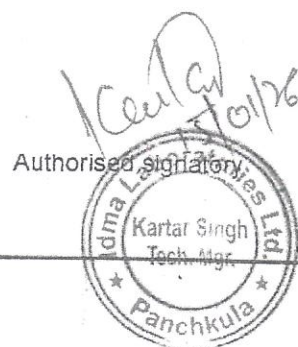
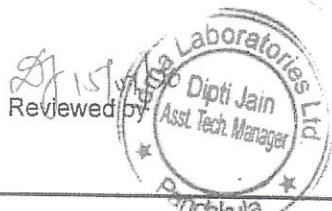
Idma Laboratories Limited

TEST REPORT

Report No.	100126L-ED-011/B	Issue Date	15/01/2026	Page No. 1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Vseem Zahir			
Description of Sample#	Ambient Air			
Customer's Ref No.& Date #	EL176WOD1000061		Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in polythene Pouch.			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	01 No.			
Date of Receipt of Sample	10/01/2026			
Period of Analysis	10/01/2026 To 15/01/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	Land No.2			
Date of Sampling	07/01/2026			
Env.Condition during Sampling	Ambient Condition			
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013			
Testing Protocol	NAAQS			

RESULTS

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



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	100126L-ED-011/B	Issue Date	15/01/2026	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,

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TEST REPORT

Report No.	100126L-ED-012/A	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	EL176WOD1000061		Dated#	16/07/2021	
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A		DOM#	N/A	DOE# N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Crusher Plant				
Date of Sampling	07/01/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)				
1	PM 10	µg/m³	Max. 100	79.8	IS 5182 (Part 23)
2	PM2.5	µg/m³	Max. 60	37.2	IDL/SP/03, Issue No-1
3	SO2	µg/m³	Max. 80	18.2	IS 5182 (Part 2)
4	NO2	µg/m³	Max. 80	19.7	IS 5182 (Part 6)
5	NH3	µg/m³	Max. 400	22.0	IS 5182 (Part-25)
6	Ozone	µg/m³	Max. 100	20.8	IS 5182 (Part 9)

Reviewed by
15/01/26



Authorised Signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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TC-8207

TEST REPORT

Report No.		100126L-ED-012/A		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
7	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
8	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
9	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer



End of Report



Idma Laboratories Limited

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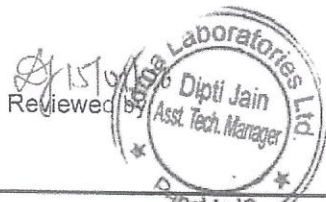
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TEST REPORT

Report No.	100126L-ED-012/B	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Crusher Plant				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
1	CO	mg/m ³	Max. 02	0.43	IS 5182 (Part 10)
2	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)
3	Benzo-a-Pyrene (BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)



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TEST REPORT

Report No.	100126L-ED-012/B	Issue Date	15/01/2026	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

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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TC-8207

TEST REPORT

Report No.	100126L-ED-013/A	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name & Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Filter Paper Packed in polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location (Diagram, Sketch, Photo)	Casting Yard.				
Date of Sampling	07/01/2026				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	NAAQMS/36/2012-13 USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM 10	$\mu\text{g}/\text{m}^3$	Max. 100	78.0	IS 5182 (Part 23)
2	PM2.5	$\mu\text{g}/\text{m}^3$	Max. 60	40.2	IDL/SP/03, Issue No-1
3	SO ₂	$\mu\text{g}/\text{m}^3$	Max. 80	19.4	IS 5182 (Part 2)
4	NO ₂	$\mu\text{g}/\text{m}^3$	Max. 80	21.2	IS 5182 (Part 6)
5	NH ₃	$\mu\text{g}/\text{m}^3$	Max. 400	23.5	IS 5182 (Part-25)
6	Ozone	$\mu\text{g}/\text{m}^3$	Max. 100	20.1	IS 5182 (Part 9)

Reviewed by
Dipti Jain
Asst. Tech. Manager

Authorised signatory

Kartar Singh
Tech. Mgr.

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

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Idma Laboratories Limited



TC-8207

TEST REPORT

Report No.		100126L-ED-013/A		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
7	Arsenic	ng/m ³	Max. 06	<1	EPA/625/R-96/010a	
8	Nickel	ng/m ³	Max. 20	<5	EPA/625/R-96/010a	
9	Lead	µg/m ³	Max. 1.0	<0.1	EPA/625/R-96/010a	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer



End of Report



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.	100126L-ED-013/B	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Casting Yard.				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
1	CO	mg/m ³	Max. 02	0.39	IS 5182 (Part 10)
2	Benzene	µg/m ³	Max. 05	<2	IS 5182 (Part 11)
3	Benzo-a-Pyrene (BaP) - Particulate phase	ng/m ³	Max. 01	<0.9	IS 5182 (Part 12)



Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.	100126L-ED-013/B	Issue Date	15/01/2026	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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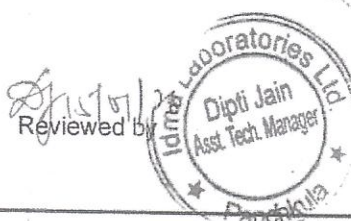
TC-8207

TEST REPORT

Report No.	100126L-ED-014	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No.& Date #	EL176WOD1000061	Dated#	16/07/2021		
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Portal Near TBM-1				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	72.3	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	67.6	CPCB PROTOCOL July 2015.



Idma Laboratories Limited

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391, Industrial Area, Phase - 1,

Panchkula - 134113,

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Idma Laboratories Limited



TEST REPORT

Report No.	100126L-ED-014	Issue Date	15/01/2026	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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TC-8207

TEST REPORT

Report No.	100126L-ED-015	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Portal Near TBM-2				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	71.8	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	66.4	CPCB PROTOCOL July 2015.

**Idma Laboratories Limited**

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Idma Laboratories Limited



TC-8207

TEST REPORT

Report No.	100126L-ED-015	Issue Date	15/01/2026	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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TC-8207

TEST REPORT

Report No.	100126L-ED-016	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Land No.2				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	67.9	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	61.5	CPCB PROTOCOL July 2015.

Reviewed by
Dipti Jain
Asst. Tech. Manager
Idma Laboratories Ltd.

Authorised signatory

Kartar Singh
Tech. Mgr.
Idma Laboratories Ltd.
Panchkula

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TEST REPORT

Report No.	100126L-ED-016	Issue Date	15/01/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

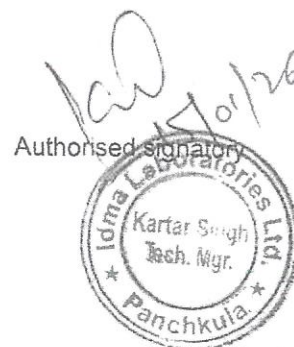
Specific test condition, if any : N/A

Represents details provided by the customer.



Reviewed by

End of Report



Authorised signatory

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Idma Laboratories Limited



TC-8207

TEST REPORT

Report No.	100126L-ED-017	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Crusher Plant Area.				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	72.6	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	67.3	CPCB PROTOCOL July 2015.

Reviewed by
Dipti Jain
Asst. Tech. Manager

Authorised signatory
Kartar Singh
Tech. Mgr.

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Idma Laboratories Limited



TEST REPORT

TC-8207

Report No.	100126L-ED-017	Issue Date	15/01/2026	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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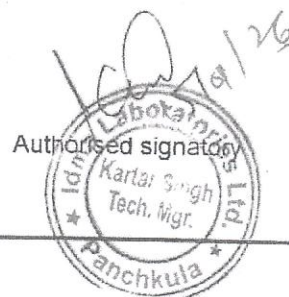
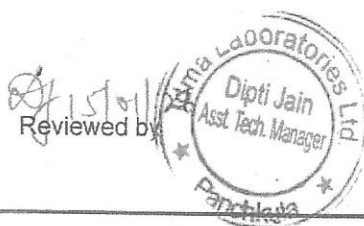
TEST REPORT

TC-8207

Report No.	100126L-ED-018	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Noise Level (Ambient)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Casting Yard Area.				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	CPCB PROTOCOL:2015				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Limits	Results	Test Method
	CHEMICAL DISCIPLINE (Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	67.5	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	61.2	CPCB PROTOCOL July 2015.



Idma Laboratories Limited

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Idma Laboratories Limited



TEST REPORT

Report No.	100126L-ED-018	Issue Date	15/01/2026	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,
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



TC-8207

TEST REPORT

Report No.	100126L-ED-019	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Waste Water (TBM-I)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	TBM-1				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	8.4	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	119.5	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	Max. 30	18.0	IS 3025 (Part 44)
4	Oil & Grease	mg/L	Max. 10	<4	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	-	352	IS 3025 (Part 16)

Reviewed by
15/01/26



Authorised Signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

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Idma Laboratories Limited



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TEST REPORT

Report No.		100126L-ED-019		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	39	IS 3025 (Part 17)	

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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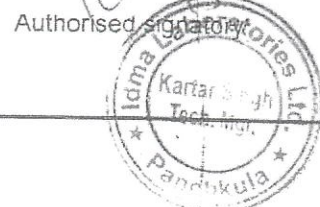
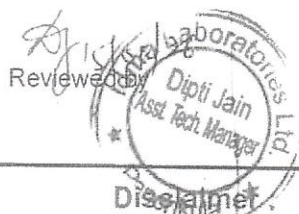
TC-8207

TEST REPORT

Report No.	100126L-ED-020	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Waste Water (TBM-II)				
Customer's Ref No. & Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	TBM-II				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	8.62	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	155.4	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	Max. 30	20.0	IS 3025 (Part 44)
4	Oil & Grease	mg/L	Max. 10	4.2	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	-	655	IS 3025 (Part 16)

**Idma Laboratories Limited**

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

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TEST REPORT

Report No.		100126L-ED-020		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	27	IS 3025 (Part 17)	

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.	100126L-ED-021	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Waste Water (Sedimentation Tank C.P.)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Sedimentation Tank- Crusher Plant.				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	-	8.78	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	-	147.4	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	-	20	IS 3025 (Part 44)
4	Oil & Grease	mg/L	-	<4	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	-	305	IS 3025 (Part 16)

Reviewed by
Dipti Jain
Asst. Tech. Manager

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Panchkula - 134113,

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TC-8207

TEST REPORT

Report No.		100126L-ED-021		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Total Suspended Solids (TSS)	mg/L	-	32	IS 3025 (Part 17)	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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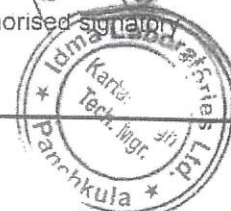
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TEST REPORT

Report No.	100126L-ED-022	Issue Date	15/01/2026	Page No.	1/2
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Waste Water (Sedimentation Tank Batching Plant)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Sedimentation Tank Batching Plant.				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.59	IS 3025 (Part 11)
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	163.3	IS 3025 (Part 58)
3	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	Max. 30	24.0	IS 3025 (Part 44)
4	Oil & Grease	mg/L	Max. 10	<4	IS 3025 (Part 39)
5	Total Dissolved Solids (TDS)	mg/L	-	658	IS 3025 (Part 16)

Reviewed by
15/01/26Authorised signatory
15/01/26

Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

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Idma Laboratories Limited



TC-8207

TEST REPORT

Report No.		100126L-ED-022		Issue Date	15/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	42	IS 3025 (Part 17)	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Authorised Signatory



Idma Laboratories Limited

Idma Corporate Park,

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TC-8207

TEST REPORT

Report No.	100126L-ED-023	Issue Date	15/01/2026	Page No.	1/3
Issued to#	Larsen & Toubro Limited Pakal Dul Hep Project (Dam Site) Chenab Nagar -II, V.P.O. Dool, Tehsil & Distt.Kishtwar (J&K)-182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vseem Zahir				
Description of Sample#	Water (WTP)				
Customer's Ref No.& Date #	EL176WOD1000061			Dated#	16/07/2021
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	10/01/2026				
Period of Analysis	10/01/2026 To 15/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	WTP Land No.1 (Water for Construction Purpose)				
Date of Sampling	07/01/2026				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	--				

RESULTS

S.No.	Test Parameter	Units	Acceptable Limit (Max)	Results	Test Methods
	Chemical Testing (Water)	-	-	-	-
1	Color	Hazen	-	BLQ (LOQ -1.0)	IS 3025 (Part 4)
2	Odour	Qualitative	-	Agreeable	IS 3025 (Part 5)
3	pH	-	-	7.26	IS 3025 (Part 11)
4	Alkalinity (as CaCO ₃)	mg/L	-	112	IS 3025 (Part 23)
5	Boron	mg/L	-	0.030	IS 3025 (Part 57)
6	Calcium (as Ca)	mg/L	-	19.7	IS 3025 (Part 40)



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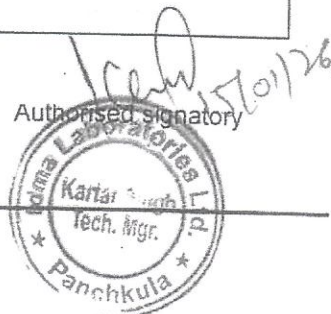
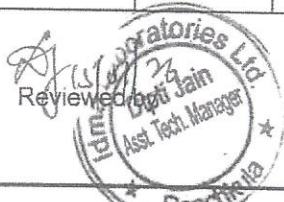
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TC-8207

TEST REPORT

Report No.		100126L-ED-023		Issue Date	15/01/2026	Page No. 2/3
S.No.	Test Parameter	Units	Acceptable Limit (Max)	Results	Test Methods	
7	Chloride (as Cl)	mg/L	-	14.2	IS 3025 (Part 32)	
8	Cyanide (as CN)	mg/L	-	<0.05	IS 3025 (Part 27)	
9	Fluoride (as F)	mg/L	-	0.14	IS 3025 (Part 60)	
10	Hardness Total (as CaCO ₃)	mg/L	-	104	IS 3025 (Part 21)	
11	Total Dissolved Solids	mg/L	-	168	IS 3025 (Part 16)	
12	Sulphate (as SO ₄)	mg/L	-	7.5	IS 3025 (Part 24)	
13	Turbidity	NTU	-	<1	IS 3025 (Part 10)	
14	Taste	Qualitative	-	Agreeable	IS 3025 (Part 8)	
15	Residual Free chlorine	mg/L	-	<0.1	IS 3025 (Part 26)	
16	Magnesium (as Mg)	mg/L	-	13.3	IS 3025 (Part 46)	
	METALS:	-	-	-	-	
17	Cadmium	mg/L	-	BLQ (LOQ-0.0005)	IS 3025 (Part 41)	
18	Potassium	mg/L	-	4.6	IS 3025 (Part 45)	
19	Sodium	mg/L	-	12.4	IS 3025 (Part 45)	
20	Copper as Cu	mg/L	-	0.0013	IS 3025 (Part 42)	
21	Iron as Fe	mg/L	-	0.0444	IS 3025 (Part 53)	
22	Manganese as Mn	mg/L	-	0.0030	IS 3025 (Part 47)	
23	Nickel as Ni	mg/L	-	0.0012	IS 3025 (Part 54)	
24	Zinc as Zn	mg/L	-	0.0026	IS 3025 (Part 49)	
25	Aluminum	mg/L	-	BLQ (LOQ-0.0005)	IS 3025 (Part 55)	
26	Selenium	mg/L	-	BLQ (LOQ-0.0005)	IS 3025 (Part 56)	
27	Silver	mg/L	-	BLQ (LOQ-0.0005)	IS 13428(Ax-J)	
28	Mercury	mg/L	-	BLQ (LOQ-0.0005)	IS 3025 (Part 48)	
29	Total Arsenic	mg/L	-	BLQ (LOQ-0.0005)	IS 3025 (Part 37)	



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

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Tel No. 0172 - 5064827, - 5064830

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Idma Laboratories Limited



TEST REPORT

Report No.		100126L-ED-023		Issue Date	15/01/2026	Page No. 3/3
S.No.	Test Parameter	Units	Acceptable Limit (Max)	Results	Test Methods	
30	Total Chromium	mg/L	-	BLQ (LOQ-0.0005)	IS 3025 (Part 52)	

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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391, Industrial Area, Phase - 1,

Panchkula - 134113,

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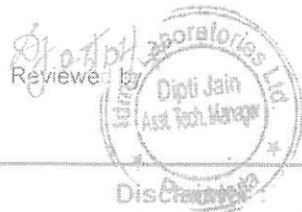
Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-001	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO	Dated#	01/04/2025		
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Batching Plant(Sawerbat)				
Date of Sampling	27/12/2025				
Env. Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)	-	-	-	-
1	PM10	µg/m³	Max. 100	81.6	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	19.4	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	21.2	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	25.4	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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5



Water Testing at the Plant site



Idma Laboratories Limited

TEST REPORT

Report No.		291225N-E-001		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	38.6	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.47	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	21.2	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	2.10	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	0.11	NAAQMS/36/2012-13	

Opinion : N/A

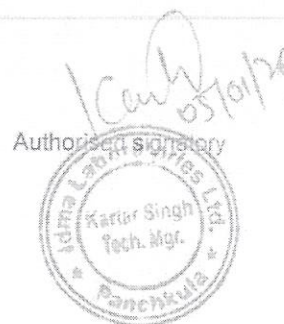
Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report



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Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-002	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Adit Portal (HRT)				
Date of Sampling	27/12/2025				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan, Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)				
1	PM10	µg/m³	Max. 100	78.5	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	15.4	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	18.5	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	20.2	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,

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Idma Laboratories Limited

TEST REPORT

Report No.		291225N-E-002		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	40.6	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.49	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	21.3	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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Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-003	Issue Date	03/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/01/2026 To 03/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Batching Plant (HRT)				
Date of Sampling	27/12/2025				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)				
1	PM10	µg/m³	Max. 100	81.6	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	17.4	NAAQMS/36/2012-13 (Improved West & Gaska method)
3	NO2	µg/m³	Max. 80	19.2	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	22.5	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)

Reviewed by



Authorised signatory



Idma Laboratories Limited

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Idma Laboratories Limited

TEST REPORT

Report No.		291225N-E-003		Issue Date	03/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	42.6	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.42	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	21.0	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

Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-004	Issue Date	03/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kishtwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Ambient Air				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 03/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Power Intake Gati Shaft.				
Date of Sampling	27/12/2025				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)				
1	PM10	µg/m³	Max. 100	79.8	NAAQMS/36/2012-13 (Gravimetric method)
2	SO2	µg/m³	Max. 80	17.4	NAAQMS/36/2012-13 (Improved West & Gaeke method)
3	NO2	µg/m³	Max. 80	19.6	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH3	µg/m³	Max. 400	21.2	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)

Reviewed by
26/01/26



Authorised signatory



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Idma Laboratories Limited

TEST REPORT

Report No.		291225N-E-004		Issue Date	03/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	40.3	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.46	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	0.13	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

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-005	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Ambient Air				
Customer's Ref No. & Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No. #	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Filter Paper Packed in Polythene Pouch.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	crusher Plant (UP-Stream)				
Date of Sampling	27/12/2025				
Env.Condition during Sampling	Ambient Condition				
Sampling Plan,Sampling Method	NAAQMS/36/2012-13USEPA:2013				
Testing Protocol	NAAQS				

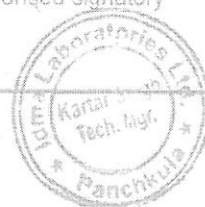
RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (ATMOSPHERIC POLLUTION)				
1	PM10	µg/m ³	Max. 100	81.6	NAAQMS/36/2012-13 (Gravimetric method)
2	SO ₂	µg/m ³	Max. 80	15.8	NAAQMS/36/2012-13 (Improved West & Gaske method)
3	NO ₂	µg/m ³	Max. 80	17.2	NAAQMS/36/2012-13 (Modified Jacob & Hochheiser method)
4	NH ₃	µg/m ³	Max. 400	22.2	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)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

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Idma Laboratories Limited

TEST REPORT

Report No.		291225N-E-005		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
4					Hochheiser method)	
5	PM2.5	µg/m³	Max. 60	42.0	NAAQMS/36/2012-13(Gravimetric method)	
6	CO	mg/m³	Max. 2	0.38	NAAQMS/36/2012-13	
7	Ozone	µg/m³	Max. 100	20.3	NAAQMS/36/2012-13(Chemical method)	
8	Benzene	µg/m³	Max. 5	2.1	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

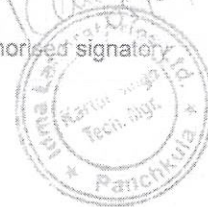
Specific test condition,if any : N/A

Represents details provided by the customer.



End of Report

Authorised signatory



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TEST REPORT

Report No.	291225N-E-006	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Power Intake Gati Shaft.				
Date of Sampling	27/12/2025				
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 Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	67.5	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	61.4	EPA Guideline Manual July 2008

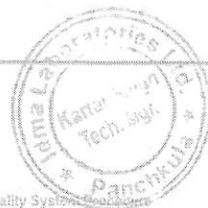


1/Carla
05/01/26
Authorised signatory

Idma Laboratories Limited
Idma Corporate Park,
391, Industrial Area, Phase - 1,
Panchkula - 134113,
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TEST REPORT

Report No.	291225N-E-006	Issue Date	05/01/2026	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

Authorised signature



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	291225N-E-007	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Batching Plant.				
Date of Sampling	27/12/2025				
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 Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	68.5	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	60.4	EPA Guideline Manual July 2008

Reviewed by
05/01/26



Authorised Signatory



Idma Laboratories Limited

Idma Corporate Park,

394, Industrial Area, Phase - 1,

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Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-007	Issue Date	05/01/2026	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

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	291225N-E-008	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Adit Portal (HRT)				
Date of Sampling	27/12/2025				
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 Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	72.6	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	68.7	EPA Guideline Manual July 2008

Reviewed by



Authorised signatory



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TEST REPORT

Report No.	291225N-E-008	Issue Date	05/01/2026	Page No. 2/2
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Opinion : N/A

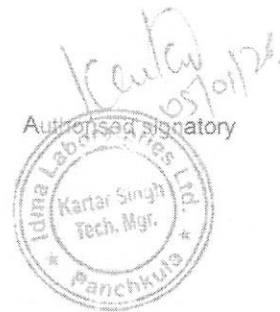
Remarks: N/A

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

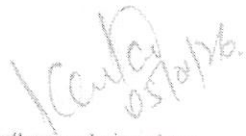
Report No.	291225N-E-009	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No. & Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Batching Plant (HRT)				
Date of Sampling	27/12/2025				
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 Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	72.6	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	65.4	EPA Guideline Manual July 2008

Reviewed by

Dipi Jain
Asst. Tech. Manager

Authorised signatory

Kanchan Singh
Tech. Mgr.

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TEST REPORT

Report No.	291225N-E-009	Issue Date	05/01/2026	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

Authorized Signatory



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Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-010	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	NOISE LEVEL (AMBIENT)				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Instrument at Site.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	01 No.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Crusher Plant (Up-Stream)				
Date of Sampling	27/12/2025				
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 Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	71.6	EPA Guideline Manual July 2008
2	LNight	dB(A)	Max 70	62.4	EPA Guideline Manual July 2008

Reviewed by/



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TEST REPORT

Report No.	291225N-E-010	Issue Date	05/01/2026	Page No. 2/2
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Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



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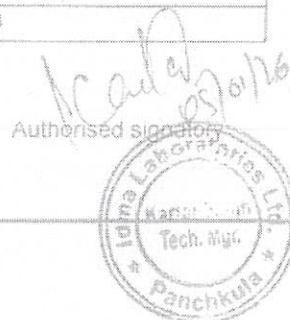
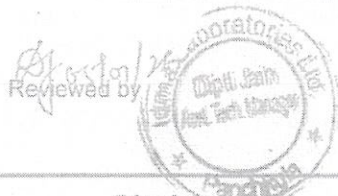
Idma Laboratories Limited

TEST REPORT

Report No.	291225N-E-011	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Waste Water (HRT Adit)				
Customer's Ref No. & Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Adit Portal (HRT)				
Date of Sampling	27/12/2025				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	CPCB				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)	-	-	-	-
1	pH	-	5.5-9.0	7.28	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	120.2	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



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.		291225N-E-011		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	486	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	41	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,

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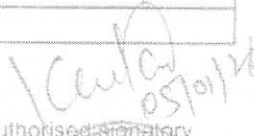
TEST REPORT

Report No.	291225N-E-012	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	Waste Water (Batching Plant)				
Customer's Ref No. & Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety, Grade, Type, etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing, Marking, Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/12/2025 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram, Sketch, Photo)	Batching Plant (HRT)				
Date of Sampling	27/12/2025				
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	7.34	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	160.3	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	EPA Method 1664

Reviewed by: 
Dipti Jain
Asst. Tech. Manager

Authorised Signatory: 



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.		291225N-E-012		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	588	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.



End of Report

Authorised Signatory



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Report No.	291225N-E-013	Issue Date	05/01/2026	Page No. 1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Vimal Mishra			
Description of Sample#	Waste Water (Batching Plant)			
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO	Dated#	01/04/2025	
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	5 Ltr.			
Date of Receipt of Sample	29/12/2025			
Period of Analysis	29/12/2025 To 05/01/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch,Photo)	Batching Plant (Suwerbati)			
Date of Sampling	27/12/2025			
Env.Condition during Sampling	4±2°C			
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition			
Testing Protocol	CPCB			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Waste Water)				
1	pH	-	5.5-9.0	7.62	APHA4500-H+ B24th Edition, 2023
2	Chemical Oxygen Demand (COD)	mg/L	Max. 250	196.4	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	EPA Method 1664

Reviewed by



Authorised signatory



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TEST REPORT

Report No.		291225N-E-013		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Method	
5	Total Dissolved Solids (TDS)	mg/L	-	521	APHA2540 C24th Edition, 2023	
6	Total Suspended Solids (TSS)	mg/L	Max. 100	27	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



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TEST REPORT

Report No.	291225N-E-014	Issue Date	05/01/2026	Page No. 1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir			
Customer Name &Contact Information#	Mr. Vimal Mishra			
Description of Sample#	SURFACE WATER (Up-Stream)			
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO	Dated#	01/04/2025	
Type of Sample (Variety,Grade,Type,etc)#	N/A			
Batch/Lot No.#	N/A	DOM#	N/A	DOE# N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.			
Mode of Collection of Sample	Sampling by Laboratory			
Sample Quantity#	5 Ltr.			
Date of Receipt of Sample	29/12/2025			
Period of Analysis	29/12/2026 To 05/01/2026			
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team			
Sampling Location(Diagram,Sketch.Photo)	Marusudan River (Up-Stream)			
Date of Sampling	27/12/2025			
Env.Condition during Sampling	4±2°C			
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition			
Testing Protocol	--			

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Methods
	Chemical Testing (Water)	-	-	-	-
1	Color	Hazen	-	<5	IS 3025 (Part 4)
2	Odour	Qualitative	-	Agreeable	IS 3025 (Part 5)
3	pH	-	-	7.23	IS 3025 (Part 11)
4	Chloride (as Cl)	mg/L	-	24.6	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	-	6.2	IS 3025 (Part 38)
6	Fluoride (as F)	mg/L	-	0.18	IS 3025 (Part 60)
7	Hardness Total (as CaCO ₃)	mg/L	-	125	IS 3025 (Part 21)

Reviewed by
29/01/2026



Authorized Signatory



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TEST REPORT

Report No.		291225N-E-014		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Methods	
8	Total Dissolved Solids	mg/L	-	164	IS 3025 (Part 16)	
9	Turbidity	NTU	-	<1	IS 3025 (Part 10)	
10	Taste	Qualitative	-	Agreeable	IS 3025 (Part 8)	
11	Residual Free chlorine	mg/L	-	<0.1	IS 3025 (Part 26)	
12	Iron as Fe	mg/L	-	0.001	IS 3025 (Part 53)	
	Biological Testing (Water)	--	--	-	--	
13	E. coli	MPN/100ml	-	120	IS 1622:1981	
14	Total Coliform Bacteria	MPN/100ml	-	177	IS 1622:1981	
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	-	4.0	IS 3025 (Part 44)	
16	Chemical Oxygen Demand	mg/L	-	12.0	IS 3025 (Part 58)	

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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TEST REPORT

Report No.	291225N-E-015	Issue Date	05/01/2026	Page No.	1/2
Issued to#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir				
Customer Name &Contact Information#	Mr. Vimal Mishra				
Description of Sample#	SURFACE WATER (Down Stream)				
Customer's Ref No.& Date #	JAL/PAKAL/2025-26/WO			Dated#	01/04/2025
Type of Sample (Variety,Grade,Type,etc)#	N/A				
Batch/Lot No.#	N/A	DOM#	N/A	DOE#	N/A
Condition of Sample, Packing,Marking,Seal#	Plastic Can.				
Mode of Collection of Sample	Sampling by Laboratory				
Sample Quantity#	5 Ltr.				
Date of Receipt of Sample	29/12/2025				
Period of Analysis	29/01/2026 To 05/01/2026				
Sampling Performed by the lab (Yes/No)	Yes: Idma Representative Team				
Sampling Location(Diagram,Sketch,Photo)	Marusudan River (Down Stream)				
Date of Sampling	27/12/2025				
Env.Condition during Sampling	4±2°C				
Sampling Plan,Sampling Method	APHA 1060 B & C 24thEdition				
Testing Protocol	--				

RESULTS

S.No.	Test Parameter	Units	Specifications	Results	Test Methods
	Chemical Testing (Water)	-	-	-	-
1	Color	Hazen	-	<5	IS 3025 (Part 4)
2	Odour	Qualitative	-	Agreeable	IS 3025 (Part 5)
3	pH	-	-	7.25	IS 3025 (Part 11)
4	Chloride (as Cl)	mg/L	-	27.9	IS 3025 (Part 32)
5	Dissolved Oxygen (DO)	mg/L	-	6.2	IS 3025 (Part 38)
6	Fluoride (as F)	mg/L	-	0.20	IS 3025 (Part 60)
7	Hardness Total (as CaCO ₃)	mg/L	-	124	IS 3025 (Part 21)

29/05/01/26
Reviewed by



Authorised signatory



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TEST REPORT

Report No.		291225N-E-015		Issue Date	05/01/2026	Page No. 2/2
S.No.	Test Parameter	Units	Specifications	Results	Test Methods	
8	Total Dissolved Solids	mg/L	-	156	IS 3025 (Part 16)	
9	Turbidity	NTU	-	<1	IS 3025 (Part 10)	
10	Taste	Qualitative	-	Agreeable	IS 3025 (Part 8)	
11	Residual Free chlorine	mg/L	-	<0.1	IS 3025 (Part 26)	
12	Iron as Fe	mg/L	-	0.005	IS 3025 (Part 53)	
	Biological Testing (Water)	--	--	-	--	
13	E. coli	MPN/100ml	-	130	IS 1622:1981	
14	Total Coliform Bacteria	MPN/100ml	-	212	IS 1622:1981	
15	Biochemical Oxygen Demand (3-days at 27 °C)	mg/L	-	<4	IS 3025 (Part 44)	
16	Chemical Oxygen Demand	mg/L	-	8.0	IS 3025 (Part 58)	

Opinion : N/A

Remarks: N/A

Specific test condition, if any : N/A

Represents details provided by the customer.



End of Report

Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

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TEST REPORT

Lab No.	291225N-E-016		Page No. 1/2
Customer#	Jaiprakash Associates Ltd. Pakal Dul Hydro Electric Project (Dam Package), Dang Duru, Teh: Dachhan, District-Kistwar J&K -182204 Jammu & Kashmir		
Type of Sample#	Drinking Water (Tap)		
Customer's Description of Sample#	Drinking Water (Tap)		
Quantity#	5 Ltr.		
Packing, Markings, Seal & Quantity#	Plastic Can.		
Mode of Collection of Sample	Sampling by Laboratory		
Work Order No.#	JAL/PAKAL/2025-26/AO	Dated	01/04/2025
Date of Receipt of Sample	29/12/2025		
Period of Analysis	29/12/2025 To 05/01/2026		
Sampling Team Idma	Yes: Idma Representative Team	Client	N/A
Sampling Location#	Annapurna Mess (Saverbati)		
Visual Observation	N/A		
Date of Sampling	27/12/2025		
Date of Reporting	05/01/2026		
Sampling Protocol	APHA 1060 B & C 24th Edition		
Testing Protocol	IS 10500		

RESULTS

S.No.	Test Parameter	Units	Results	Limit of IS: 10500-2012		Test Method
				Requirement (Acceptable Limit)	Permissible Limit in absence of alternate Source	
	Chemical Testing (Water)					
1	Color	Hazen	<5	Max. 5	Max. 15	APHA 2120 B&C 24th Edition, 2023
2	Odour	Qualitative	Agreeable	Agreeable	Agreeable	APHA 2150 B 24th Edition, 2023
3	pH	-	7.25	6.5-8.5	No Relaxation	APHA 4500H+B 24th Edition, 2023
4	Alkalinity as CaCO ₃	mg/L	115	Max. 200	Max. 600	APHA 2320 B 24th Edition, 2023
5	Boron	mg/L	0.0006	Max. 0.5	Max. 2.4	APHA 3120 B 24th Edition, 2023
6	Calcium as Ca	mg/L	25.4	Max. 75	Max. 200	APHA 3500-Ca B 24th Edition, 2023
7	Chloride as Cl	mg/L	20.6	Max. 250	Max. 1000	APHA 4500Cl- B 24th Edition, 2023
8	Cyanide as CN	mg/L	<0.05	Max. 0.05	No Relaxation	APHA 4500CN-C&F 24th Edition, 2023

Reviewed by



Authorised signatory



Idma Laboratories Limited

Idma Corporate Park,

391, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827, - 5064830

Website : www.idmagroup.co.in

Email : commercial@idmalab.co.in

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- Samples not drawn by us unless otherwise stated.
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Idma Laboratories Limited

TEST REPORT

Lab No.		291225N-E-016				Page No. 2/2
S.No.	Test Parameter	Units	Results	Limit of IS: 10500-2012		Test Method
				Requirement (Acceptable Limit)	Permissible Limit in absence of alternate Source	
9	Hardness Total (as CaCO ₃)	mg/L	105	Max. 200	Max. 500	APHA 2340C 24th Edition, 2023
10	Total Dissolved Solids	mg/L	137	Max. 500	Max. 2000	APHA 2540 C 24th Edition, 2023
11	Sulphate as SO ₄	mg/L	5.8	Max. 200	Max. 400	APHA 4500-SO ₄ -4 E 24th Edition, 2023
12	Turbidity	NTU	<1	Max. 1	Max. 5	APHA 3130 B 24th Edition, 2023
13	Taste	Qualitative	Agreeable	Agreeable	Agreeable	APHA 2160 B 24th Edition, 2023
14	Residual Free chlorine	mg/L	0.21	Min. 0.2	1	APHA 4500Cl B 24th Edition, 2023
15	Cadmium	mg/L	BLQ (LOQ-0.0005)	Max. 0.003	No Relaxation	APHA 3120 B 24th Edition, 2023
16	Potassium	mg/L	2.1	-	-	APHA 3120 B 24th Edition, 2023
17	Sodium	mg/L	4.2	-	-	APHA 3120 B 24th Edition, 2023
18	Copper as Cu	mg/L	0.0059	Max. 0.05	Max. 1.5	APHA 3120 B 24th Edition, 2023

Opinion : N/A

Represents details provided by the customer.

End of Report

Reviewed by



Authorised Signatory



Idma Laboratories Limited

Idma Corporate Park,

331, Industrial Area, Phase - 1,

Panchkula - 134113,

Haryana (India)

Tel No. 0172 - 5064827 - 5064830

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ANNEXURE- IV



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

The General Manager,
(I/C) HoP Pakal Dul HE Project,
Kishtwar

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

No: ADF/Ktr/2025-26/ 753-55

Dated: 25-11-2025

Subject: Physical and Financial progress regarding Implementation of Fisheries Development Plan Pakal-Dul HE Project.

Ref: CVPP/PDHEP/GM (I/c)/2025/1524, dated: 21-10-2025.

GM (Dam)/ PWD/ E&W/ F&W/ HRT/
TSC/ Elect/ Fin/ HR
DOM (PNSC)/ Geo/ Eng. ID. C/

Sir,

Kindly refer to the subject and reference cited above, in this connection it is to submit that your agency has released an amount of Rs. 389.10 lacs to Directorate of Fisheries J&K Govt. under EMP of Pakal Dul for establishment of Trout Rearing Unit Bhata Warwan. And the Directorate of Fisheries has, in turn, released the amount i.e. Rs. 196.00 lacs further to this office for implementation of the project. The amount so received (Rs. 196.00 lacs) stands released/utilized by this office as per the following breakup.

S.No	Particulars	Amount (Rs. in lacs)	Utilization (Rs. in lacs)
1	Released to PWD (R&B) Division Marwah for execution of construction work	150.65	U.C Pending
2	Released to Addl. Deputy Commissioner Kishtwar on a/c of land compensation	10.00	Utilized
3	Utilization for purchase of vehicles (02 Nos)	24.60	24.26
4	Utilization as Administrative Charges	5.50	4.92
5	Utilization for Survey and Investigation	2.589	2.15
6	Utilization for purchase of Farm/Fishing Net and Gears	3.00	0.15
Total		196.00	--

Regarding physical progress it is to mention that the work of staff quarter, Trout Raceways, Inlet-Outlet drains, Desilting chamber and Chainlink fencing is near completion as per the statement of executing agency through telephonic message.

Yours faithfully

Diary / Receipt No. 6759
Date: 25-11-2025
GM (I/C) Office
CVPPPL - PDHEP

Assistant Director Fisheries
Implementing Officer CVPP
Funded Projects

Copy to the:-

1. Joint Director Fisheries Central /CV Jammu for favour of Information please.

ANNEXURE- V



Department of Wildlife Protection, J&K Govt.
OFFICE OF THE WILDLIFE WARDEN
CHENAB KISHTWAR DIVISION

Forest Complex Sarkool Kishtwar - 182204 wildlife.protection.kishtwar@gmail.com



The General Manager
(I/c) HOP
Pakal Dul HE Project

No.: WLW-Ch/ktr/2024-25/145-46

Dated: - 08-05-2024

Subject: - Regarding utilization Certificate/Physical and Financial progress report of Wildlife Management Plan of Pakal Dul HE Project for FY 2023-24.

Ref.: - Your letter No. CVPP/PDHEP/GM (I/C) 2024-25/545 Dt. 27/04/2024.

Sir,

In response to your letter No. quoted in reference, it is to submit that the year-wise amount utilization against the funds released to this division by the higher authority (CAMPA Cell) under Mitigation Plan of Kishtwar High Altitude National Park (KHANP) from year 2020-21 to 2023-24 is as under: -

Year	Funds allotted (In lac)	Amount utilized (In lac)	Remarks
2020-21	919.15	383.00	Physical & Financial already submitted.
2021-22	1817.20	687.00	Physical & Financial already submitted.
2022-23	1322.25	407.00	Physical & Financial already submitted.
2023-24	903.10	382.862	Physical & Financial progress report enclosed.

Hence report is submitted for favour of information please.

Yours faithfully

(Signature)

(Chander Shekhar)SFS

Wildlife Warden

Chenab Division Kishtwar

➤ Copy submitted to the Regional Wildlife Warden Jammu for favour of information please.

(Signature)

Wildlife Warden

Chenab Division Kishtwar



Department of Wildlife Protection, J&K Govt.
OFFICE OF THE WILDLIFE WARDEN
CHENAB DIVISION, KISHTWAR
Forest Complex Sarkoot Kishtwar-182204
wildlifeprotectionkishtwar@gmail.com



The General Manager (I/c),
Pakal Dul H.E. Project,
CVPPL, Kishtwar (J&K).

No: WLW/Ch-Ktr/2026-27/199

Dated: 07.05.2026

Sub: Submission of Physical and Financial progress report of Wildlife Mitigation Plan - Regarding.

Ref: Your office letter No. CVPPL/PDHEP/GM (I/c)/2026/629 dated 16.04.2026.

Sir,

With reference to the subject cited above, please find enclosed herewith the Physical and financial progress 2025-26 (copy enclosed) regarding the implementation of the Wildlife Mitigation Plan for the Pakal Dul HE Project as per details given below:

S. No.	Budget allotted by Mitigation (CAMPA) higher authorities (in lacs)	Funds utilized (in lacs) till 31-03-2026	Remarks
1	1562.40	478.70	Detailed Physical and financial enclosed.

GM (Dam) / PW / E&M / MMHRT /
TSC / Elect. / Fin. / HR
DCM (P&M) / Sec. / En. / D.C.

Yours faithfully,

(M.S. Jamwal)
Wildlife Warden,
Chenab Division, Kishtwar.

08.05.2026

Mpr. (Gmr.)

9/5/2026

Diary / 2456
Date / Office
CVPPL - PDHEP
DC: 08/05/2026

ANNEXURE- VI



UNION TERRITORY OF JAMMU & KASHMIR
OFFICE OF THE CHIEF MEDICAL OFFICER HEALTH & F.W KISHTWAR
 District Administrative Complex / Mini Secretariat Kishtwar
 E-mail: cmokishtwar@gmail.com

NO.: CMO/KTR/9615-20

Dated: 13-02-2025

Medical Superintendent,
 District Hospital,
 Kishtwar

Block Medical Officer,
 Kishtwar.

Subject: Handover/Takeover of Two Ambulances under EMP of Pakal Dul HE Project-
 regarding

Ref.:

1. General Manager (I/c) HOP, Pakal Dool, HE Project's office letter No.: CVPPL/Kwar/HOP Sectt./2025/434 Dated: 01-02-2025
2. This office letter No.: CMO/KTR/9575-78 Dated: 06-02-2025.

Sir,

In continuation to this office's above referred letter (Ref. 2), you are requested to depute below named driver for handing over/taking over of Ambulances today on 13-02-2025 instead of 14-02-2025 as conveyed by Pakal Dool Authorities:

S.No.	Institution/offices	Name of Drivers	Ref. No.	Registration of Ambulances	Remarks
1	District Hospital Kishtwar	Sh. Irshad Ahmed		JK17A-9399	Drivers shall bring fresh log books.
2	Block Kishtwar	Sh. Tariq Parvez		JK17A-9362	

→ GM (HR)

[Signature]
 13.02.2025

[Signature]
 Chief Medical Officer,
 Kishtwar.

Copy to the:

1. Deputy Commissioner Kishtwar, for favour of kind information.
2. General Manager (I/c) HOP, Pakal Dul HE Project, for kind information and necessary action.
- 3-4. _____ (Driver) for compliance.
5. Office copy for record.

Diary / Receipt No. 805
 Date _____ GM (I/c) Office

CVPPL - PDHEP Dt: 13-02-2025

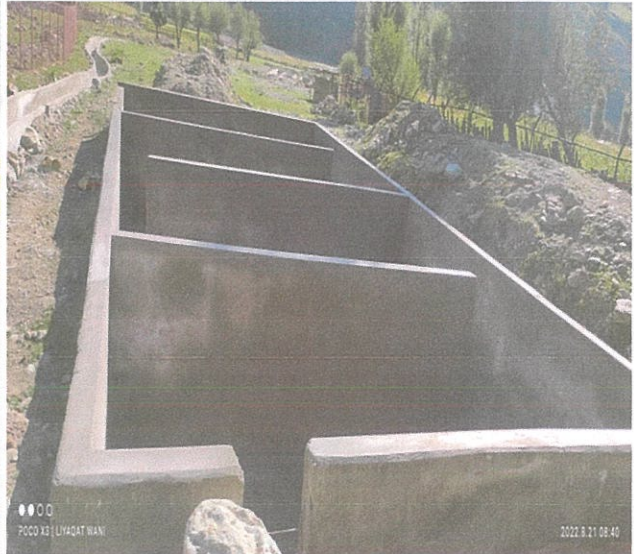
[Signature]
 Manager (Bm)

[Signature]
 13/2/25

ANNEXURE- VII

PAKAL DUL HEP (1000 MW)

Construction of Fish Hatchery under EMP of Pakal Dul HE Project



PAKAL DUL HEP (1000 MW)



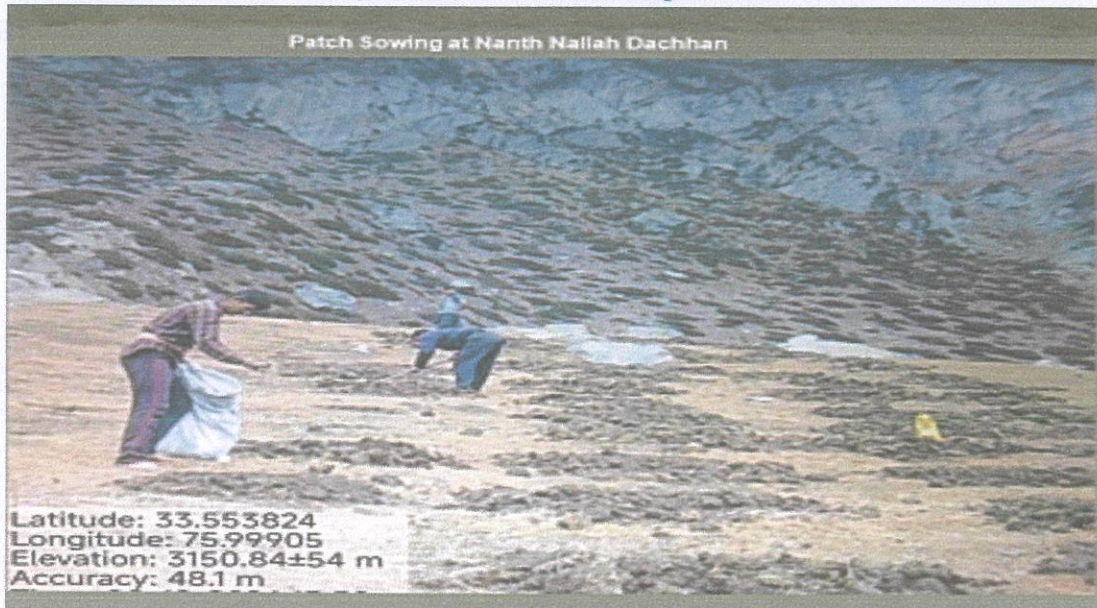
Implementation of Wildlife Mitigation Plan



PAKAL DUL HEP (1000 MW)



Implementation of Wildlife Mitigation Plan



PAKAL DUL HEP (1000 MW)



Implementation of Wildlife Mitigation Plan



Distribution of Honeybee rearing for Sustainable livelihood

PAKAL DUL HEP (1000 MW)

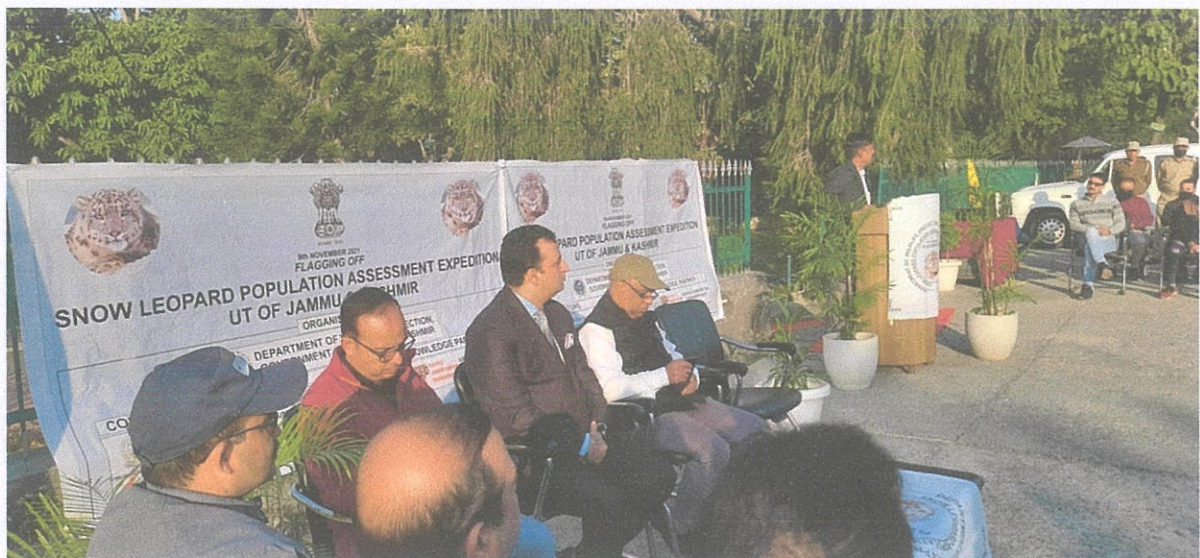
Implementation of Wildlife Mitigation Plan



Outreach activities for Wildlife Conservation Awareness

PAKAL DUL HEP (1000 MW)

Implementation of Wildlife Mitigation Plan



Workshops on Wildlife Conservation Scenarios

PAKAL DUL HEP (1000 MW)

Implementation of Wildlife Mitigation Plan



Workshops on Wildlife Conservation Scenarios

PAKAL DUL HEP (1000 MW)



Biodiversity Management Plan



Latitude: 33.578034
Longitude: 75.845171
Elevation: 2258.36132 m
Accuracy: 27.9 m
Time: 30-06-2023 17:32
Note: Surnoo bridge

Name of the Wooden Cantilever Bridge	Surnoo over Kiyar Nallah
Span	120 feet
Location	Surnoo in b/w Co. 24/D and 25/D
Year of Construction	2022-23
Total Expenditure	16.80598 lacs
No. of Village connected	06
No. of Household benefits	1000 including Nomads

PAKAL DUL HE Project (1000 MW)

Establishment of Biodiversity Park, Marwah



PAKAL DUL HEP (1000 MW)

Implementation of Biodiversity Management Plan

Plantation work under BDMP



Plantation work in Co. 18b/Dachhan under BDMP

PAKAL DUL HEP (1000 MW)

Implementation of Biodiversity Management Plan (BDMP)

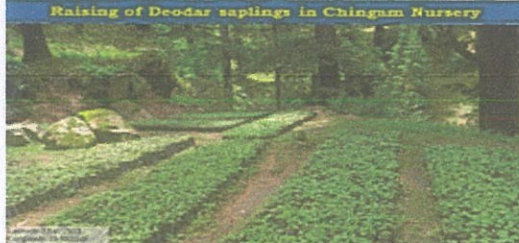
Nursery Raising under BDMP



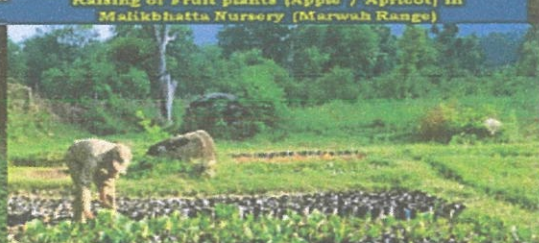
Raising of Deodar saplings in Chingam Nursery



Raising of Fruit plants (Apple / Apricot) in Malikbhata Nursery (Marwah Range)



Raising of *Valleriana jatamansi* (Mushkhalaj) in Prangus Nursery (Dachhan Range)

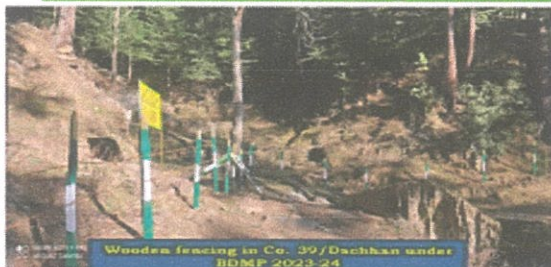


Raising of *Bergenia ciliata* (Zakhme Hayat) in Malikbhata Nursery (Marwah Range)

PAKAL DUL HE Project (1000 MW)

Implementation of Biodiversity Management Plan (BDMP)

Fencing work under BDMP



Wooden fencing in Co. 39/Dachhan under BDMP 2023-24



Wooden fencing in Co. 32/Dachhan under BDMP 2023-24



Signage Board in Co. 35b/Dachhan under BDMP 2023-24



Wooden fencing in Co. 15b/Dachhan under BDMP 2023-24

PAKAL DUL HE Project (1000 MW)



Implementation of Biodiversity Management Plan (BDMP)



PAKAL DUL HEP (1000 MW)

Plantation drive at site



PAKAL DUL HE Project (1000 MW)

Compensatory Afforestation Plan

Before Afforestation



After Afforestation



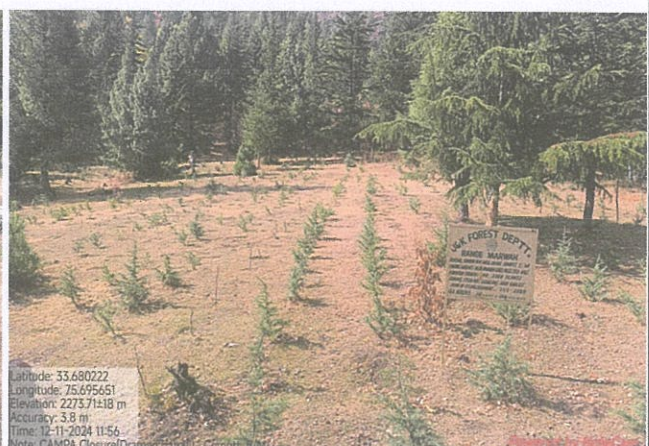
PAKAL DUL HE Project (1000 MW)

Compensatory Afforestation Plan

Before Afforestation



After Afforestation



Latitude: 33.690222
Longitude: 75.695451
Elevation: 2273.71±18 m
Accuracy: 3.8 m
Time: 12-11-2024 11:56
Note: CAMPA Closure(Demonstration) Complete

PAKAL DUL HEP (1000 MW)

Construction of Veterinary Dispensary at Dool, Kishtwar.



PAKAL DUL HE Project (1000 MW)

Installation of 30kva solar Power plant at remote village Kibber, Dachhan



PAKAL DUL HEP (1000 MW)

Construction of Irrigation Canal Part-1 at Village Chichha.



PAKAL DUL HE Project (1000 MW)

Construction of Demonstration-cum-Training Centre at Sounder (Dachhan) for imparting Skill Development Trainings to PAFs.



PAKAL DUL HEP (1000 MW)

Distribution of Livestock First Aid Kits among PAFs.



PAKAL DUL HEP (1000 MW)

Basic Life Support Ambulance handed over to District Administration.



PAKAL DUL HE Project (1000 MW)

Imparting Skill Development Trainings to PAPs.



PAKAL DUL HE Project (1000 MW)

Basic Life Support Ambulance handed over to District Administration.



PAKAL DUL HE Project (1000 MW)

Life Support Ambulances at Project Sites.



PAKAL DUL HEP (1000 MW)

Medical Camp at Project site for Workforce.



PAKAL DUL HE Project (1000 MW)

Health and safety briefings at Project sites.



PAKAL DUL HE Project (1000 MW)

Status of Solid Waste Management Plan



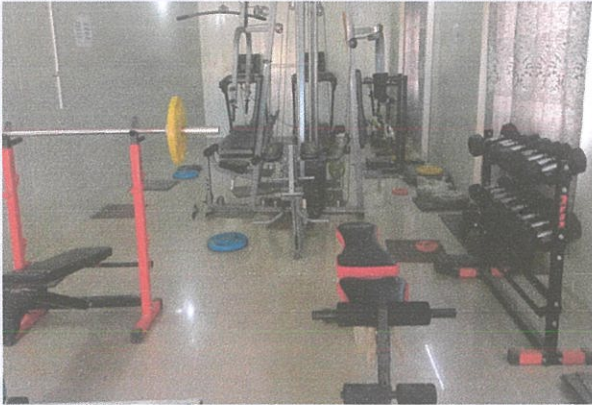
STP at Power House site



Bio-Compost Machine

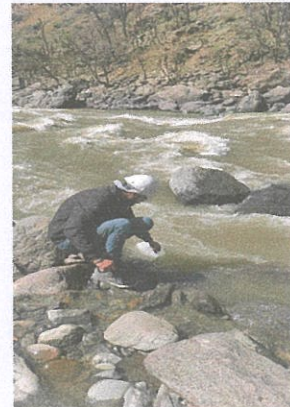
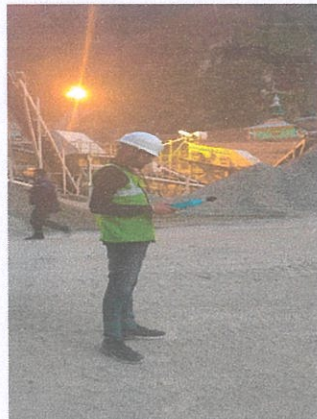
PAKAL DUL HE Project (1000 MW)

Recreational Facilities for Workforce at site



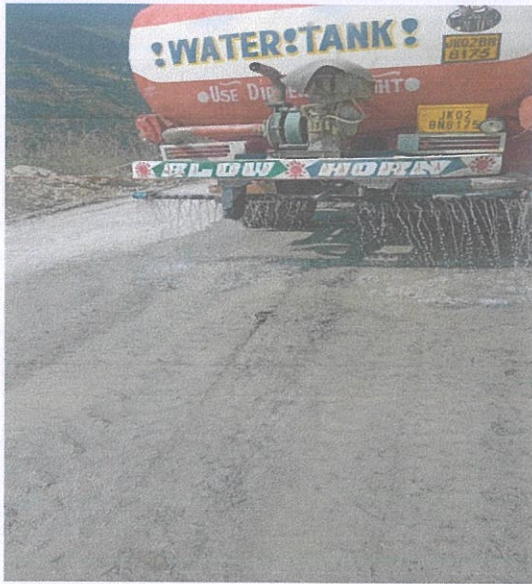
PAKAL DUL HE Project (1000 MW)

Environmental Monitoring (Air, Water & Noise) at Pakal Dul Construction Sites.



PAKAL DUL HE Project (1000 MW)

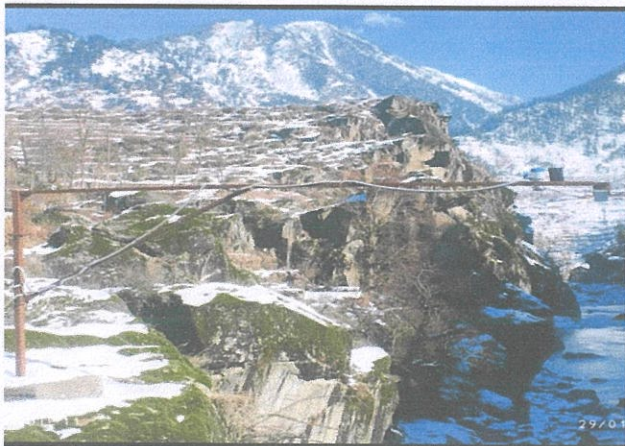
Dust suppression measures



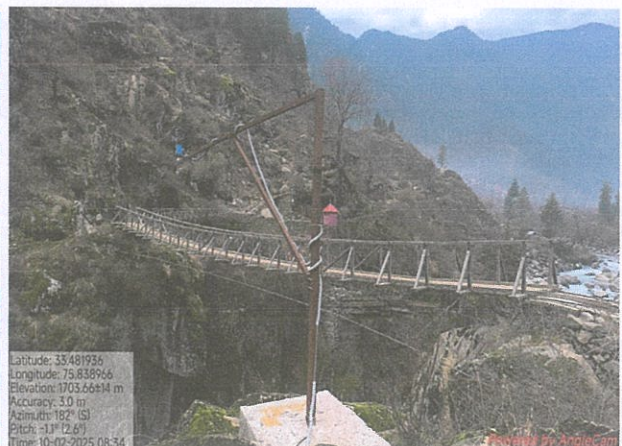
PAKAL DUL HE Project (1000 MW)

Disaster Management Plan

EWS Station at Tiller



EWS Station at Sirsi



PAKAL DUL HE Project (1000 MW)

Disaster Management Plan

EWS Control Room at Dam site



PAKAL DUL HE Project (1000 MW)

Disaster Management Plan

Mock drill w.r.t. demonstrations of various rescue operations, first aid procedures, emergency preparedness, and fire suppression techniques in coordination with SDRF

