



# एसजेवीएन लिमिटेड

मिनी-रत्न शिड्यूल 'A' पीएसयू  
निगमित पर्यावरण विभाग  
ISO 9001:2015 Certified

कार्यालय: कार्यकारी निदेशक,  
निगमित पर्यावरण विभाग,  
शक्ति सदन, शनान,  
जिला शिमला, हिमाचल प्रदेश - 171006  
टेलीफोन नं.: 0177-2660180  
ईमेल: sjvn.ced@sjvn.nic.in  
sjvnenv@gmail.com

संख्या: SJVN/CHQ/ENV/F-31/ 30

दिनांक: 20/05/2022

सेवा में,

अतिरिक्त प्रधान मुख्य वन संरक्षक (सी),

क्षेत्रीय कार्यालय (उत्तर मध्य क्षेत्र), पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,

25, सुभाष रोड, देहरादून-248001,

Email: [moef.ddn@gmail.com](mailto:moef.ddn@gmail.com)

**Sub: Six Monthly Monitoring Report on Compliance to Environmental Aspects (For period October, 2021 – March, 2022) i.r.o Dhaulasidh HEP (66 MW), Himachal Pradesh.**

**Ref: EC letter No. J-12011/15/2010-IA.I, February 21, 2013 for Dhaulasidh HEP (66 MW)**

Sir,

Kind reference is invited to above referred endorsement vide which Dhaulasidh Hydroelectric Project (66 MW) of SJVN in District Hamirpur and Kangra, (Himachal Pradesh) is granted Environment Clearance. As per EIA notification 2006, submission of six monthly compliance report is required as to be submitted. Further, it is desired vide notification dated 26.11.2018 to submit half yearly compliance reports in soft copies only.

Therefore, Six Monthly Monitoring Report on compliance to Environmental Aspects (for the period ending March 2022) is submitted for your kind information, please.

संलग्नक: यथोपरि

सधन्यवाद,

भवदीय,  
एसजेवीएन लिमिटेड के लिए,



(कार्यकारी निदेशक)

प्रतिलिपि (केवल ईमेल के माध्यम से):

1. सदस्य सचिव, हिमाचल प्रदेश प्रदूषण नियंत्रण बोर्ड, हिम परिवेश, बी.सी.अस, नया शिमला-171006, Email: [mnbspc-hp@nic.in](mailto:mnbspc-hp@nic.in)
2. उप महानिदेशक वन (सी), पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय (NCZ), 25, सुभाष रोड, देहरादून – 248001, ई-मेल: [moef.ddn@gov.in](mailto:moef.ddn@gov.in)

**Six Monthly Compliance Report of Environmental Clearance condition's  
(For Period Ending March- 2022)**

<b>Name of Project</b>	Dhulasidh Hydro Electric Project, (66 MW)
<b>Type of the Project</b>	Hydroelectric
<b>Location</b>	District- Hamirpur and Kangra, Himachal Pradesh
<b>Environment Clearance letter no.</b>	J-12011/15/2010-IA-I dated 21/03/2013.
<b>EC Amendment letter no.</b>	J-12011/15/ 2010-IA.I dated 19/05/2021
<b>Period of Compliance:</b>	01/10/2021 to 31/03/ 2022.
<b>Current status of project:</b>	Construction stage.
<b>Contact Address</b>	
<b>(a) Concerned Project Head</b>	Head of project, H.N.-21, Ward No. 1, Heera Nagar, District Hamirpur, HP, PIN 177001 Contact No. 01972-223237
<b>(b) Concerned Environment Division (Corporate)</b>	Head (Environment), SJVN Corporate Headquarters, Shanan, Shimla, HP, PIN 171006 Contact No. 0177-2660180

**Conditions imposed by the Ministry of Environment & Forests, GOI while granting Environment Clearance vide letter no. J-12011/15/2010-IA-I dated 21/02/2013**

<b>Sl. No.</b>	<b>Conditions of Environment Clearance</b>	<b>Status as on 31/03/2022</b>
<b>1</b>	<b>PART-A: SPECIFIC CONDITIONS</b>	
i	The Catchment Area Treatment (CAT) Plan as proposed in the EMP report (Chapter-2 in EMP dated May, 2012) shall be strictly implemented in consultation with Himachal Pradesh State Forest Department. Major works shall be completed before impounding of reservoir. The financial allocation of Rs. 10.947 crores for CAT Plan implementation shall be fully utilized and not to be diverted for any other purpose. As per plan, the area of CAT is 114.74 sq. km.	<ul style="list-style-type: none"> <li>➤ The Revised CAT plan was approved on date 05/12/2018 for Rs. 19.77 Cr.</li> <li>➤ Amount of Rs. 19.77 Crore had been deposited in Adhoc CAMPA on 09.10.2019 (copy enclosed as <b>Annexure - I</b>)</li> </ul> Shall be ensured.
ii	The details of land holding of project affected persons whose land is being acquired shall be submitted to this Ministry including Regional Office. The R&R benefits for the land losing households will be as per the National Rehabilitation and Resettlement Policy, 2007 or as per the State Rehabilitation and Resettlement Policy, whichever is more beneficial to project affected persons (PAFs). Adequate publicity of the compensation package of NRRP 2007 shall be given in the affected villages. All R&R issues shall be completed before commissioning of the project.	The private land required for project has been purchased by direct negotiation with land owners through a committee constituted by the State Government.  Remaining condition shall be ensured in due time.

iii	A Monitoring Committee for R&R shall be constituted which must include representatives of project affected persons including from SC/ST category and a woman beneficiary.	Shall be ensured.
iv	All the commitments made during the public hearing by the developer shall be fulfilled.	Condition is being complied
v	Dumping and consolidation/ compaction of muck shall be carried out only in the designated muck dumping sites as submitted in the EIA/EMP Report. As per the proposed muck disposal plan, out of the 0.882 Mm <sup>3</sup> muck to be generated 0.118 Mm <sup>3</sup> will be utilized for construction purpose and remaining 0.764 Mm <sup>3</sup> will be dumped at the 2 designated disposal sites in an allocated area of 4.30 ha.	Approx. 2.46 lakh M <sup>3</sup> of muck has been generated out of which around 0.8 lakh M <sup>3</sup> has been reutilized for development of construction material, roads and facility areas. Remaining 1.66 lakh M <sup>3</sup> of muck has been dumped in three muck dumping sites approved by MoEF&CC vide EC amendment letter J-12011/15/2010-IA.I dated 19/05/2021
vi	A minimum environmental flow of 6.7 cumec i.e. equivalent to 20% of the minimum discharge available during 4 consecutive leanest months of the 90% dependable year shall have to be released as environmental flow for sustenance of aquatic life and downstream use. And also 6.7 cumec shall have to be maintained during November-May.	The minimum environmental flow as specified shall be maintained during operation stage of the project.
vii	Continuous monitoring system for the flow measurement shall be installed and data be displaced at appropriate site for information of civil society and stake holders. Six monthly results shall be submitted to the Regional Office of the Ministry and SPCB.	As per EC/CIA and CCS study of Beas basin shall be maintained during operation stage of the project.
viii	Real-time telemetry and data acquisition system including all weather hydro meteorological station shall be installed for in-flow monitoring and advance flood warning. Advance flood warning and advance communication systems shall be installed in consultation with the downstream Authorities.	Shall be ensured
ix	The fishery conservation & management plan as proposed in the EMP shall be implemented in consultation with the Fisheries Department, Government of Himachal Pradesh. As proposed, the stocking programme in the reservoir in about 15.76 ha and to stock the snow trout as well as 10 km upstream/ downstream of river shall be taken-up and implemented with the help of State Fisheries Department. Establishment of hatchery should also taken-up with the help of Forest Department. Allocated amount of Rs.50 lacs for this purpose shall be fully utilized and not to be diverted for any other purpose/activity.	Shall be ensured

x	As proposed in the EMP, the Compensatory Afforestation Programme in 115.4 ha shall be taken-up in consultation with State Forest Department. In addition to this NPV, Biodiversity Conservation and Management Plan and development of a herbal nursery near Sanotu village in an area of 0.50 ha shall be taken-up strictly. The allocated grant of Rs.5.589 crores for this purpose shall be fully utilized and not to be diverted for any other purpose. For compensatory Afforestation programme preference shall be given to native species.	As part of diversion of forest land, compensatory afforestation over 115.40 Ha of forest land had been proposed. An amount of Rs. 7.05 crore had been deposited to Forest department on dated 09.10.2019 (copy enclosed as <b>Annexure - I</b> ).  Shall be ensured.
xi	The Biodiversity Conservation and Management Plan shall be taken-up as outlined in the EIA/EMP report and to be implemented in consultation with the State Forest Department. A report of implementation shall be included in the six-monthly progress and compliance report to be submitted to the Ministry including its Regional Office.	Shall be ensured
xii	Greenbelt development along the reservoir as proposed in total 10 ha of land with 13 plant species shall be undertaken. Total budget of Rs.10 lacs has been allocated including restoration shall be fully utilized not to be diverted for any other purpose.	Shall be ensured
xiii	Equipments likely to generate high noise levels shall have to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000 and as amended in 2010 under the Environment Protection Act (EPA), 1986. For this, necessary insulators etc may be installed to contain noise level.	being ensured
xiv	Any other clearance from any other organization/ department, if required shall be obtained by the project proponent before commencement of the project.	Shall be ensured
<b>2</b>	<b>PART-B: GENERAL CONDITIONS</b>	
i	Adequate arrangement for providing free fuel like kerosene/wood/LPG shall be made at project site for the labour engaged in the construction work so that indiscriminate felling of trees is prevented. The project proponent shall ensure this.	To avoid indiscriminate felling of trees, canteen facility is being provided by the contractor to the labour force, engaged in construction activities of the project.
ii	Medical facilities as well as recreational facilities shall also be provided to the labourers.	Facility of First aid kits are made available to workers at construction site.
iii	All the labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit.	Condition is being complied

iv	No fugitive dust emissions should be observed at the construction sites. Water sprinkling arrangements shall be made to suppress the fugitive emissions.	Water sprinkling is being undertaken at project site to suppress fugitive dust emissions at construction site.
v	Potable drinking water and proper sanitation facilities should be provided for the labour force and the local area people.	Condition is being complied
vi	Restoration of construction area including dumping site of excavated materials shall be ensured by leveling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.	Restoration of construction area and dumping site shall be done after completion of the project components and in synchronization with construction activities.
vii	Environmental parameters shall be monitored regularly and six-monthly reports shall be submitted to the Regional Office of the Ministry and State Pollution Control Board for review.	Condition is being complied.
viii	The project proponent shall also submit six monthly compliance reports of the stipulated EC conditions (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF & CC / State Pollution Control Board. Both monitoring report and compliance report shall be up-loaded on the web-site of the project proponent.	Six monthly compliance reports are being submitted regularly to MoEF&CC regional office (North -central zone Dehradun and HP Pollution Control Board. Last Six Monthly Report (1st April 2021 to 30th September 2021) submitted on 25.11.2021.  Environment Monitoring of air, water, soil and ambient noise level were carried out by M/s Odma Laboratories Limited during the compliance period and same was within permission limit (copy enclosed as <b>Annexure-II</b> ).
5	The project proponent shall provide full cooperation and all required documents, data and access to the officials of regional office of MOEF & CC who would be monitoring the implementation of environment safeguards	Shall be ensured.
6	The responsibility of implementation of environmental safeguards rests fully with the M/S SJVN Ltd and Government of Himachal Pradesh.	Noted
7	Besides the above stated conditions, the project proponent and Government of Himachal Pradesh shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time. The Government of Himachal Pradesh may also like to monitor implementation of EMP at regular intervals.	Agreed
8	The implementation of Environmental Management Plan shall be strictly adhered to and a sum of Rs.34.15 crores, the budgetary provisions for implementation of EMP shall be fully utilized and not to be diverted for any other	-do-

	purpose. The project proponent may critically monitor & review project to ensure completion of scheduled. Project management tools like PERT/CPM may be used to monitoring progress.	
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 of the project.	Noted
10	Any change in the scope of the project shall be intimated to the Ministry and fresh issue of this letter for commencement of construction work of the project.	Agreed
11	The Ministry reserves the right to review this clearance order and 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
12	A multi-disciplinary Committee (MDC) for monitoring the implementation of environmental safe guards during construction shall be constituted by the project proponent (PP) in consultation with the Ministry as early as possible. A panel may be proposed by the PP and submitted to Ministry. The project proponent shall organize six monthly meetings of the Committee and submit the monitoring report to the Ministry.	A letter along with Consent of different committee members has been sent to MoEF&CC, New Delhi on 29.10.2021 and 10.02.2022 for constitution of Multi-Disciplinary Committee (MDC) (copy enclosed as <b>Annexure-III</b> ).  Shall be ensured.
13	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, urban local body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Needful done
14	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project location, 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 letter are available with the State Pollution Control Board/ Committee and may also be seen at website of the Ministry of Environment and Forests at <a href="http://www.envior.nic.in">http://www.envior.nic.in</a> .	The advertisement was published in local Punjab Kesari and Apka Faisla News papers on dated 16.11.2013 and 22.11.2013 respectively
15	After 5 years of the commissioning of the project, a study shall be undertaken regarding impact of	Shall be ensured.

	the project on the environment and downstream ecology. The study shall be undertaken by an independent agency to be decided in consultation with the Ministry.	
16	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days from the date of issue, as prescribed under Section 10 of the National Green Tribunal Act, 2010.	Noted

<b>3)</b>	<b>Conditions imposed by the Ministry of Environment, Forest and Climate Change, GOI while granting Amendment in Environment Clearance vide letter no. J-12011/15/2010-IA.I dated 19/05/2021</b>	
<b>Sl No.</b>	<b>Conditions Imposed</b>	<b>Compliance Status</b>
i	Issues raised during public hearing and accordingly promised by PP should be implemented in stipulated time frame.	Shall be ensured
ii	Necessary control measures such as water sprinkling arrangements at all the construction and muck disposal sites and construction of paved roads leading to muck disposal sites shall be made to arrest fugitive dust and proper institutional mechanism be prepared for supervising this activity during operation & maintenance stage of the project.	Water sprinkling is being done at all construction sites to arrest fugitive dust.
iii	Stabilization of muck disposal sites using biological and engineering measures shall be taken up to ensure that muck does not roll down the slopes and shall be disposed safely and that it does not pollute the natural streams and water bodies in surrounding area. The engineering measures for the muck disposal arrangements be evolved after carrying out required slope stability analysis.	Stabilization of dumping site shall be done after completion of construction activities.
iv	Slope height of disposed muck should be maintained at 25 degrees for stabilization of muck.	Condition is being complied
v	Necessary consent shall be obtained from District Administration due to proposed change in private land use for dumping of muck	Shall be ensured

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**Annexure-I**  
**एसजेवीएन लिमिटेड**  
**SJVN LIMITED**

Annexure - A

भारत सरकार एवं हिमाचल सरकार का संक्युत उपक्रम )  
(A joint venture of Govt. of India and Govt. of HP)

धौलासिद्ध जल विद्युत परियोजना

Dhaulta-Sidh Hydro Electric Project

हाउस नंबर-113 वार्ड नंबर-1 कृष्णा नगर, हमीरपुर (हि० प्र०)-177001  
H.No.-113, Ward No.-1, Krishna Nagar, Hamirpur (HP) - 177001  
CIN - L40101HP1988GOI008409

Tele: 01972-222635

Fax : 01972-223235

E-Mail: hop.dshep@gmail.com

Web : www.sjvn.nic.in

NO: SJVN/DSHEP/DGM(C)/Forest/2019 - 77

Dated: 10.10.2019

To

DFO,  
Forest Division, Hamirpur,  
Himachal Pradesh.

Sub: Diversion of 57.7365 ha of Forest Land in favour of M/s SJVN (A joint Venture of Govt of India and Govt of HP) for the construction of 66.00 MW Dhaultasidh HEP, within the jurisdiction of Palampur, Hamirpur and Dehra forest divisions, Distt Kangra and Hamirpur, Himachal Pradesh - Deposit of Amount of NPV, CA, CAT Plan etc.

Sir,

With reference to your demand letter no.8290 dated 04/10/2019 the net total amount of Rs 308237538/- has been deposited on 09/10/2019 as per detail given below.

Sr. No.	Cost For	Hamirpur Division (Rs)	Dehra Division (Rs)	Palampur Division (Rs)	Total (Rs)	Remarks/ Mode of payment
1	Compensatory Afforestation including maintenance of Plantation Area	7321490	10537024	2578200	20436714	Amount deposited in Himachal Pradesh CAMPA account through e-challan (PUNBR5201910091 9596186)dated 09/10/2019 amounting to Rs 268252161/- only.
2	NPV	15944689	24825227	8315138	49085054	
3	Contingencies	366080	526851	128910	1021841	
4	CAT Plan				197708552	
	Total (A)	23632259	35889102	11022248	268252161	
4	Cost of trees	20017779	11942670	4448494	36408943	Through DD No. 355165, 355166 & 355167 dated 09/10/19 amounting to Rs21299049/-, Rs 4899679/- & 13786649/- in favor of DFO Hamirpur, Palampur & Dehra respectively
5	Departmental Charges	1281270	1843979	451185	3576434	
	Total (B)	21299049	13786649	4899679	39985377	
	Grand Total	44931308	49675751	15921927	308237538	



एसजेवीएन लिमिटेड  
SJVN LIMITED

भारत सरकार एवं हिमाचल सरकार का संक्युत उपक्रम )  
(A joint venture of Govt. of India and Govt. of HP)  
धौलासिद्ध जल विद्युत परियोजना

Dhaulta-Sidh Hydro Electric Project

हाउस नंबर-113 वाई नंबर-1 कृष्णा नगर, हमीरपुर (हि० प्र०)-177001  
H.No.-113, Ward No.-1, Krishna Nagar, Hamirpur (HP) – 177001  
CIN – L40101HP1988GOI008409

Tele: 01972-222635

Fax : 01972-223235

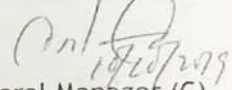
E-Mail: [hop.dshep@gmail.com](mailto:hop.dshep@gmail.com)

Web : [www.sjvn.nic.in](http://www.sjvn.nic.in)

It is requested that the compliance report in respect of Dhaultasidh HEP may please be submitted to Nodal Officer FCA Shimla for further submission to MoEF&CC for Stage-II forest clearance.

Thanking you,

Yours faithfully,

  
Dy. General Manager (C)  
DSHEP, Hamirpur

CC:

1. CF, Forest Circle, Hamirpur for information please
2. HOP, DSHEP, Hamirpur for kind information please

o/c

NO: SJVN/DSHEP/DGM(C)/Forest/2019 -

Dated:



**H.P.STATE POLLUTION CONTROL BOARD**  
**FORM X**  
**REPORT BY STATE BOARD ANALYST**  
(See Rule 26)

Report No: 5424886/W-2456

14/04/2022

I hereby certify that I **Sunanda Patial, SO**, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on **17/03/2022** from **Mohit Bharti, JEE**, HP State Pollution Control Board **RO Una** a **Grab** sample of **Upstream of Project site of Dhaulasidh Hydro Electric Project, Village Sanotu, PO Jiham, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun Distt. Hamirpur, H.P. 177001** on dated **16/03/2022** for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analyzed the aforementioned sample on **17/03/2022** to **14/04/2022** and declare the result of analysis is to be as follows :-

Method of analysis					
IS- 2488(I-V), IS-3025(Part 44): 1933, 'Standard method for examination of water', 22th edition prepared and published jointly by:-					
1. American Public Health Association 2. American Water Works Association 3. Water Pollution Control Federation					
SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	TSS	2.0	mg/L	100	Within Permissible Limit
2	BOD	1.0	mg/L	30	Within Permissible Limit
3	pH	7.36		5.5-9.0	Within Permissible Limit
4	COD	4.0	mg/L	250	Within Permissible Limit
5	Fecal Coliform	2	MPN/100ml	NA	NA
6	Total Coliform	14	MPN/100ml	NA	NA
7	Oil and Grease	0.16	mg/L	10	Within Permissible Limit

The condition of the seals, fastening and container on receipt was as: sealed as **PCB**

Signed this on **14/04/2022**

**Remarks of Lab Head:**

Compare results with standards notified

**Sunanda Patial, SO**



**(State Board Analyst)**  
**RL Dharamshala**

**From:**

H.P. STATE POLLUTION CONTROL BOARD,  
RL Dharamshala

**To:**

Dhulasidh Hydro Electric Project  
Village Sanotu, PO Jiham, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun,  
Distt.Hamirpur, H.P.177001



**H.P.STATE POLLUTION CONTROL BOARD**  
**FORM X**  
**REPORT BY STATE BOARD ANALYST**  
(See Rule 26)

Report No: 5424926/W-2454

14/04/2022

I hereby certify that I **Sunanda Patial, SO**, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on **17/03/2022** from **Mohit Bharti, JEE**, HP State Pollution Control Board **RO Una** a **Grab** sample of **Downstream of Project site of Dhaulasidh Hydro Electric Project, Village Sanotu, PO Jiham, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun Distt. Hamirpur, H.P. 177001** on dated **16/03/2022** for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analyzed the aforementioned sample on **17/03/2022** to **14/04/2022** and declare the result of analysis is to be as follows :-

Method of analysis					
IS- 2488(I-V), IS-3025(Part 44): 1933, 'Standard method for examination of water', 22th edition prepared and published jointly by:-					
1. American Public Health Association 2. American Water Works Association 3. Water Pollution Control Federation					
SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	BOD	1.0	mg/L	30	Within Permissible Limit
2	pH	7.27		5.5-9.0	Within Permissible Limit
3	COD	8.0	mg/L	250	Within Permissible Limit
4	Fecal Coliform	2	MPN/100ml	NA	NA
5	Total Coliform	17	MPN/100ml	NA	NA
6	Oil and Grease	0.32	mg/L	10	Within Permissible Limit
7	TSS	5.0	mg/L	100	Within Permissible Limit

The condition of the seals, fastening and container on receipt was as: sealed as **PCB**

Signed this on **14/04/2022**

**Remarks of Lab Head:**

Compare results with standards notified

**Sunanda Patial, SO**



**(State Board Analyst)**  
**RL Dharamshala**

**From:**

H.P. STATE POLLUTION CONTROL BOARD,  
RL Dharamshala

**To:**

Dhulasidh Hydro Electric Project  
Village Sanotu, PO Jiham, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun,  
Distt.Hamirpur, H.P.177001



**H.P.STATE POLLUTION CONTROL BOARD**  
**FORM X**  
**REPORT BY STATE BOARD ANALYST**  
(See Rule 26)

Report No: 5424978/W-2455

14/04/2022

I hereby certify that I **Sunanda Patial, SO**, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on **17/03/2022** from **Mohit Bharti, JEE**, HP State Pollution Control Board **RO Una** a **Grab** sample of **Borewell** of **Dhulasidh Hydro Electric Project, Village Sanotu, PO Jiham, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun Distt. Hamirpur, H.P. 177001** on dated **16/03/2022** for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analyzed the aforementioned sample on **17/03/2022** to **14/04/2022** and declare the result of analysis is to be as follows :-

Method of analysis					
IS- 2488(I-V), IS-3025(Part 44): 1933, 'Standard method for examination of water', 22th edition prepared and published jointly by:-					
1. American Public Health Association 2. American Water Works Association 3. Water Pollution Control Federation					
SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	pH	7.08		5.5-9.0	Within Permissible Limit
2	Fecal Coliform	2	MPN/100ml	NA	NA
3	BOD	1.0	mg/L	30	Within Permissible Limit
4	Total Coliform	13	MPN/100ml	NA	NA

The condition of the seals, fastening and container on receipt was as: sealed as **PCB**

Signed this on **14/04/2022**

**Remarks of Lab Head:**

Compare results with standards notified



**Sunanda Patial, SO**  
(State Board Analyst)

**From:**

H.P. STATE POLLUTION CONTROL BOARD,  
RL Dharamshala

**To:**

Dhulasidh Hydro Electric Project  
Village Sanotu, PO Jiham, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun,  
Distt.Hamirpur, H.P.177001



**H.P.STATE POLLUTION CONTROL BOARD**  
**FORM X**  
**REPORT BY STATE BOARD ANALYST**  
(See Rule 26)

Report No: 5757512/W-2666

05/05/2022

I hereby certify that I **Sunanda Patial, SO**, State Board Analyst duly appointed under sub-section (3) of section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on **13/04/2022** from **Mohit Bharti, JEE**, HP State Pollution Control Board **RO Una** a **Grab** sample of **Final Outlet of STP of Dhaulasidh Hydro Electric Project, Village Sanotu, PO Jihan, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun Distt. Hamirpur, H.P. 177001** on dated **12/04/2022** for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analyzed the aforementioned sample on **13/04/2022** to **05/05/2022** and declare the result of analysis is to be as follows :-

Method of analysis					
IS- 2488(I-V), IS-3025(Part 44): 1933, 'Standard method for examination of water', 22th edition prepared and published jointly by:-					
1. American Public Health Association 2. American Water Works Association 3. Water Pollution Control Federation					
SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	BOD	10.0	mg/L	30	Within Permissible Limit
2	pH	6.79		5.5-9.0	Within Permissible Limit
3	COD	56.0	mg/L	250	Within Permissible Limit
4	TSS	27.0	mg/L	100	Within Permissible Limit
5	Oil and Grease	0.32	mg/L	10	Within Permissible Limit

The condition of the seals, fastening and container on receipt was as: sealed as **PCB**

Signed this on **05/05/2022**

**Remarks of Lab Head:**

Compare results with standard

**Sunanda Patial, SO**  
**(State Board Analyst)**  
**RL Dharamshala**



**From:**

H.P. STATE POLLUTION CONTROL BOARD,  
RL Dharamshala

**To:**

Dhulasidh Hydro Electric Project  
Village Sanotu, PO Jihan, Tehsil Nadaun, Distt. Hamirpur (HP), Nadaun,  
Distt.Hamirpur, H.P.177001



# Idma Laboratories Limited

(A Government Approved Test House)



Certificate No.: TC-8207

NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Page No. 1/2

Ref. No. IL/D- 18144

Date 09.12.21

**Issued To:**

M/s.Rithwik Projects Pvt. Limited  
DSHEP 66 MW Hydro Electric Project  
Dhaura Sidh  
Hamirpur  
Himachal Pradesh

Test Report as per : NAAQS

**Report No.:** 011221L-ED-001  
(Job Card.No.)

**Report Issued Date:** 06/12/2021

**Your reference:** E-MAIL

**Reference Date :** 24/11/2021

**PART A. PARTICULARS OF SAMPLE SUBMITTED**

- (a) Nature of Sample : Ambient Air  
(b) Grade/Variety/Type/Class/Size :  
(c) Brand Name if any : Ambient Air  
(d) Declared Values if any : N/A  
(e) Code No. :  
(f) Batch No. & Date of Manufacture : , DOM = N.M., DOE =  
(g) Quantity : 1 No.  
(h) Mode of packing : Filter Paper Packed in Polythene Pouch  
(i) Date of Receipt of Sample : 01/12/2021  
(j) Date of Sampling : 29/11/2021  
(k) Mode of Collection of Sample : Sampling By Laboratories  
(l) Sampling Location : Colony Area  
(m) Sampling Team Idma : Idma Representative Team  
(n) Any other information : N/A  
(o) Sampling Protocol : IS: 5182  
(p) Date of Commencement of testing : 01/12/2021  
(q) Date of Completion of testing : 06/12/2021

Client : Mr. Rameej Raza

**PART A: NOTES:**

- N.B 1. This report, in full or in part, shall not be published, advertised, used for any legal action, without prior permission  
2. This test report is ONLY FOR THE SAMPLE TESTED.

Prepared By

Authorised Signatory  
(Sample Cell)

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

**Tel. No. :** 0172-5064827, 5064830 **Website :** www.idmagroup.co.in

**E-mail :** testing@idmagroup.co.in **E-mail :** support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

Certificate No.: TC-8207

## TEST REPORT

Page No. 2/2

Ref. No. IL/D- 18144

Date 09.12.21

Report No. 011221L-ED-001

NAAQS

Report Issued Date: 06/12/2021

### PART B: SUPPLEMENTARY INFORMATIONS:

- a) Reference to sampling procedure, wherever applicable: IS: 5182  
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached): N/A  
c) Deviation from the test methods, if any:

### PART C. TEST RESULTS

Sr. No.	Test / CL. REF.	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Ambient air)	-	-	-	-
1	PM 10	µg/m <sup>3</sup>	Max. 100	80.6	IS 5182 (Part 23) : 2006
2	PM2.5	µg/m <sup>3</sup>	Max. 60	41.2	IDL/SP/03, Issue No-1. Issue Date.16.04.16
3	SO <sub>2</sub>	µg/m <sup>3</sup>	Max. 80	17.5	IS 5182 (Part 2) : 2001
4	NO <sub>2</sub>	µg/m <sup>3</sup>	Max. 80	21.4	IS 5182 (Part 6) : 2006
5	NH <sub>3</sub>	µg/m <sup>3</sup>	Max. 400	25.8	IS 11255 (Part 6) :1999
6	CO	mg/m <sup>3</sup>	Max. 02	0.41	IS 5182 (Part 10) :1999
7	Ozone	µg/m <sup>3</sup>	Max. 100	21	IS 5182 (Part 9) :1974
8	Benzene	µg/m <sup>3</sup>	Max. 05	<0.5	IS 5182 (Part 11) : 2006
9	Benzo-a-Pyrene(BaP) - Particulate phase	ng/m <sup>3</sup>	Max. 01	Not Detected	IS 5182 (Part 12) : 2004
10	Arsenic	ng/m <sup>3</sup>	Max. 06	<1	EPA/625/R-96/010a:1999 & USEPA IO-3.2:1999
11	Nickel	ng/m <sup>3</sup>	Max. 20	<8	EPA/625/R-96/010a:1999 & USEPA IO-3.2:1999
12	Lead	µg/m <sup>3</sup>	Max. 1.0	<0.1	EPA/625/R-96/010a:1999 & USEPA IO-3.2:1999

### PART D. REMARKS --

*RSL*  
06/12/21  
Tested By

Authorised signatory



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



Certificate No.: TC-8207

NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Page No. 1/2

Ref. No. IL/D- 18145 Date 09.12.21

**Issued To:**

M/s.Rithwik Projects Pvt. Limited  
DSHEP 66 MW Hydro Electric Project  
Dhaulta Sidh  
Hamirpur  
Himachal Pradesh

Test Report as per : NAAQS

**Report No.:** 011221L-ED-002  
(Job Card.No.)

**Report Issued Date:** 06/12/2021

**Your reference:** E-MAIL

**Reference Date :** 24/11/2021

**PART A. PARTICULARS OF SAMPLE SUBMITTED**


- (a) Nature of Sample : Ambient Air  
(b) Grade/Variety/Type/Class/Size :  
(c) Brand Name if any : Ambient Air  
(d) Declared Values if any : N/A  
(e) Code No. :  
(f) Batch No. & Date of Manufacture : , DOM = N.M., DOE =  
(g) Quantity : 1 No.  
(h) Mode of packing : Filter Paper Packed in Polythene Pouch  
(i) Date of Receipt of Sample : 01/12/2021  
(j) Date of Sampling : 29/11/2021  
(k) Mode of Collection of Sample : Sampling By Laboratories  
(l) Sampling Location : Tunnel Area  
(m) Sampling Team Idma : Idma Representative Team  
(n) Any other information : N/A  
(o) Sampling Protocol : IS: 5182  
(p) Date of Commencement of testing : 01/12/2021  
(q) Date of Completion of testing : 06/12/2021

Client : Mr. Rameej Raza

**PART A: NOTES:**

- N.B 1. This report, in full or in part, shall not be published, advertised, used for any legal action, without prior permission  
2. This test report is ONLY FOR THE SAMPLE TESTED.

Prepared By 

Authorised signatory  
(Sample Cell) 

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

**Tel. No. :** 0172- 5064827, 5064830 **Website :** www.idmagroup.co.in

**E-mail :** testing@idmagroup.co.in **E-mail :** support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



Certificate No. : TC-8207

NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Page No. 2/2

Ref. No. IL/D- 18145

Date 09.12.21

Report No. 011221L-ED-002

NAAQS

Report Issued Date: 06/12/2021

### PART B: SUPPLEMENTARY INFORMATIONS:

- a) Reference to sampling procedure, wherever applicable: IS: 5182  
 b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached): N/A  
 c) Deviation from the test methods, if any:

### PART C. TEST RESULTS

Sr. No.	Test / CL. REF.	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Ambient air)	-	-	-	-
1	PM 10	µg/m <sup>3</sup>	Max. 100	78.3	IS 5182 (Part 23) : 2006
2	PM2.5	µg/m <sup>3</sup>	Max. 60	40.9	IDL/SP/03, Issue No-1. Issue Date.16.04.16
3	SO2	µg/m <sup>3</sup>	Max. 80	18.6	IS 5182 (Part 2) : 2001
4	NO2	µg/m <sup>3</sup>	Max. 80	24.1	IS 5182 (Part 6) : 2006
5	NH3	µg/m <sup>3</sup>	Max. 400	29.0	IS 11255 (Part 6) :1999
6	CO	mg/m <sup>3</sup>	Max. 02	0.63	IS 5182 (Part 10) :1999
7	Ozone	µg/m <sup>3</sup>	Max. 100	21	IS 5182 (Part 9) :1974
8	Benzene	µg/m <sup>3</sup>	Max. 05	<0.5	IS 5182 (Part 11) : 2006
9	Benzo-a-Pyrene(BaP ) - Particulate phase	ng/m <sup>3</sup>	Max. 01	Not Detected	IS 5182 (Part 12) : 2004
10	Arsenic	ng/m <sup>3</sup>	Max. 06	<1	EPA/625/R-96/010a:1999 & USEPA IO-3.2:1999
11	Nickel	ng/m <sup>3</sup>	Max. 20	<8	EPA/625/R-96/010a:1999 & USEPA IO-3.2:1999
12	Lead	µg/m <sup>3</sup>	Max. 1.0	<0.1	EPA/625/R-96/010a:1999 & USEPA IO-3.2:1999

### PART D. REMARKS --

Tested By  
6/12/21

Authorised signatory

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

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NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

Certificate No. : TC-8207

## TEST REPORT

Page No. 1/2

Ref. No. IL/D- 18146 Date 09.12.21

**Issued To:**

M/s.Rithwik Projects Pvt. Limited  
DSHEP 66 MW Hydro Electric Project  
Dhaura Sidh  
Hamirpur  
Himachal Pradesh

Test Report as per : CPCB PROTOCOL July 2015

**Report No.:** 011221L-ED-003  
(Job Card.No.)

**Report Issued Date:** 06/12/2021

**Your reference:** E-MAIL

**Reference Date :** 24/11/2021

**PART A. PARTICULARS OF SAMPLE SUBMITTED**

- (a) Nature of Sample : Noise Level (Ambient)  
(b) Grade/Variety/Type/Class/Size :  
(c) Brand Name if any : Noise Level (Ambient)  
(d) Declared Values if any : N/A  
(e) Code No. :  
(f) Batch No. & Date of Manufacture : , DOM = N.M., DOE =  
(g) Quantity : 1 No.  
(h) Mode of packing : Instrumental At Site  
(i) Date of Receipt of Sample : 01/12/2021  
(j) Date of Sampling : 30/11/2021  
(k) Mode of Collection of Sample : Sampling By Laboratories  
(l) Sampling Location : Cursher Area  
(m) Sampling Team Idma : Idma Representative Team  
(n) Any other information : N/A  
(o) Sampling Protocol : IS: 9989  
(p) Date of Commencement of testing : 01/12/2021  
(q) Date of Completion of testing : 06/12/2021

Client : Mr. Rameej Raza

**PART A: NOTES:**

- N.B 1. This report, in full or in part, shall not be published, advertised, used for any legal action, without prior permission  
2. This test report is ONLY FOR THE SAMPLE TESTED.

Prepared By

Authorised signatory  
(Sample Cell)

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

Certificate No. : TC-8207

## TEST REPORT

Page No. 2/2

Ref. No. IL/D- 18146

Date 09.12.21

Report No. 011221L-ED-003

CPCB PROTOCOL July 2015

Report Issued Date: 06/12/2021

### PART B: SUPPLEMENTARY INFORMATIONS:

- a) Reference to sampling procedure, wherever applicable: IS: 9989
- b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached): N/A
- c) Deviation from the test methods, if any:

### PART C. TEST RESULTS

Sr. No.	Test / CL. REF.	Units	Limits, Day	Results	Test Method
	CHEMICAL DISCIPLINE (Ambient Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	49.5	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	42.8	CPCB PROTOCOL July 2015.

### PART D. REMARKS --

Naresh  
6/12/21  
Tested By

Authorized signatory

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830

Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in

E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



Certificate No. : TC-8207

NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Page No. 1/2

Ref. No. IL/D- 18147

Date 09.12.21

**Issued To:**

M/s.Rithwik Projects Pvt. Limited  
DSHEP 66 MW Hydro Electric Project  
Dhaulta Sidh  
Hamirpur  
Himachal Pradesh

Test Report as per : CPCB PROTOCOL July 2015

**Report No.:** 011221L-ED-004  
(Job Card.No.)

**Report Issued Date:** 06/12/2021

**Your reference:** E-MAIL

**Reference Date :** 24/11/2021

**PART A. PARTICULARS OF SAMPLE SUBMITTED**

- (a) Nature of Sample : Noise Level (Ambient)  
(b) Grade/Variety/Type/Class/Size :  
(c) Brand Name if any : Noise Level (Ambient)  
(d) Declared Values if any : N/A  
(e) Code No. :  
(f) Batch No. & Date of Manufacture : , DOM = N.M., DOE =  
(g) Quantity : 1 No.  
(h) Mode of packing : Instrumental At Site  
(i) Date of Receipt of Sample : 01/12/2021  
(j) Date of Sampling : 30/11/2021  
(k) Mode of Collection of Sample : Sampling By Laboratories  
(l) Sampling Location : Tunnel Side  
(m) Sampling Team Idma : Idma Representative Team  
(n) Any other information : N/A  
(o) Sampling Protocol : IS: 9989  
(p) Date of Commencement of testing : 01/12/2021  
(q) Date of Completion of testing : 06/12/2021

Client : Mr. Rameej Raza

**PART A: NOTES:**

N.B 1. This report, in full or in part, shall not be published, advertised, used for any legal action, without prior permission

2. This test report is ONLY FOR THE SAMPLE TESTED.

Prepared By 

Authorised signatory   
(Sample Cell)

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172- 5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

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Certificate No. : TC-8207

## TEST REPORT

Page No. 2/2

Ref. No. IL/D- 18147

Date 09.12.21

Report No. 011221L-ED-004

CPCB PROTOCOL July 2015

Report Issued Date: 06/12/2021

### PART B: SUPPLEMENTARY INFORMATIONS:

- a) Reference to sampling procedure, wherever applicable: IS: 9989  
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached): N/A  
c) Deviation from the test methods, if any:

### PART C. TEST RESULTS

Sr. No.	Test / CL. REF.	Units	Limits, Day	Results	Test Method
	CHEMICAL DISCIPLINE (Ambient Noise Levels)	-	-	-	-
1	Lday	dB(A)	Max 75	55.0	CPCB PROTOCOL July 2015.
2	LNight	dB(A)	Max 70	41.6	CPCB PROTOCOL July 2015.

### PART D. REMARKS --

*Naresh*  
6/12/21  
Tested By

Authorised signatory

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Ref. No. IL/D-	18148	Date	09.12.21	Lab No.	011221L-ED-005/A	Page No.	1/1
Customer	Rithwik Projects Pvt. Limited DSHEP 66 MW Hydro Electric Project Dhaula Sidh Hamirpur Himachal Pradesh						
Type of Sample	Drinking Water						
Customer's Description of Sample	Drinking Water						
Quantity	5 Ltr. + 250 ml						
Packing, Markings, Seal & Quantity	Plastic Can & Glass Bottle						
Mode of Collection of Sample	Sampling By Laboratories						
Work Order No.	E-MAIL					Dated	24/11/2021
Date of Receipt of Sample	01/12/2021						
Period of Analysis	01/12/2021 To 06/12/2021						
Sampling Team Idma	Idma Representative Team					Client	Mr. Rameej Raza
Sampling Location	Borewell Water						
Visual Observation	N/A						
Date of Sampling	30/11/2021						
Date of Reporting	06/12/2021						
Sampling Protocol	IS: 3025-1987 & ILL/SOP/MB/034						
Testing Protocol	IS: 10500:2012 Amdt 1 & 2						

## RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Chemical Testing (Water)	-	-	-	-	-
1	Color	Hazen	<1	Max. 5	Max. 15	IS 3025 (Part 4) : 1983
2	Odour	Qualitative	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 1983
3	pH	-	8.01	6.5-8.5	No Relaxation	IS 3025 (Part 11) : 1983
4	Alkalinity as CaCO3	mg/L	540	Max. 200	Max. 600	IS 3025 (Part 23) : 1986
5	Calcium as Ca	mg/L	120	Max. 75	Max. 200	IS 3025 (Part 40) : 1991
6	Chloride as Cl	mg/L	165.3	Max. 250	Max. 1000	IS 3025 (Part 32) : 1988
7	Fluoride as F	mg/L	0.8	Max. 1	Max. 1.5	IS: 3025 (Part 60) : 2008
8	Hardness Total (as CaCO3)	mg/L	452	Max. 200	Max. 600	IS 3025 (Part 21) : 2009
9	Total Dissolved Solids	mg/L	667	Max. 500	Max. 2000	IS 3025 (Part 16) : 1984
10	Iron as Fe	mg/L	0.52	Max. 1.0	No Relaxation	IS 3025 (Part 53) : 2003

\*\*End of Report\*\*

*[Signature]*  
Analyst

For Idma Laboratories Limited

*[Signature]*  
Authorized Signatory  
JM/II/III  
Panchkula



Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)

MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Ref. No. IL/D- 18148	Date 09.12.21	Lab No. 011221L-ED-005/B	Page No. 1/1
Customer	Rithwik Projects Pvt. Limited DSHEP 66 MW Hydro Electric Project Dhaula Sidh Hamirpur Himachal Pradesh		
Type of Sample	Drinking Water		
Customer's Description of Sample	Drinking Water		
Quantity	5 Ltr. + 250 ml		
Packing, Markings, Seal & Quantity	Plastic Can & Glass Bottle		
Mode of Collection of Sample	Sampling By Laboratories		
Work Order No.	E-MAIL	Dated	24/11/2021
Date of Receipt of Sample	01/12/2021		
Period of Analysis	01/12/2021 To 06/12/2021		
Sampling Team Idma	Idma Representative Team	Client	Mr. Rameej Raza
Sampling Location	Borewell Water		
Visual Observation	N/A		
Date of Sampling	30/11/2021		
Date of Reporting	06/12/2021		
Sampling Protocol	IS: 3025-1987 & ILL/SOP/MB/034		
Testing Protocol	IS: 10500:2012 Amdt 1 & 2		

## RESULTS

S.No.	Test Parameter	Units	Results	Requirements		Test Methods
				Acceptable Limit (Max)	Permissible Limit (Max)	
	Biological Testing (Water)	--	-	--	--	--
1	E. coli	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016
2	Total Coliform Bacteria	/100ml	Absent	Shall not be detectable in any 100ml sample	--	IS 15185: 2016

\*\*End of Report\*\*

Analyst *Janki*  
06/12/2021

For Idma Laboratories Limited  
*[Signature]*  
Authorized Signatory

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172- 5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in



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# Idma Laboratories Limited

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Certificate No. : TC-8207

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## TEST REPORT

Page No. 1/2

Ref. No. IL/D- 18150 Date 09.12.21

**Issued To:**

M/s.Rithwik Projects Pvt. Limited  
DSHEP 66 MW Hydro Electric Project  
Dhaura Sidh  
Hamirpur  
Himachal Pradesh

Test Report as per : -

**Report No.:** 011221L-ED-007  
(Job Card.No.)

**Report Issued Date:** 07/12/2021

**Your reference:** E-MAIL

**Reference Date :** 24/11/2021

**PART A. PARTICULARS OF SAMPLE SUBMITTED**

(a) Nature of Sample : SOIL  
(b) Grade/Variety/Type/Class/Size :  
(c) Brand Name if any : SOIL  
(d) Declared Values if any : N/A  
(e) Code No. :  
(f) Batch No. & Date of Manufacture : , DOM = N.M., DOE =  
(g) Quantity : 2 Kg  
(h) Mode of packing : Polythene Bag  
(i) Date of Receipt of Sample : 01/12/2021  
(j) Date of Sampling : 30/11/2021  
(k) Mode of Collection of Sample : Sampling By Laboratories  
(l) Sampling Location : Batching Plant  
(m) Sampling Team Idma : Idma Representative Team  
(n) Any other information : N/A  
(o) Sampling Protocol : IS: 2720  
(p) Date of Commencement of testing : 01/12/2021  
(q) Date of Completion of testing : 07/12/2021

Client : Mr. Rameej Raza

**PART A: NOTES:**

N.B 1. This report, in full or in part, shall not be published, advertised, used for any legal action, without prior permission

2. This test report is ONLY FOR THE SAMPLE TESTED.

Prepared By 

  
Authorised signatory  
(Sample Cell)

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

**Tel. No. :** 0172-5064827, 5064830 **Website :** www.idmagroup.co.in

**E-mail :** testing@idmagroup.co.in **E-mail :** support@idmagroup.co.in

Turn Overleaf



# Idma Laboratories Limited

(A Government Approved Test House)



Certificate No. : TC-8207

NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Page No. 2/2

Ref. No. IL/D- 18150

Date 09.12.21

Report Issued Date: 07/12/2021

Report No. 011221L-ED-007

### PART B: SUPPLEMENTARY INFORMATIONS:

- a) Reference to sampling procedure, wherever applicable: IS: 2720  
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached): N/A  
c) Deviation from the test methods, if any:

### PART C. TEST RESULTS

Sr. No.	Test / CL. REF.	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Soil)	-	-	-	-
1	pH	-	-	8.81	IS: 2720 (P-26)-1987
2	Conductivity	µs/cm	-	23.8	IS: 14767-2000
3	Moisture	%	-	15.4	IS: 2720 (P-22)-1972
4	Total Kjeldhal Nitrogen	mg/kg	-	110.7	IS: 14684-1999
5	Calcium and Magnesium	mg/kg	-	663	Manual for Soil Testing , Govt. of India. Jan.2011
6	Nitrate Nitrogen	mg/kg	-	87.6	Manual for Soil Testing , Govt. of India Jan.2011/ Ion Chromatograph
7	Total Potassium	mg/kg	-	22.1	Manual for Soil Testing , Govt. of India Jan.2011/ ICP
8	Iron	mg/kg	-	110	Manual for Soil Testing , Govt. of India Jan.2011/ ICP
9	Sodium	mg/kg	-	94.7	Manual for Soil Testing , Govt. of India Jan.2011/ ICP
10	Sodium Absorbtion Ratio (SAR)	-	-	3.6	APHA 2320,2340 & 3500B 23rd Edition, 2017

### PART D. REMARKS --

  
Tested By

  
Authorised signatory  


Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172-5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



Certificate No. : TC-8207

NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

## TEST REPORT

Page No. 1/2

Ref. No. IL/D- 18151 Date 09.12.21

**Issued To:**

M/s.Rithwik Projects Pvt. Limited  
DSHEP 66 MW Hydro Electric Project  
Dhaulta Sidh  
Hamirpur  
Himachal Pradesh

Test Report as per : -

**Report No.:** 011221L-ED-008  
(Job Card.No.)

**Report Issued Date:** 07/12/2021

**Your reference:** E-MAIL

**Reference Date :** 24/11/2021

### PART A. PARTICULARS OF SAMPLE SUBMITTED

- (a) Nature of Sample : SOIL  
(b) Grade/Variety/Type/Class/Size :  
(c) Brand Name if any : SOIL  
(d) Declared Values if any : N/A  
(e) Code No. :  
(f) Batch No. & Date of Manufacture : , DOM = N.M., DOE =  
(g) Quantity : 2 Kg  
(h) Mode of packing : Polythene Bag  
(i) Date of Receipt of Sample : 01/12/2021  
(j) Date of Sampling : 30/11/2021  
(k) Mode of Collection of Sample : Sampling By Laboratories  
(l) Sampling Location : Diverson Tunnel  
(m) Sampling Team Idma : Idma Representative Team  
(n) Any other information : N/A  
(o) Sampling Protocol : IS: 2720  
(p) Date of Commencement of testing : 01/12/2021  
(q) Date of Completion of testing : 07/12/2021

Client : Mr. Rameej Raza

### PART A: NOTES:

- N.B 1. This report, in full or in part, shall not be published, advertised, used for any legal action, without prior permission  
2. This test report is ONLY FOR THE SAMPLE TESTED.

Prepared By

Authorised signatory  
(Sample Cell)

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

**Tel. No. :** 0172-5064827, 5064830 **Website :** www.idmagroup.co.in

**E-mail :** testing@idmagroup.co.in **E-mail :** support@idmagroup.co.in

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# Idma Laboratories Limited

(A Government Approved Test House)



NABL (TC-8207) MOEF/BIS/FSSAI/State Pollution Boards/Drug & Cosmetic Act/ISO 9001; 14001; 18001 Certified

Certificate No.: TC-8207

## TEST REPORT

Page No. 2/2

Ref. No. IL/D- 18151

Date 09.12.21

Report No. 011221L-ED-008

Report Issued Date: 07/12/2021

### PART B: SUPPLEMENTARY INFORMATIONS:


- Reference to sampling procedure, wherever applicable: IS: 2720
- Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or photographs as appropriate to test report, if any (to be attached): N/A
- Deviation from the test methods, if any:

### PART C. TEST RESULTS

Sr. No.	Test / CL. REF.	Units	Specifications	Results	Test Method
	CHEMICAL TESTING (Soil)	-	-	-	-
1	pH	-	-	8.83	IS: 2720 (P-26)-1987 (RA 2016)
2	Conductivity	µs/cm	-	23.5	IS: 14767-2000(RA 2016)
3	Moisture	%	-	16.1	IS: 2720 (P-22)-1972 (RA 2015)
4	Total Kjeldhal Nitrogen	mg/kg	-	105	IS: 14684-1999 (RA 2014)
5	Calcium and Magnesium	mg/kg	-	691	Manual for Soil Testing, Govt. of India. Jan.2011
6	Nitrate Nitrogen	mg/kg	-	83.3	Manual for Soil Testing, Govt. of India Jan.2011/ Ion Chromatograph
7	Total Potassium	mg/kg	-	23.0	Manual for Soil Testing, Govt. of India Jan.2011/ ICP
8	Iron	mg/kg	-	109.7	Manual for Soil Testing, Govt. of India Jan.2011/ ICP
9	Sodium	mg/kg	-	93.9	Manual for Soil Testing, Govt. of India Jan.2011/ ICP
10	Sodium Absorbtion Ratio (SAR)	-	-	3.6	APHA 2320,2340 & 3500B 2nd Edition, 2017

### PART D. REMARKS --

  
Tested By

  
Authorised signatory

Idma Corporate Park, 391, Industrial Area, Phase-I, Panchkula, Haryana.

Tel. No. : 0172- 5064827, 5064830 Website : www.idmagroup.co.in

E-mail : testing@idmagroup.co.in E-mail : support@idmagroup.co.in

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# एसजेवीएन लिमिटेड SJVN Limited

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)

A 'Mini Ratna' & Schedule 'A' PSU

CIN: L4010HP1988GOI008409

धौलासिद्ध जल विद्युत परियोजना हमीरपुर

Dhaulasidh Hydro Electric Project Hamirpur



No.: SJVN/DSHEP/Env/EC/Compliance/2021- 90

Date: 29.10.2021

To

**Dr. Y.P. Singh,**  
**Director- IA-I,**  
**Ministry of Environment, Forest and Climate Change,**  
**Vayu Wing, Indira Paryavaran Bhawan, Jor Bagh Road,**  
**New Delhi- 110003**  
**E-mail: yogendra78@nic.in**

**Subject:- Constitution of Multi-Disciplinary Committee (MDC) to oversee the implementation of various environmental safeguards proposed in EIA/ EMP report during construction of Dhaulasidh HEP (66 MW), SJVN Ltd in Hamirpur District of Himachal Pradesh - regarding.**

**Reference:** Environment Clearance (EC) letter no. J-12011/15/2010-IA-I dated 21/02/2013 for construction of 66 MW Dhaulasidh Hydro Electric Project.

Sir,

Your kind attention is invited to above referred endorsement vide which Dhaulasidh Hydro Electric Project (66 MW) of SJVN Limited in the Hamirpur district of Himachal Pradesh is granted Environment Clearance.

As per Part B: General Conditions (12) of Environment Clearance, "A multi-disciplinary Committee (MDC) for monitoring the implementation of environmental safe guards during construction shall be constituted by the project proponent (PP) in consultation with the Ministry as early as possible. A panel may be proposed by the PP and submitted to Ministry. The project proponent shall organize six monthiy meetings of the Committee and submit the monitoring report to the Ministry".

In this context, letters were written to different Govt. departments and individual experts for nomination of members for the said multi-disciplinary committee and the same have been received from all concerned.

Accordingly, name of the committee members along with their consents are proposed for MDC and are attached as Annexure - I & Annexure - II respectively.

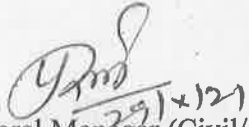
कारपोरेट मुख्यालय: शक्ति सदन, शानान,  
शिमला-171006 (हि.प्र.)  
परियोजना कार्यालय :  
धौलासिद्ध जल विद्युत परियोजना हमीरपुर,  
मकान न0 21, वार्ड न0 1, हीरा नगर, जिला हमीरपुर-177001 (हि0प्र0)  
दूरभाष: 01972-223237

**Corporate H.Q. :** Shakti Sadan,Shanan,  
Shimla-171006 (H.P.)  
**Project Office :**  
Dhaulasidh Hydro Electric Project Hamirpur  
H.No. 21, Ward No. 1, Heera Nagar, District Hamirpur-177001 (H.P.)  
Tele : 01972-223237

Therefore, it is requested kindly to constitute a Multi-Disciplinary Committee (MDC) to oversee the implementation of various environmental safeguards proposed in EIA/ EMP report of Dhaulasidh HEP (66 MW) during construction period of the project.

Thanking you.

Yours faithfully

  
Addl. General Manager (Civil/ Emt.)  
Dhaulasidh Hydro Electric Project  
Distt.- Hamirpur-177001 (H.P.)  
E-mail: pkg1dshep@gmail.com

**N.O.O.-**

- 1) ED, Corporate Environment Department, SJVN, Shakti Sadan, Shanan, Shimla for kind information please.
- 2) HOP, DSHEP, Hamirpur for kind information please.

एसजेवीएन लिमिटेड  
**SJVN Limited**

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)

A 'Mini Ratna' & Schedule 'A' PSU

CIN: L4010HP1988GOI008409

धौलासिद्ध जल विद्युत परियोजना हमीरपुर

Dhulasidh Hydro Electric Project Hamirpur



No.: SJVN/DSHEP/Envt/EC/Compliance/2022-135

Date: 10-02-2022

To

Director- IA-I,  
Ministry of Environment, Forest and Climate Change,  
Vayu Wing, Indira Paryavaran Bhawan, Jor Bagh Road,  
New Delhi- 110003

**Subject:- Constitution of Multi-Disciplinary Committee (MDC) to oversee the implementation of various environmental safeguards proposed in EIA/ EMP report during construction of Dhulasidh HEP (66 MW), SJVN Ltd in Hamirpur District of Himachal Pradesh - regarding.**

**Reference:** Environment Clearance (EC) letter no. J-12011/15/2010-IA-I dated 21/02/2013 for construction of 66 MW Dhulasidh Hydro Electric Project.

Sir,

This is in continuation to this office letter no. SJVN/DSHEP/Envt/EC/Compliance/2021-90 dated 29.10.2021 vide which it was requested for constitution of Multi – Disciplinary Committee (MDC) for Dhulasidh Hydro Electric Project (66 MW) of SJVN Limited in the Hamirpur district of Himachal Pradesh.

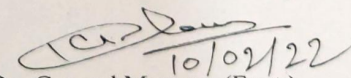
As per Part B: General Conditions (12), of Environment Clearance, "A multi-disciplinary Committee (MDC) for monitoring the implementation of environmental safe guards during construction shall be constituted by the project proponent (PP) in consultation with the Ministry as early as possible. A panel may be proposed by the PP and submitted to Ministry. The project proponent shall organize six monthly meetings of the Committee and submit the monitoring report to the Ministry".

It is also to inform that the actual construction of the project work has already been started.

Therefore, it is once again requested to kindly constitute a Multi – Disciplinary Committee (MDC) to oversee the implementation of various environmental safeguards proposed in EIA/ EMP report of Dhulasidh HEP (66 MW) during construction period of the project.

Thanking you.

Yours faithfully

  
10/02/22  
Dy. General Manager (Envt.)

Dhulasidh Hydro Electric Project

Distt.- Hamirpur-177001 (H.P.)

E-mail: pkg1dshep@gmail.com

कारपोरेट मुख्यालय: शक्ति सदन, शनान,

शिमला-171006 (हि.प्र.)

परियोजना कार्यालय :

धौलासिद्ध जल विद्युत परियोजना हमीरपुर,

मकान नं० 21, वार्ड नं० 1, हीरा नगर, जिला हमीरपुर-177001 (हि.प्र.)

दूरभाष 01972-223237

Corporate H.Q. : Shakti Sadan,Shanan,

Shimla-171006 (H.P.)

Project Office :

Dhulasidh Hydro Electric Project Hamirpur

H No. 21, Ward No. 1, Heera Nagar, District Hamirpur-177001 (H.P.)

Tele : 01972-223237

अपने तथा राष्ट्र के हित में ऊर्जा की बचत करें।

SAVE ENERGY FOR BENEFIT OF SELF AND NATION