



# टीएचडीसी इंडिया लिमिटेड THDC INDIA LIMITED

(भारत सरकार एवं उ. प्र. सरकार का संयुक्त उपक्रम)  
(A Joint Venture of Govt. of India & Govt. of U.P.)  
CIN : U45203UR1988GOI009822



सं० टीएचडीसी/ऋ०/सा० एवं पर्या०/फ०-117/127-(5)

दितांक: 08.09.2021

सेवा में,

सदस्य सचिव,

उत्तराखंड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड,

गौरा देवी पर्यावरण भवन, 46 B, IT पार्क,

सहस्रधारा रोड, देहरादून, उत्तराखंड

**विषय: 444 MW विष्णुगाड पीपलकोटी जल विद्युत परियोजना जिला चमोली हेतु वित्तीय वर्ष 2020-2021 के Environment Statement (Form V) के सम्बन्ध में।**

महोदय,

उपरोक्त विषयक निर्माणाधीन 444 MW विष्णुगाड पीपलकोटी जल विद्युत परियोजना जिला चमोली के फार्म V (Environment Statement - वित्तीय वर्ष 2020-21) को इस पत्र के माध्यम से संलग्न कर आपके सुलभ सन्दर्भ हेतु प्रेषित किया जा रहा है।

सधन्यवाद,

संलग्नक: उपरोक्तानुसार

*J. Anil*  
08/09/2021

(विपिन थपलियाल)  
वरि०-प्रबंधक (पर्यावरण)

प्रतिलिपि: सादर सूचनार्थ

1. अधिशाषी निदेशक (तकनीकी), टीएचडीसीआईएल, ऋषिकेश।
2. महाप्रबंधक (सा० एवं पर्या०), टीएचडीसीआईएल, ऋषिकेश।
3. अपर महाप्रबंधक (सा० एवं पर्या०), टीएचडीसीआईएल, पीपलकोटी।

प्रधान कार्यालय : गंगा भवन, प्रगतिपुरम, बाई पास रोड, ऋषिकेश-249 201

Corporate Office : GANGA BHAWAN, PRAGATIPURAM, BYPASS ROAD, RISHIKESH - 249201

पंजीकृत कार्यालय :- भागीरथी भवन (टॉप टेरिस) भागीरथीपुरम, टिहरी - गढ़वाल - 249201

Regd. Office : Bhagirathi Bhawan (Top Terrace), Bhagirathipuram, Tehri-garhwal-249001

टेलीफैक्स- 0135-2439463, Telefax : 0135-2439463, Website Address : www.thdc.gov.in

("हिन्दी को राजभाषा बनाना, भाषा का प्रश्न नहीं अपितु देशभिमान का प्रश्न है")

**ENVIRONMENTAL STATEMENT REPORT**

**For Year 2020-21**

Submitted to :

Uttarakhand Pollution Control Board (UKPCB)

**FORM - V**  
**ENVIRONMENTAL STATEMENT REPORT**  
**For Year 2020-21**

**M/s. THDC India Limited – Vishnugad Pipalkoti Hydro Electric Project, Chamoli**

**PART- A**

(i)	Name and address of the owner/Occupier of the Industry, operation or process	Sh. R.N. Singh Executive Director THDC India Limited, Vishnugad Pipalkoti Hydro Electric Project, P.O. - Pipalkoti, District – Chamoli, Uttarakhand
(ii)	Date of the last environmental Audit report submitted	10.09.2020
(iii)	Production Capacity	444 MW (Under construction)
(iv)	Year of Establishment	Under Construction
(v)	Last Environment Statement Submitted	Submitted for FY 2019-20

**PART- B**

**WATER AND RAW MATERIAL CONSUMPTION**

(i)	Water Consumption	
	Cooling: (Spraying)	NA
	Domestic / Drinking Water	36646.25 (From HCC), 37770.00 (From Mechanical) – 74416.25 Total KL/year  RO water purifier are installed at all Offices/Premises/Hostels/Rooms
	Process	NA

Name of Products	Water Consumption per unit of Product	
	During the previous Financial Year	During the Current Financial Year
1.	Not Applicable (Project is Under Construction)	
2.		
3.		
4.		

(ii)	Raw Material Consumption	
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Name of Raw Material Consume	Name of Products	Consumption of raw material per day
Not Applicable (Project is Under Construction)		

**PART- C**  
**Pollution discharged to environment/unit of output**

<b>Pollutants</b>	<b>Quantity of pollutants discharged (mass/day)</b>	<b>Concentration of pollutants in discharges (mass/volume)</b>	<b>Percentage of variation from prescribed standard with reasons</b>
Water	N/A (Project is under construction phase)		
Air	N/A (Project is under construction phase)		

**PART- D**  
**(HAZARDOUS WASTES)**

<b>Hazardous Wastes</b>	<b>Total Quantity (Kg)</b>	
	<b>During the previous financial year (FY – 2019-20)</b>	<b>During the current financial Year (FY – 2020-21)</b>
(a) From process (project construction activities)		
Used Tyres & Tubes	<i>400 Nos</i>	<i>329 Nos</i>
Waste Oil	<i>3142 ltr.</i>	<i>1888 ltr.</i>
Hydraulic Oil		
Gear Oil SP257		
Grease	NIL	NIL
Batteries	<i>32 Nos</i>	87 Nos
Waste or residue containing oil	NIL	NIL
(b) From pollution Control Facilities	Not Applicable	Not Applicable

**PART- E**  
**SOLID WASTES**

<b>Total Quantity (Kg)</b>		
	<b>During the previous financial year</b>	<b>During the current financial year</b>

(a) From process	147 bags/1470 kg of Solid waste has been disposed through local bodies (nil)	450 bags/4500 kg of Solid waste has been disposed through local bodies.
(b) From pollution Control		

### PART- F

Please specify the characterizations (in terms of composition of quantum) of Hazardous as well solid waste and indicate disposal practice adopted for both these categories of wastes.

1	Hazardous Wastes (Composition)	Total Quantity			
		During previous Financial Year (2019-20)		During Current Financial Year (2020-21)	
a)	Used Tyres & Tubes	400 Nos		329 Nos	
b)	Waste Oil	3142 ltr.		1888 ltr.	
c)	Hydraulic Oil				
d)	Gear Oil SP257				
e)	Grease	NIL		NIL	
f)	Batteries	32 Nos		87 Nos	
g)	Waste or residue containing oil	NIL		NIL	
h)	Process residue-waste tungsten carbide	Not Applicable		Not Applicable	
2	Description of Storage	<ul style="list-style-type: none"> <li>All the wastes are collected in leak proof closed vessels (Drums).</li> <li>Waste Oil is stored in closed drums and stored at Hazardous waste collected area.</li> <li>All Hazardous waste stored in drip tray on concrete surface which bonded from all side.</li> </ul>			
3	Details of Disposal of Hazardous Waste	Name & address of consignee	Mode of Packing	Mode of transportation	Date of transportation
		Bala Ji Traders (HCC)	Battery Waste (Buy back) (HCC)	Small Transporting vehicle(HCC)	23.07.2021 (HCC)
4	Quantity of useful material sent back to the manufacturers and others	87 Nos. Batteries			

<b>Solid Waste</b>	

## PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Sl. No.	Plan	Budget as per consolidated EIA-EMP report made by CES 2009 (in Crores)	Amount Spent (in Crores) (till March 2021)	Remark
1	Biodiversity Management Plan (including Monitoring of Kedarnath Wildlife Sanctuary)	6.81	1.4641	
2	Catchment Area Treatment Plan	47	47	
3	Fish Management Plan	1.14	2.2909	Fish Hatchery under construction
4	Green Belt Development Plan	0.6153	0.4424	
5	Solid Waste Management	0.9799	0.1138	EMP Budget for HCC and THDCIL - under common head. Amount spent by THDCIL only
6	Environment Monitoring Plan	2.231	1.0411	EMP Budget for HCC and THDCIL - under common head. Amount spent by THDCIL only
7	Adaptive Capacity Building	6.408		Not executed by Project directly
8	Capacity Building	2.138		
9	ISO 14001 & OHSAS 18001	0.2	0.1057	
9	Archaeological Management Plan	0.25		
10	Implementation of EMP as per responsibility (as per BoQ of Civil and HM contractor M/s		0.2928	

	HCC Ltd.)			
	a) Muck Management Plan	1.9783		
	b) Restoration of Quarry Sites	0.5		
	c) EMP measures for road construction	0.9		
	d) Sanitary Facility in Labor Camp	1.25		
	e) Provision of Fuel	0.1		
	f) Solid Waste Management			EMP Budget for HCC and THDCIL - under common head.
	g) Public Health Delivery System	3.73		EMP Budget for HCC and THDCIL - under common head. Under Public Health Delivery System, THDCIL has spent Rs. 4.20 Lacs directly. Same was added here.
<b>Total</b>		<b>76.2305</b>	<b>52.7508</b>	

The budget of Rs. 14.5 Cr in the EIA-EMP of VPHEP was approved by MoEF&CC, However, with the funding of the World Bank for VPHEP, the budget was considerably enhanced to Rs. 76.2305 Cr for the Environment Management Plan.

#### **PART- H**

Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- The monitoring of Environmental Parameters is being done as per the approved Environmental Management Plan.
- Environment Awareness Program for creating awareness amongst Local public is conducted from time to time with the help of noted Environmentalist and State Forest officials

#### **PART- I**

Any other particulates in respect of environmental protection and abatement of pollution.

- The project is ISO QMS 9001:2015, ISO EMS 14001:2015 and OHSAS 18001:2007 certified project.
- Plantation at various project areas including distribution of plants among villagers being executed from time to time.
- The contractor has appointed Health Safety and Environment Staff exclusively to take care of Safety and Environmental issues.

**Prepared By** : Vipin Thapliyal  
Sr. Manager (Envnt)  
THDCIL-Rishikesh

**For**

  
08/09/2021  
:  
**THDC India Ltd.**  
(Auth. Signatory)

**Dated** : 08.09.2021