



JSWHEL/KW/HPSPCB/BLG/2023- 13338

19th September 2023

JSW Hydro Energy Limited

(Formerly Himachal Baspa Power Company Limited)

Karcham - Wangtoo H. E. Project

Sholtu Colony, P.O. Tapri - 172104

District Kinnaur (Himachal Pradesh)

GSTIN : 02AADCH3821L1ZU

CIN. : U40101HP2014PLC000681

Phone : +91 9816507000, 9805002039

Fax : +91 1786 - 261258

To,

The Environmental Engineer

H.P State Pollution Control Board

Opposite Indira Market

Rampur, District Shimla (H.P)- 172001

**Sub: Karcham Wangtoo H.E.P (1045 MW)- Environment Statement for the year ending
31st March 2023.**

Dear Sir,

Enclosed herewith please find Environment Statement (Form-V) in accordance with the provisions of Rule-14 of the Environment (Protection) amendment Rules, 1993 of the Environment (Protection) Act, 1986 for the financial year ending 31st March 2023 pertaining to Karcham Wangtoo Hydroelectric Plant (1045MW).

Thanking You

Yours Faithfully,

For **JSW Hydro Energy Limited**

Authorized Signatory

Encl: As above



Part of O. P. Jindal Group

Corporate Office : JSW Centre,
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051

Phone : +91 22 4286 1000

Fax : +91 22 4286 3000



Himachal Pradesh State Pollution Control Board

'Him Parivesh', Phase -III, New Shimla-171009, HP.

Form-V

(See Rule 14)

(To be enclosed along with Consent Renewal Application Form for the subsequent year)

Submission of Environmental Statement is in accordance with the provisions of Rule-14 of the Environment (Protection). Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-04-1993- G.S.R. 386 (E) in the Gazette of India – Extraordinary- Part-II Section-3 Subsection (i). No. 155 dated 28-04-1993 by the Ministry of Environment and Forests, Government of India: read with the Notification dated 13-02-1993 G.S.R. 329 (E) of the Gazette of India-Extraordinary Part-II Section-3 Subsection (i) No. 120 dated 13-03-1993.

"Every Person carrying on an industry, operation, operation or process requiring Consent under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the Thirtieth day of September every year, beginning 1993."

From:

M/s JSW HYDRO ENERGY LIMITED
KARCHAM WANGTOO HYDROELECTRIC PLANT (1045 MW)
SHOLTU COLONY, PO: TAPRI, DISTT: KINNAUR (H.P.) PIN: 172104

To

Member Secretary,
Himachal Pradesh State Pollution Control Board
Him Parivesh, Phase-III, New Shimla,
Shimla-171009, HP.

ENVIRONMENT STATEMENT for the financial year ending the 31st March 2023

PART-A

(i)	Name and address of the owner/occupier of the industry operation or process.	M/s JSW HYDRO ENERGY LIMITED KARCHAM WANGTOO HYDROELECTRIC PLANT (1045 MW) SHOLTU COLONY, PO: TAPRI, DISTT: KINNAUR (H.P.) PIN: 172104
(ii)	Industry category- Primary- (STC Code) Secondary-(SIC Code)	
(iii)	Production capacity—Units per annum	4130.98 MU
(iv)	Year of establishment	2011
(v)	Date of the last Environmental Statement submitted	Submitted vide letter no. JSWHEL/KW/HPSPCB/BLG/22-12896 dated 27.09.2022.

PART-B

Water and Raw Material Consumption

(i) Water Consumption m³ per day

Process: **NIL**

Cooling: **NIL**

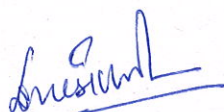
Domestic: **198.0 m³ per day**

Name of Products	Process water consumption per unit of product output	
	During the previous Financial year	During the current Financial year
	(1)	(2)
1. Electricity (Hydel)	Not applicable as use of water for hydropower generation is non-consumptive	
2.	--	
3.	--	

(ii) Raw material consumption

*Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous Financial year	During the current Financial year
WATER	ELECTRICITY (HYDEL)	Not applicable as use of water for hydropower generation is non-consumptive. Being a run of the river project there is no consumption of water for electricity generation.	

*Industry may use codes if disclosing detail of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.



PART-C

Pollution discharged to environment /unit of output

(Parameter as specified in the Consent issued)

Pollutants		Quantity of pollutants discharged (mass/day)		Concentration of pollutants in discharges (mass/volume)		Percentage of variation from prescribed standard with reasons			
Air: Stack identification No. 25399588									
S.N	Month	Location	SPM (mg/Nm3)	CO (mg/Nm3)	NOx (mg/Nm3)	SO2 (mg/Nm3)	Remarks		
1	Sep.-22	Wangtoo P/H	66.8	75.0	66.0	ND	Within Limit as per CPCB		
2	Dec- 22	Wangtoo P/H	67.5	80.0	69.0	ND	Within Limit as per CPCB		
3	Mar- 23	Wangtoo P/H	68.5	88.0	75.0	ND	Within Limit as per CPCB		
Air: Stack identification No. 25399589									
S.N	Month	Location	SPM (mg/Nm3)	CO (mg/Nm3)	NOx (mg/Nm3)	SO2 (mg/Nm3)	Remarks		
1	Sep.-22	Wangtoo P/H	68.5	76.0	65.0	ND	Within Limit as per CPCB		
2	Dec- 22	Wangtoo P/H	67.2	72.0	60.0	ND	Within Limit as per CPCB		
3	Mar- 23	Wangtoo P/H	68.8	78.0	65.0	ND	Within Limit as per CPCB		
Water: STP									
S.N	Month	Location	pH	TSS (mg/l)	TDS (mg/l)	BOD (mg/l)	COD (mg/l)	Oil & grease (mg/l)	Remarks
1	Sep- 22	Sholtu	7.24	25.0	651	22.0	72.0	6.0	Within Limit as per CPCB
2	Dec- 22	Sholtu	8.12	30.0	575	26.0	82.0	5.0	Within Limit as per CPCB
3	Mar- 23	Sholtu	7.26	38.0	425	27.0	125.0	7.0	Within Limit as per CPCB

PART-D

Hazardous Wastes

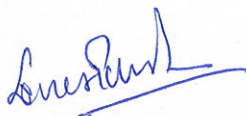
[As specified under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008]

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous Financial year	During the current Financial year
Used oil & lubricants drained From DG Sets, Vehicles and Machines	3419 Litres generated in FY 2022-23 948 Litres generated in FY 2021-22 Total quantity of used oil generated and stocked up to March 2023: 4367 Litres	2732 Litres generated in this financial year from April 2023 to August 2023 Quantity of used oil sent to authorized recycler for disposal: - 5040 Litres Total stock 2059 Litres (Till 31st August 2023)
Note: Used oil / lubricants have been sent to registered recycler for disposal.		

PART-E

Solid Wastes

	Total Quantity (Kg.)	
	During the previous Financial year	During the current Financial year
(a) From process	NIL	NIL
(b) From pollution control facilities	NIL	NIL
(c) 1 Quantity recycled or re-utilized within the unit	NIL	NIL
2 Sold	NIL	NIL
3 Disposed	NIL	NIL



PART-F

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

Used oil as hazardous waste is sent to Authorized recycler for disposal. No solid wastes are generated therefore, disposal mechanism is not required.

PART-G

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

Since Plant is in operation therefore, it does not cause adverse effect on the environment including natural resources.

PART-H

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

Plantation program is undertaken on regular basis. More than 3100 plantation done in 2022-2023 with the survival rate of more than 70%

PART-I

Any other particulars for improving the quality of the environment.

(Signature of a person carrying out an industry – operation or process)

Date: 18.09.2023



Name: Kaushik Maulik

Designation: AVP & Head of Plant

Address: M/s JSW HYDRO ENERGY LIMITED
Karcham Wangtoo Hydroelectric Plant (1045 MW)
Sholtu Colony, PO: Tapri, Distt: Kinnaur (H.P.) PIN: 17104

Seal/Stamp:

