



o/c

JSWHEL/KW/HPSPCB/BLG/22- 12896
27th September 2022

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,
Opp: Indira Market, Rampur Bushahr,
District Shimla (H.P.) -172001

Sub: Karcham Wangtoo H.E. Plant - Environment Statement for the year ending 31st March 2022.

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 2022** pertaining to **Karcham Wangtoo H. E. Plant (1045 MW)**.

Thanking you,

Yours faithfully,
For **JSW Hydro Energy Limited**

(Authorized Signatory) 27/9/22

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 and Handling) Rules, 1989 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 PROJECT (1045 MW)
SHOLTU COLONY, PO TAPRI, DISTRICT KINNAUR (H.P)- 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 2022

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 PROJECT (1045 MW) SHOLTU COLONY, PO TAPRI, DISTRICT KINNAUR (H.P)- 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/21-12449, dated 27.09.2021

[Handwritten Signature]

PART -B

Water and Raw Material Consumption

(i) Water Consumption m³ per day

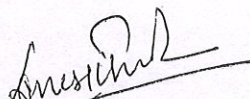
- (i) Process: **NIL**
(ii) Cooling: **NIL**
(iii) Domestic: **402.18 m³ per day**

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	Not applicable as use of water for hydropower generation is non- consumptive.	
(2)		
(3)		

(ii) Raw Material Consumption

*Name of raw material	Name of Products	Consumption of raw material per unit 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 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)

Pollutant	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standard with reasons
(a) Water	pH BOD COD TSS	7.90 3.40 36.0 23.4	Within Limits
(b) Air	SPM NOx CO SO2	63.7 183.0 117.0 ND	Within Limits

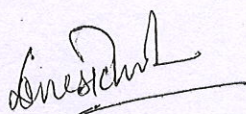
PART- D

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	5698 Litres stocked during the year 2021-22 4649 Litres generated in 2020-21 1049 Litres generated in 2021-22	2420 Litres generated in 2022-23 (from April 2022 to August 2022) (4620 Litres sent to registered recycler for disposal in 2021-22) Total stock = 3368 Litres (Till 31 st August 2022)
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 reutilized within the unit	NIL	
2: Solid	NIL	
3: Disposed	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/lubricants have been sent to registered recycler for disposal. (Quantity included in Part D)

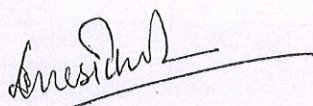
07 Nos. of used battery (140 kg.) was sent to M/s Capital motor stores (Wholesale & Retail Dealer & General Suppliers) S.C.O. No. 419, New motor market, Manimajra, Chandigarh on buy back offer.

Quantity of solid waste generated-NIL

PART-G

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

NIL



PART-H

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

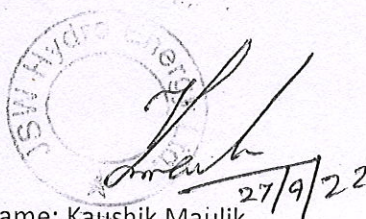
Plantation programme is undertaken on regular basis. 3742 plantation done during the year 2021-22 with survival rate of 80 percent.

PART-I

Any other particulars for improving the quality of the environment

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

Date: 27.09.2022



Name: Kaushik Maalik
Designation: AVP & Head of Plant

Address: M/s JSW HYDRO ENERGY LIMITED
Karcham Wangtoo Hydroelectric Project (1045 MW)
Sholtu Colony, PO Tapri, District Kinnaur (H.P)- 172104

Seal/Stamp: