ACB (INDIA) LIMITED

2x 135 MW Kasaipali Power Plant, Kasaipali, P.O - Jawali,
Tehsil - Katghora, Distt. - Korba (C.G.) 495445, Tel. 07815-285551(O)
Fax No.:- 07815-285887
Email : 270mw@acbindia.com

ACBIL/270MW/23-24/LTR/0165 Date- 22/05/2023

ए.सी.बी./ पर्यावरण/ खतरनाक अपशिष्ट प्रबंध/
दिनांक: 22.05.2023

प्रति,

क्षेत्रीय अधिकारी
छत्तीसगढ़ पर्यावरण संरक्षण मंडल
जिला-कोरबा (छ.ग.)

विषय: **Submission of Annual Inventory on Hazardous and Other Wastes Generation and its Management for the Year 2022-23- Regarding.**

सन्दर्भ: आपके कार्यालय का पत्र क्रमांक 207/क्षे.का./छ.ग.प.सं.मं./ 2023 कोरबा 10.05.2023.

महोदय,

उपरोक्त संदर्भित विषयांतर्गत लेख है की परिसंकटमय एवं अन्य अपशिष्ट (प्रबंध एवं सीमापार संचालन) नियम 2016 के तहत वर्ष 2022-23 हेतु **Annual Return (Form-4)** एवं **Annual Inventory Form** (A1, A2, A3, A4, A5, A6, A7-A, A7-B, A8, B, C, D-1, D-2, D3) निर्धारित प्रपत्र में तैयार कर आपके कार्यालय को प्रस्तुत किया जा रहा है।

आशा है उपरोक्त जानकारी आपके द्वारा चाही गयी वांछित जानकारी के अनुरूप होगी।

वास्ते, **ए.सी.बी. इण्डिया लिमिटेड**

22/05/2023

प्राधिकृत हस्ताक्षरकर्ता

REGIONAL OFFICE, C.G. ENVIRONMENT CONSERVATION BOARD
No. ....
Dt. 24/05/2023
KORBA (C.G.)

संलग्न: **1. Annual Return (Form-4).**
2. Annual Inventory Form.

FORM 4
[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period 1st April-2022 to 31st March-2023]

1.Name and address of facility:	ACB India Limited, 2X135 MW TPP, Vill- Kasaipali, Tehsil- Katghora , Dist- Korba, C.G.
2.Authorization No. and and Date of issue:	352/HO/HSMD/CECB/2022, Raipur Date: 12.10.2020
3.Name of the authorized person :- Mo. No./Telephone:- E-mail /fax number and:- full address:-	Shri Arbind Kumar Singh, Plant Head Mo- 07797485855 E-mail:arbind.singh@acbindia.com Vill.- Chakabura, Tehsil- Katghora, Dist- Korba, C.G
4. Production during the year (product wise), where ever applicable	NA

Part A. To be Filled by Hazardous Waste Generators

1. Total quantity of waste generated category wise:-

S.NO.	Hazardous Waste	Cat.No.	Quantity of waste generated
1	Used or Spent oils	5.1	0.84
2	Waste or residues Containing oil	5.2	Nil
3	Spend ion exchange resin containing toxic metals	34.2	Nil
4	Empty barrels/containers/liners/contained with hazardous chemicals /waste	33.1	Nil

2. Quantity dispatched

(i)To disposal facility:-

S.NO.	Hazardous Waste	Cat.No.	Quantity of waste generated
1	Used or Spent oils	5.1	Nil
2	Waste or residues Containing oil	5.2	Nil
3	Spend ion exchange resin containing toxic metals	35.2	Nil
4	Empty barrels/containers/liners/contained with hazardous chemicals /waste	33.1	Nil

(ii)To recycler or co-processors or pre-processor:-Nil

(iii) Others:-Nil

3. Quantity utilized in-house, if any:-Nil

4. Quantity in storage at the end of the Year:-

S.NO.	Hazardous Waste	Cat.No.	Quantity of waste generated
1	Used or Spent oils	5.1	1.350 KL
2	Waste or residues Containing oil	5.2	0.970 MT
3	Spend ion exchange resin containing toxic metals	35.2	0.335 MT
4	Empty barrels/containers/liners/contained with hazardous chemicals /waste	33.1	Nil

(P. Suryakiran)

ACB INDIA LIMITED

Part B. To be Filled by Treatment, Storage and Disposal Facility Operators

1. Total Quantity Received –NA
2. Quantity in Stock at the beginning of the Year –NA
3. Quantity treated – NA
4. Quantity Disposed in Landfills as such and after Treatment – NA
5. Quantity Incinerated (if applicable)-NA
6. Quantity Processed other than Specified above -NA
7. Quantity in Storage at the end of the Year –NA

Part C. To be Filled by Recyclers or Co-processors or other Users

1. Quantity of waste received during the year – NA
(i) Domestic sources
(ii) imported (if applicable)
2. Quantity in stock at the beginning of the year – NA
3. Quantity recycled or co-processed or used – NA
4. Quantity of products dispatched (where ever applicable) – NA
5. Quantity of waste generated – NA
6. Quantity of waste disposed –NA
7. Quantity re-exported (where ever applicable) – NA
8. Quantity in storage at the end of the year– NA

(P. Surya Kiran)

Authorized Signatory

ACB (INDIA) LIMITED

Date – 22.05.2023
Place- Kasaipali, Korba (C.G.)

recycling/ utilization/ disposal-

Annexure-1

Submission of Annual Inventory on Hazardous Waste and Other Management Year: 2022-23

Format-A 1:

Details on Hazardous Waste Generation

S. No.	Name of the District	Total Number of HW Generating Industry	Number of Units possessing authorization	Number of Units exempted from obtaining Authorization	Number of HW Units submitted annual returns	Authorized Quantity of Hazardous Waste (Metric Tonne)				Total Quantity (Metric Tonne)	*Quantity of Hazardous Waste generated as per Annual Return within the State/ UT (Metric Tonne)				Total Quantity (Metric Tonne)	Details on Import and Export of Hazardous Waste			
						Landfillable	Incinerable	Recyclable	Utilizable		Landfillable	Incinerable	Recyclable	Utilizable		Quantity of HW imported during the year (Metric Tonne)	Type of HW	Quantity of HW exported during the year (Metric Tonne)	Type of HW
					1	2	3	4	5		6	7	8	9		10	11	12	13
1	Korba	01	01	NA	2x135 MW TPP	NA	....	Used or spent oil- 3.0 KL/Year	NA	2.952	Nil	Nil	0.84	Nil	0.84	Nil	Nil	Nil	Nil
							Wastes or Residues containing 0.5/Year		NA	0.492	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
							Spent ion exchange resin metal-0.5/Year		NA	0.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
								Empty barrels/Containers contaminated with hazardous chemical/wastes 1.5 Ton/Year	NA	1.5	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total		01	01	-	-	-	1	4.5	-	5.444	Nil	Nil	Nil	Nil	0.84	-	-	-	-

* This shall also include hazardous waste generated during recycling/utilization of hazardous waste imported from other countries as well as received from other States/ UTs. However, it shall not include the quantity of hazardous waste imported and received from other states/UTs either for recycling/utilization or disposal.

Note: Other units such as Kilo Liters or Numbers shall be converted into Metric Tones and therefore, the quantity of hazardous waste shall be reported only in Metric Tonne.

NTPC INDIA LIMITED

Format-A 2:

Details on Inter-state Movement of Hazardous Waste for recycling/ utilization/ disposal-

S. No.	Hazardous Waste	Hazardous Waste received from other State/UT		Hazardous Waste sent to other State/UT	
		Name of State/UT from which waste received	Quantity received (MT)	Name of State/UT where waste sent	Quantity sent (MT)
		14	15	1 6	17
1.	For disposal at common secured landfill	NA	NA	NA	NA
2.	For disposal at common Incinerator	NA	NA	NA	NA
3.	For recycling by Schedule IV recyclers	NA	NA	NA	NA
4.	For utilization in co-processing (cement plants)	NA	NA	NA	NA
5.	For utilization under Rule 9 (other than co-processing)	NA	NA	NA	NA

(P. Surya Kiran)

ACB (INDIA) LIMITED

Format-A 3:

Details on Hazardous Waste Recycled and Utilized-

S.No.	Name of the District	Recycling/Utilization of hazardous waste (generated within the State/UT)							Recycling/Utilization of hazardous waste (received from other State/UT)		
		Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)		Quantity Utilized (MT)					Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)	Quantity Utilized (MT)	
				Co-processing in Cement plant		Non-captive utilization based on CPCBs SOPs		Captive utilization of hazardous and other wastes for which SOP has not been prepared by CPCB		Co-processing in Cement plant	Non-captive utilization based on CPCBs SOPs
		Generated within state	Imported	Generated within state	Imported	Generated within state	Imported				
		18	19	20	21	22	23	24	25	26	27
Not Applicable											
Total											

Format-A 4:

Details on Hazardous Waste Disposed-

S. No.	Name of the District	Disposal of hazardous waste (generated within the State/UT)				Disposal of hazardous waste (received from other State/UT)	
		Quantity Disposed in Secured Landfill (MT)		Quantity Disposed through Incinerator (MT)		Quantity Disposed in common (MT)	
		Common	Captive	Common	Captive	SLF	Incinerator
		28	29	30	31	32	33
Not Applicable							
Total							

(P. Surya Kiran)

ACB (INDIA) LIMITED

Format-A 5:

Details on Hazardous Waste Stored at Occupier Premises-

S.No.	Name of the District	Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 1st April 22 (MT)				Total Quantity of HW stored at Occupier premises at the end of financial year i.e. 31st March 2023 (MT)			
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
		34	35	36	37	38	39	40	41
1	Korba			0.51				1.350	
Total				0.51				1.350	

Format-A 6:

Details on management of Other Waste (Domestically generated and imported)-

S. No.	Name of the District	Number of units authorized for recycling/utilization of Other Waste (MT)		Authorized capacity (MT)		Quantity of other waste imported from other country (MT)	Quantity of other waste exported to other country (MT)	Quantity of other waste (Schedule III waste B and D) utilized/recycled during the year April-March (MT)		Other waste sent for disposal to Common TSDF (MT)	Quantity of HW generated during recycling/ utilization of other waste (MT)	Quantity of other waste stored at Occupiers premises (MT)	
		Other Waste Schedule III-Part B	Other Waste Schedule III-Part D	Other Waste Schedule III-Part B	Other Waste Schedule III-Part D			Imported	Domestically generated			at the beginning of the financial year	at the end of financial year
		42	43	44	45	46	47	48	49	50	51	52	53
Not Applicable													
Total													

(P. Satyakiran)

Format-A 7-A:

Details of Domestic Hazardous Wastes* Resulting from Enforcement of Other Regulation-

S. No.	Name of the District	Name and Address of deposition centers authorized for collection	Authorized capacity (MT)	Quantity of domestic HW received at deposition centres during the year April-March (MT)	Quantity of domestic HW sent to common TSDF during the year April-March (MT)	Quantity of hazardous waste stored at deposition centres (MT)	
						at the beginning of the financial year i.e. 1st April	at the end of financial year i.e. 31st March
		54	55	56	57	58	59
Not Applicable							
Total							

*Please refer section 3.1.4 of the guidelines for preparation of inventory on hazardous waste management

Format-A 7-B:

Details of Fluorescent and Other Mercury containing lamps* resulting from Enforcement of Other Regulation:-

S. No.	Name of the District	Name and Address of collection centers authorized for collection	Authorized capacity (MT)	Quantity of waste received at collection centers during the year April-March(MT)	Quantity of waste sent to common TSDF during the year April- March (MT)	Quantity of hazardous waste stored at collection centers (MT)	
						at Occupier premises at the beginning of the financial year i.e. 1st April	at Occupier premises at the end of financial year i.e. 31st March
		60	61	62	63	64	65
Not Applicable							
Total							

*Please refer section 3.1.4 of the guidelines for preparation of inventory on hazardous waste management

P. S.

Format-A 8:

Details of waste collectors-

S. No.	Name of the District	Name and Address of waste collectors	Authorized capacity (MT)	Quantity of waste received at collection centre's during the year April-March (MT)		Quantity of waste sent to common TSDF during financial		Quantity of waste stored at beginning of the year financial year i.e. 1st April (MT)		Quantity of waste stored at end of the year financial year i.e. 31st March (MT)	
				Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste
		66	67	68	69	70	71	72	73	74	75
Not Applicable											
Total											

(P. Suryakiran)

Format-B:

Annual Inventory on Recycling / Utilization/Pre-processing/Co-Processing of Hazardous and Other Waste-

Year: 2022-23

S. No	Type of Recycling Facilities	No of Facilities authorized for recycling/utilization / Pre-processing/ Co- processing of HW (MT)	Total Authorized Capacity (MTA)	Quantity Recycled/ Utilized/ Pre- processed/ Co- processed (MT) during the year
		76	77	78
A	**Commonly Recyclable HW**			
1	Brass Dross			
2	Zinc Bearing Wastes			
3	Copper Bearing Waste			
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt			
5	Lead bearing waste including battery waste			
6	E-Waste			
7	Paint and ink Sludge/ residues		0.984	
8	Used oil		0.492	
9	Waste Oil			
	Add row for recycling of hazardous waste (listed under schedule IV) apart from above and provide relevant details required under the respective columns			
	Total		1.476	
B	**Non-captive utilization based on CPCBs SOPs**			
1	Recovery of solvents from spent solvents			
2	Utilization of APCD Dust / Residue generated from LD Furnace/EAF/Blast Furnace for producing cold briquettes for use in Blast Furnace for production of Pig Iron.			
3	Utilization of Spent Catalyst - to recover - Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver			
4	Utilization of Spent H2SO4 generated form Pickling operations for manufacturing Ferrous Sulphate			
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns			
	Total			
C	**Captive utilization of hazardous and other wastes for which SOP has not been prepared by CPCB**			
1				
2				
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns			
	Total			
D	**Pre-processing of hazardous and other waste**			
1				
2				
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns			
	Total			
E	Co-processing in Cement Plants			
1				
2				
	Add row for utilization of hazardous and other wastes and provide relevant details required under the respective columns			
	Total			

Format-C:

List of Authorized Recyclers / Utilizers /Pre-processors/ Co-processors of Hazardous Waste-

Year: 2022-23

S. No	Name and Address of the Facility	Type of Hazardous Waste authorised for recycling	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)
	79	80	81	82
A	**List of Authorized Recyclers of hazardous waste**			
1				
2	Not Applicable			
	Total			
B	**List of Authorized Utilizers (under Rule 9) of hazardous and other wastes**			
1				
2	Not Applicable			
	Total			
C	**List of Authorized Utilizers (under captive utilization) of hazardous and other wastes**			
1				
2	Not Applicable			
	Total			
D	**List of Authorized Pre-processors of hazardous and other wastes**			
1				
2	Not Applicable			
	Total			
E	**List of Authorized Co-processors of hazardous and other wastes**			
1				
2	Not Applicable			
	Total			

(P. Surya Kiran)

ACB (INDIA) LIMITED

Format –D 1-A:

Details on disposal of Hazardous Waste in Common TSDF(s) **Year: 2022-23**

S. No	Name and Addres s of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Hazardous Waste Received (MT)		Quantity of Hazardous Waste Disposed (MT)		Quantity in Stock at the end of the year (MT)		Cumulative HW disposed by the end of financial year (MT)		Capacity		
		Landfillabl e	Incinerabl e	For landfil l	For Incineratio n	For landfil l	Quantity Incinerate d	Landfillabl e	Incinerabl e	SLF	Incinerato r	Incinerator (T/H)	Incinerator (Kcal)	Landfill (MT/A)
	83	84	85	86	87	88	89	90	91	92	93	94	95	96
		Not Applicable												

* Including wastes received from other State/UT

Format –D 1-B:

Details on disposal of Other Waste in Common TSDF(s) **Year: 2022-23**

S. No	Name and Address of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Other Waste Received (MT)		Quantity of Other Waste Disposed (MT)		Quantity in Stock at the end of the year (MT)		Cumulative other waste disposed by the end of financial year (MT)		Capacity	
		Landfillable	Incinerable	For landfill	For Incineration	Quantity Landfilled directly	Quantity Incinerated	Landfillable	Incinerable	SLF	Incinerator	Incinerator(T/H)	Landfill (MT/A)
	97	98	99	100	101	102	103	104	105	106	107	108	109
		Not Applicable											

* Including wastes received from other State/UT

(P. Surya Kiran)

ACB (INDIA) LIMITED

Format –D 2:

Details on Captive TSDF(s) **Year: 2022-23**

S. No.	Name and Address of Captive facility	Type of facility (landfillable/ Incinerable/both)	Capacity		HW disposed during the year (MT)		Cumulative HW disposed till the end of financial year (MT)	
			Incinerator (MT/H)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
	110	111	112	113	114	115	116	117
Not Applicable								
Total								

Format-D 3:

Details on Common TSDF(s) involved in disposal of Domestic Hazardous Waste and Fluorescent and Other Mercury containing lam

S. No	Name and Address of the TSDFs involved in disposal of domestic Hazardous waste and Fluorescent and other mercury containing lamps	Quantity of domestic HW received	Name and address of deposition center from where such waste received	Quantity of fluorescent and other mercury containing lampsreceived	Name and address of collection centre from where such waste received	Quantity of Hazardous Waste Disposed (MT)		Quantity of waste stored (MT)			
								Quantity of waste stored (MT)		Fluorescent and other mercury containing lamps	
						Domestic HW	Fluorescent and other mercury containing lamps	at Occupier premises at the beginning of the financial year	at Occupier premises at the end of financial year	at the beginning of the financial year	at the end of financial year
	118	119	120	121	122	123	124	125	126	127	128
	Not Applicable										
Total											

Date:

(P. Surya Kiran)

ACB (INDIA) LIMITED

Authorized Signature