JSW Energy Limited

Works:
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India.
CIN : L74999MH1994PLC077041
Phone : 08395 - 252 200
Website : www.jsw.in

JSW Energy Limited

Works :
P.B. No. 9, Toranagallu
Dist. Bellary - 583 123, Karnataka, India.
CIN : L74999MH1994PLC077041
Phone : 08395 - 252 124
Fax : 08395 - 250 757
Website : www.jsw.in

Ref. No.: JSWEL/ Auth./ ENV./ 8350
Date : 13.09.2025

To,

The Environmental Officer,

Regional office KSPCB,
Sy no.597P, Ward No.25,
4th Main, Near Dr. Vishnuvardhana Park,
Kuvempunagar
Ballari- 583 104.

Sub: Submission of Environmental Statement Form-V for 2 x 130 MW & 2 x 300 MW Thermal Power Plant.

Sir

Please find enclosed Environmental Statement, Form-V for the year of April 2024-March 2025 for 860 MW (2x130 MW & 2x300 MW) of JSW Energy Limited, Toranagallu.

Kindly acknowledge the same.

Thanking you.

Yours faithfully,

for JSW Energy Limited

Kartikeya Misra
Vice President & Head of Plant

Outlook

Fw: FORM V Environment Statement -JSW Energy Ltd. Toranagallu unit reg

From Srinivas Amjuri <srinivas.amjuri@jsw.in>
Date Tue 9/16/2025 4:12 PM
To Nageswara Rao Donga <nageswarad.rao@jsw.in>

2 attachments (4 MB)
FORM V ENV STATEMENT FY 2024-25.pdf; Env mntrg report August 2025.pdf;

Thanks & Regards,

Srinivas Amjuri | AGM - Env. & Chemistry | JSW Energy Ltd.
Toranagallu | Ballari District : 583123 | Karnataka | India
M +91 9449849776 | L :(08395) 242776.

`"Quality Is Not An Act, It`s a Habit"
JSW Energy . www.jsw.in

From: Srinivas Amjuri <srinivas.amjuri@jsw.in>
Sent: Tuesday, September 16, 2025 4:11 PM
To: Regional Officer - bellary Karnataka State Pollution Control Board <bellary@kspcb.gov.in>; 17 category Karnataka State Pollution Control Board <cat17@kspcb.gov.in>; Regional Office Bangalore <rosz.bng-mefcc@gov.in>
Cc: Kartikeya Misra <kartikeya.misra@jsw.in>; energy vijayanagar_chemist <energy.vijayanagar_chemist@jsw.in>
Subject: FORM V Environment Statement -JSW Energy Ltd. Toranagallu unit reg

Dear Sir,

Please find the attached following documents of JSW Energy Limited, P.B.No.9, Toranagallu, Sandur Taluka, Ballari District, Karnataka, India.

1. FORM V, Environment Statement for the FY 2024-25.
2. Monthly Environment monitoring report for the month of August.

Thanks & Regards,

Srinivas Amjuri
JSW Energy Ltd.
Toranagallu | Ballari District : 583123 | Karnataka | India

ENVIRONMENTAL STATEMENT FORM – V

(See rule 14)

Environment Audit report for the year ending the 31st March - 2025

PART – A

(i)	Name and address of the owner / occupier of the industry, operation or process :	**Mr. Kartikeya Misra** **Vice President & Head of Plant, Toranagallu** **JSW Energy Limited, Post Box No.9** **Toranagallu, Dist:Bellary, State: Karnataka** **Pin: 583 123.**
(ii)	Industry category Primary :	- **Red - 24**
(iii)	Production category - units :	- **Electricity Generation 2 x 130 MW & 2 x 300 MW**
(iv)	Year of Establishment :	- **2000 (2x130 MW), & 2009 (2x300 MW)**
(ii)	Date of the last Environment Audit Report submitted :	**23.09.2024**

PART - B

Water and Raw Material Consumption :

(i)	**Water consumption, Cum / day**	(Average)
	Process	**494**
	Cooling	**30,579**
	Domestic	**55**

Name of products :		Water Consumption per Unit of Products	
		During the Previous Financial Year	During the Current Financial Year
(1) Electricity Generation	Million Unit	**4,404.9**	**4,420.5**
(2) Water	(KL / KWthr)	**0.00233**	**0.00257**

(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 Yea
a	Coal MT		**0.000362**	**0.000346**
b	Corex KNm3		**0.000174**	**0.000286**
c	Water m3		**0.00233**	**0.002570**
d	Caustic Soda (48% to 49%) Kgs		**0.000049**	**0.000050**
e	Sulfuric Acid (98% to 99%) Kgs		**0.000255**	**0.000218**

Note : Month wise Raw material, Power generation and Water consumption is given in Annexure - I.

PART – D

Hazardous Wastes

[as specified under Hazardous Wastes (Management and Handling) rules, 1989]

Hazardous Wastes	Total Quantity (lts)	
	During the previous financial year	During the current financial year
(a)Used oil generated from every action relating to and every use of lubricating and system oil	**78,770**	**14,070**

Note : * Hazardous Waste Management Form 4 (annual report) enclosed as Annexure - IV

PART – E

Solid Wastes (Ash)

	Solid Wastes(Ash)	Total Quantity (kg)	
		during the previous financial year	during the current financial year
(a)	From process		
(b)	From pollution control Facility	**20,59,05,000**	**23,94,14,000**
(c)	Quantity recycled or re-utilized	**20,59,05,000**	**23,94,14,000**
(d)	RO Plant sludge generated quantity from pretreatment(utilised)	**5,50,000**	**5,63,907**

PART – F

Please specify the characteristics (in items of concentration and quantum) of Hazardous as well as solids wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous Wastes	Hazardous Waste Management Form 4 (annual report) enclosed as Annexure - IV
Solid Wastes	Ash generation and utilization annual report enclosed as Annexure - V

PART – G

Impact of pollution control measures on conservation of natural resources and consequently on the cost of production

1	620120 cum water was recycled from RO plant to 2x300 MW (SBU-2) Cooling tower as a makeup.
2	RO plant pretreatment sludge 564 MT quantity has reutlized in Steel plant micro pellet plant process.
3	Utilization of treated (ETP- RO plant permeate) water to DM plant as input source for reduction of process water effluents, and increase in DM plant efficiency.
4	SBU1 COH (APH over haul) for attending air leaks
5	SBU1 CW Pump servicing
6	SBU2 U2 Dynamic SH & RH Spary set point Logic implemention to vaoid avoid temparture excusions & optimize the Spray

PART – H

Additional investment proposal for environmental protection including abatement of pollution.

1	Installing VFD in SBU1 Both units CEP
2	Reduction of Power consumption of 220KV Switchyard Transformers Cooling fans by keeping them in 'Auto' Selection.
3	Installtion of RO plant UF membranes in one skid to improve the ETP plant performance
4	SBU2 U1 Seal air fan VFD inatllation to reduce the power consumption by elimating the regulating losses
5	SBU2 U2 CEP VFD Power Consumption reduction by 40 KWH by replacing Deaerator level control station bypass MIV to MOV
6	Booster Pump Installation for SBU1 Unit 1 PRDS System

FY 2024-2025 : 860 MW JSWEL POWER GENERATION & WATER CONSUMPTION DETAILS															Annexure- 1				
Month	Power			Raw materials		Water Consumption				Waste Water Generation									
	SBU1	SBU2	Total	Coal in MT	Corex in KNM3	Total	Process	Cooling	Domestic	Total	Process Blow down, recycled in RO plant	DM Waste, reused for ash conditioning	STP water, generated & Utilized for gardening	Sulfuric acid	Caustic Soda Lye (as 100%)	Pretreatment Sludge, Reused in micor pellet plant	RO Product, re used back to SBU-2 units (2x300mw)	RO Reject, reused in ore beneficatio n plant	
UOM	MU	MU	MU	MT	KNM3	Cum	Cum	Cum	Cum	Cum	Cum	Cum	Cum	MT	MT	MT	Cum	Cum	
Apr-24	115.8	167.1	282.9	100047	94440	809357	11785	796070	1502	122747	119425	2154	1168	76	10	61.5	89689	29736	
May-24	89.3	171.5	260.8	90806	92411	670355	11629	657327	1399	64652	62156	1404	1092	65	4	53.5	48647	13509	
Jun-24	86.9	178.4	265.3	96876	64952	657780	4587	652062	1131	64674	62665	1134	874	68	2	42.9	49867	12798	
Jul-24	93.1	198.7	291.8	103158	68907	753975	11652	740705	1618	77322	71986	4074	1262	66	11	59.6	58442	13544	
Aug-24	109.7	237.8	347.5	126553	74796	899157	16158	880493	2506	80677	73139	5590	1948	64	10	50.2	59796	13343	
Sep-24	155.1	258.3	413.4	149155	82835	1014005	15329	996771	1905	47852	39273	7101	1478	67	7	29.3	30756	8517	
Oct-24	154.6	267.9	422.4	157735	72442	1038608	15360	1021509	1739	60739	52888	6461	1389	69	7	35.6	40855	12033	
Nov-24	95.7	228.8	324.5	131324	54371	877854	17161	858757	1936	60369	50268	8559	1543	93	7	36.1	38838	11430	
Dec-24	174.9	205.8	380.7	126833	81844	939816	18540	919455	1821	57234	46286	9587	1362	63	9	24.4	35769	10517	
Jan-25	177.4	213.9	391.3	130299	123001	999650	17675	980396	1579	89683	78823	9600	1259	73	14	61.0	58481	20342	
Feb-25	162.7	320.6	483.3	154492	194680	1242006	17933	1222623	1450	87631	78360	8112	1159	127	11	58.7	58278	20082	
Mar-25	180.0	376.4	556.4	163429	260056	1459001	22360	1434992	1649	80975	68130	11532	1314	131	13	51.0	50704	17426	
TOTAL	1595.4	2825.0	4420.5	1530705	1264735	11361564	180170	11161159	20235	894554	803399	75308	15847	962	105	563.9	620120	183279	
Per DAY						31128	494	30579	55	2451	2201	206	43				1699	502	

TRADE EFFLUENT ANAYSIS REPORT FOR THE FY : 2024-25

Annexure- II

Month/Parameters	UOM	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	AVG
Color&Odor	Un Objectionable													
Particle size of suspended solids (shall pass 850 micron ISI sieve)		Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed
pH		7.6	6.9	7.0	8.2	7.2	7.9	7.1	7.41	6.6	6.59	6.59	6.69	7.1
Temperature Diff.	degC	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Total Suspended solids	mg/lit	22.0	6.0	6.0	3.0	1.0	1.0	3.0	1.0	2.0	4.0	5.0	1.0	4.6
Oil & Grease	mg/lit	<1.0	3	<1.0	<1.0	<1.0	<1.0	4	1	1	2	6	1	2.0
Residual Chlorine,	mg/lit	BDL	<0.1	<0.1	<0.01	<0.1	<1.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Coppper(Total)	mg/lit	0.04	<0.01	0.10	<0.01	<0.01	0.01	0.03	0.08	0.05	0.07	0.03	0.05	0.05
Iron(Total)	mg/lit	0.90	0.59	0.90	0.30	<0.03	0.03	0.50	0.80	0.09	0.09	0.08	0.09	0.4
Zinc	mg/lit	0.11	<0.01	0.11	<0.01	<0.01	0.03	0.01	0.07	0.05	0.04	0.01	0.05	0.05
Dissolved phosphates(as PO4)	mg/lit	0.30	1.40	0.40	<1.0	0.13	<1.0	2.10	2.00	1.60	3.20	3.60	1.80	1.653
Chromimum (Total)	mg/lit	0.03	0.02	0.02	<0.01	<0.01	<0.01	0.02	0.03	0.01	0.01	0.02	0.06	0.02

ANNEXURE - III

FY 2024-25 : 2*130MW : STACK EMMISSIONS REPORT

Month	STACK - 1			STACK - 2			Flue Gas Flow in Nm3/hr	
	Running Hrs	PM (mg/Nm3)	MT	Running Hrs	PM (mg/Nm3)	MT	Unit-1	Unit-2
Apr-24	427	63	10.6	593	40	10.8	395016	455914
May-24	744	68	23.0	0		0.0	452136	
Jun-24	720	48	15.7	0		0.0	450862	
Jul-24	336	48	7.3	434	46	9.0	453692	448408
Aug-24	212	59	4.8	744	46	15.2	385165	445785
Sep-24	720	63	17.1	720	46	14.1	379706	424212
Oct-24	744	72.0	22.3	588	44.0	11.4	417183	440280
Nov-24	681	55.0	16.5	127	43.0	2.3	440334	424347
Dec-24	744	69.0	23.1	744	46.0	14.8	450084	433347
Jan-25	744	68.0	22.4	**744**	**50**	15.9	443059	426624
Feb-25	672	49.0	14.7	672	49.0	14.3	446240	435632
Mar-25	744	54.0	18.0	744	58.0	18.9	447575	436998
TOTAL	**7488**	**60**	**196**	**6109**	**47**	**127**		
PER DAY			**0.53**			**0.35**		
TOTAL-260 MW	**MT**		**322**					

FY 2024-25 : 2*130MW : STACK EMMISSIONS REPORT

Month	STACK - 1			STACK - 2			Flue Gas Flow in Nm3/hr	
	Running Hrs	SO2 (mg/Nm3)	MT	Running Hrs	SO2 (mg/Nm3)	MT	Unit-1	Unit-2
Apr-24	427	305	51.3	593	349.5	94.5	395016	455914
May-24	744	375	126.0	0		0.0	452136	
Jun-24	720	382	124.1	0		0.0	450862	
Jul-24	336	380	57.9	434	374.7	72.8	453692	448408
Aug-24	212	352	28.7	744	367.2	121.8	385165	445785
Sep-24	720	365	99.8	720	305.2	93.2	379706	424212
Oct-24	744	377.0	117.0	588	305.0	78.9	417183	440280
Nov-24	681	419.0	125.7	127	304.0	16.4	440334	424347
Dec-24	744	447.0	149.7	744	306.0	98.7	450084	433347
Jan-25	744	452.0	149.0	**744**	**305**	96.8	443059	426624
Feb-25	672	441.0	132.2	672	305.0	89.3	446240	435632
Mar-25	744	454.0	151.2	744	420.0	136.6	447575	436998
Total	**7488**	**396**	**1313**	**6109**	**334**	**899**		
PER DAY			**3.6**			**2.5**		
TOTAL-260 MW	**MT**		**2212**					

FY 2024-25 : 2*130MW : STACK EMMISSIONS REPORT

Month	STACK - 1			STACK - 2			Flue Gas Flow in Nm3/hr	
	Running Hrs	NOx (mg/Nm3)	MT	Running Hrs	NOx (mg/Nm3)	MT	Unit-1	Unit-2
Apr-24	427	392	66.1	593	360	97.2	395016	455914
May-24	744	362	121.7	0		0.0	452136	
Jun-24	720	363	117.7	0		0.0	450862	
Jul-24	336	374	57.0	434	382	74.3	453692	448408
Aug-24	212	361	29.5	744	415	137.5	385165	445785
Sep-24	720	396	108.4	720	365	111.6	379706	424212
Oct-24	744	375	116.4	588	365	94.5	417183	440280
Nov-24	681	396	118.8	127	364	19.6	440334	424347
Dec-24	744	408	136.6	744	365	117.7	450084	433347
Jan-25	744	415	136.8	**744**	**365**	115.9	443059	426624
Feb-25	672	414	124.1	672	365	106.9	446240	435632
Mar-25	744	421	140.2	744	400	130.1	447575	436998
TOTAL	**7488**	**390**	**1273**	**6109**	**375**	**1005**		
PER DAY			**3.5**			**2.7**		
TOTAL-260 MW	**MT**		**2278**					

FY 2024-25 : 2*300MW : STACK EMMISSIONS REPORT

Month	STACK - 1			STACK - 2			Flue Gas Flow in Nm3/hr	
	Running Hrs	PM (mg/Nm3)	MT	Running Hrs	PM (mg/Nm3)	MT	Unit-1	Unit-2
Apr-24	393	51.5	15.9	504	53.9	18.6	783540	687003
May-24	744	52.5	30.4	77	49.5	0.4	779258	107033
Jun-24	720	49.7	28.7	109	51.2	4.6	803088	818598
Jul-24	744	47.8	26.2	276	48.4	10.1	737642	753621
Aug-24	558	47.5	18.7	744	49.6	26.3	705343	712548
Sep-24	720	44.9	23.6	648	50.2	23.2	728230	714442
Oct-24	744	44.0	23.1	740	50.0	25.5	705357	689203
Nov-24	714	47.0	21.7	717	51.0	22.7	646908	619659
Dec-24	739	38.0	22.2	203	41.0	7.0	790769	836898
Jan-25	744	40.0	21.6	**423**	41.0	11.7	725922	672713
Feb-25	672	40.0	23.6	672	42.0	25.2	877848	891377
Mar-25	744	40.0	27.3	744	38.0	26.4	916122	934907
TOTAL	**8236**	**45**	**283**	**5857**	**47**	**202**		
PER DAY			**0.8**			**0.6**		
TOTAL-600 MW	**MT**		**485**					

FY 2024-25 : 2*300MW : STACK EMMISSIONS REPORT

Month	STACK - 1			STACK - 2			Flue Gas Flow in Nm3/hr	
	Running Hrs	SO2 (mg/Nm3)	MT	Running Hrs	SO2 (mg/Nm3)	MT	Unit-1	Unit-2
Apr-24	393	443	136.4	504	381	131.6	783540	687003
May-24	744	434	251.7	77	459	3.8	779258	107033
Jun-24	720	470	271.5	109	474	42.2	803088	818598
Jul-24	744	477	261.7	276	466	96.7	737642	753621
Aug-24	558	464	182.4	744	479	253.9	705343	712548
Sep-24	720	464	243.4	648	470	217.6	728230	714442
Oct-24	744	458	240.4	740	453	231.0	705357	689203
Nov-24	714	466	215.2	717	458	203.6	646908	619659
Dec-24	739	468	273.6	203	459	78.0	790769	836898
Jan-25	744	475	256.5	**423**	446	126.9	725922	672713
Feb-25	672	462	272.5	672	454	271.9	877848	891377
Mar-25	744	405	276.0	744	413	287.3	916122	934907
TOTAL	**8236**	**457**	**2881**	**5857**	**451**	**1944**		
PER DAY			**7.9**			**5.3**		
TOTAL-600 MW	**MT**		**4826**					

FY 2024-25 : 2*300MW : STACK EMMISSIONS REPORT

Month	STACK - 1			STACK - 2			Flue Gas Flow in Nm3/hr	
	Running Hrs	NOx (mg/Nm3)	MT	Running Hrs	NOx (mg/Nm3)	MT	Unit-1	Unit-2
Apr-24	393	357	109.9	504	336	116.4	783540	687003
May-24	744	376	218.0	77	413	3.4	779258	107033
Jun-24	720	408	235.9	109	403	35.8	803088	818598
Jul-24	744	405	222.2	276	408	84.8	737642	753621
Aug-24	558	412	162.1	744	417	220.8	705343	712548
Sep-24	720	411	215.6	648	417	193.1	728230	714442
Oct-24	744	407	213.6	740	416	212.1	705357	689203
Nov-24	714	400	184.7	717	400	177.8	646908	619659
Dec-24	739	389	227.4	203	393	66.8	790769	836898
Jan-25	744	385	207.9	**423**	392	111.6	725922	672713
Feb-25	672	386	227.7	672	392	234.8	877848	891377
Mar-25	744	397	270.6	744	380	264.3	916122	934907
TOTAL	**8236**	**394**	**2496**	**5857**	**397**	**1722**		
PER DAY			**6.8**			**4.7**		
TOTAL-600 MW	**MT**		**4217**					

Month	860 MW											
	USED OIL (Litres)			Oil Soaked Cotton Waste (kgs)			Used Oil Filiters (Nos)			Empty Oil barrels(Nos)		
	Generation	Disposal	Balance	Generation	Disposal	Balance	Generation	Disposal	Balance	Generation	Disposal	Balance
Apr-24	3200	0	3200	0	0	0	0	0	0	15	0	15
May-24	70	0	3270	0	0	0	0	0	0	1	0	16
Jun-24	0	0	3270	0	0	0	0	0	0	0	0	16
Jul-24	930	3270	930	0	0	0	0	0	0	5	16	5
Aug-24	400	930	400	0	0	0	0	0	0	2	5	2
Sep-24	2540	2940	0	0	0	0	0	0	0	12	14	0
Oct-24	2730	0	2730	0	0	0	0	0	0	13	0	13
Nov-24	2640	0	5370	0	0	0	0	0	0	13	0	26
Dec-24	0	0	5370	0	0	0	0	0	0	0	0	26
Jan-25	1040	5250	1160	270	0	270	18	0	18	5	25	6
Feb-25	520	1680	0	0	0	270	0	0	18	2	8	0
Mar-25	0	0	0	60	0	330	5	0	23	0	0	0
Total	14070	14070	0	330	0	330	23	0	23	68	68	0

Annexure I

JSW Energy Limited

Works :
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India
CIN. : L74999MH1994PLC077041
Phone : 08395 - 282 200
Website : www.jsw.in

Ref. No.: JSWEL / HWM / 8265
Date : 28.04.2025.

To

The Environmental Officer,
Regional office KSPCB,
Sy no.597P, Ward No.25,
4th Main, Near Dr. Vishnuvardhana Park,
Kuvempunagar
Ballari- 583 104.

Sub: Hazardous waste Management Annual Returns for FY 2024-25

Dear Sir,

Please find enclosed herewith annual returns of Hazardous Waste in prescribed format (Form-4) for the period of April 2024 to March 2025, along with copy of Hazardous waste disposal Manifest (Form10).

Yours faithfully,

for **JSW Energy Limited**

Kartikeya Misra
Vice President & Head of Plant

Copy to :
KSPCB, Bengaluru.

FORM 4

[see rules 6(5),13(8),16(6) and 20(2)]

FORM FOR FILLING ANNUAL RETURNS

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

1. Name and address of facility : JSW Energy Limited (860 MW TPP), P.O.Box.No.9, Toranagallu, Sandur Taluk, Bellary Dist., Karnataka-583123.

2. Authorization No. and Date of issue : Authorization no. 330836 dated 11.04.2022, valid up to 30.06.2026.

3. Name of the authorized person and full address with telephone, fax number and e-mail : Mr. Kartikeya Misra
Vice President & Head of Plant,
JSW Energy Limited-860 MW
P.O. Box NO.9, Toranagallu,
Bellary Dist, Karnataka-583123
Phone no: 08395-250767,
Fax no : 08395-250757.
E-Mail : kartikeya.misra@jsw.in

4. Production during the year (product wise), wherever applicable : **April 2024 to March 2025.**

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise:

Cat. No.	Type of hazardous as per Authorization	Quantity (in KL or MT)	
		Authorized	Generated
5.1	Used Spent Oil	102 KL / A	14.07 KL / A (13.353 MT/A)
5.2	Wastes Residues Containing Oil	3.50 MT/ A	0.353 MT/A
5.3	Empty Barrels contaminated with hazardous chemicals/wastes	6.5 MT/ A	1.02MT/A

Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year - **Not Applicable**
   (i) domestic sources
   (ii) imported (if applicable)
2. Quantity in stock at the beginning of the year -
3. Quantity recycled or co-processed or used –
4. Quantity of products dispatched (wherever applicable) –
5. Quantity of waste generated –
6. Quantity of waste disposed –
7. Quantity re-exported (wherever applicable)-
8. Quantity in storage at the end of the year –

Date : 28.04.2025

Place: Toranagallu.

Signature of the Occupier

FORM 10

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's Name & Mailing Address (including Phone No. & E-mail)	**M/s. JSW Energy Ltd.,** **Post Box No. 09, Toranagallu** **Ballari - 583123** **Ph No. 08395 282708** **E-mail : pradeep.manoor@jsw.in**
2.	Sender's Authorisation No.	33086
3.	Manifest Document No.	10365 - 026
4.	Transporter's Name & Address (including Phone No. & E-mail)	M/S HARYANA PETRO Oils. Plot No.31, Phase III rd, Industrial Area, Sirsa - 125055, HARYANA
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)
6.	Transporter's Registration No.	RJ09GC 8339.
7.	Vehicle Registration No.	RJ09GC 8339
8.	Receiver's Name & Mailing Address (including Phone No. & E-mail)	M/S Haryana Petro Oils. Plot No.31, Phase III rd, Industrial Area, Sirsa - 125055, Haryana
9.	Receiver's Authorisation No.	HWM/SIR/2023/491/95794
10.	Waste Description	Waste oil
11.	Total Quantity No. of Containers	0.93 KL (0.893 MT) m^3 or MT 5 Nos
12.	Physical form	(Solid / Semi- Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special Handling Instructions & Additional Information	Use Proper PPE & Gum boots.
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised packed, marked, and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations.
	Name & Stamp: JSW ENERGY STORE TORANAGALLU	Signature : MONTH: 0 8 DAY: 2 3 YEAR: 2 0 2 4
15.	Transporter Acknowledgement of Receipt of Wastes	
	Name & Stamp: HARYANA PETRO OIL	Signature : MONTH: 0 8 DAY: 2 3 YEAR: 2 0 2 4
16.	Receiver's Certification of Receipt of Hazardous and other Waste	Authorised Sign.
	Name & Stamp: HARYANA PETRO OIL	Signature : MONTH: 0 8 DAY: 2 8 YEAR: 2 0 2 4

1. White	To be Forwarded by the sender to the State Pollution Control Board after signing all the seven copies.
2. Light Yellow	To be retained by the sender after taking signature on each of the transporter and the rest of the five signed copies to be carried by the transporter.
3. Pink	To be retained by the receiver (Actual user or treatment Storage & disposal facility operator) after receiving the waste & the remaining four copies are to be duly signed by the receiver.
4. Orrange	To be handed over to the transporter by the receiver after accepting waste.
5. Green	To be sent by the receiver to the State Pollution Control Board
6. Blue	To be sent by the receiver the sender.
7. Gray	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

FORM 10

[See rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's Name & Mailing Address (including Phone No. & E-mail)	**M/s. JSW Energy Ltd., Post Box No. 09, Toranagallu Ballari - 583123 Ph No. 08395 282708 E-mail : pradeep.manoor@jsw.in**
2.	Sender's Authorisation No.	330836
3.	Manifest Document No.	**10365 - 023**
4.	Transporter's Name & Address (including Phone No. & E-mail)	M/s Haryana Petro oils, Plot No 31, phase III rd, Industrial Area, SIRSA-125055. Haryana
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)
6.	Transporter's Registration No.	
7.	Vehicle Registration No.	RJ 69 GC 4012
8.	Receiver's Name & Mailing Address (including Phone No. & E-mail)	M/S Haryana Petrol oils, Plot No 31, Phase III rd, Industrial Area, SIRSA-125055, Haryana
9.	Receiver's Authorisation No.	HWM/SIR/2023/49195794
10.	Waste Description	Used oil
11.	Total Quantity No. of Containers	[illegible] Ltrs/m³ or MT 25 Barrels Nos
12.	Physical form	(Solid / Semi- Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special Handling Instruction & Additional Information	Use PPE & avoid spillage
14.	Sender's Certificate Name & Stamp Signature :	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised packed, marked, and labeled, and are in all respects in proper condition for transport by road according to applicable national government regulations. MONTH 01 DAY 22 YEAR 2025
15.	Transporter Acknowledgement of Receipt of Wastes Name & Stamp HARYANA PETRO OIL Signature :	MONTH 01 DAY 22 YEAR 2025
16.	Receiver's Certification of Receipt of Hazardous and other Waste Name & Stamp HARYANA PETRO OIL Signature :	MONTH 01 DAY 27 YEAR 2025

1. White — To be Forwarded with the sender to the State Pollution Control Board after signing all the seven copies.
2. Light Yellow — To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the transporter.
3. Pink — To be retained by the receiver (Actual user or treatment storage & disposal facility operator) after receiving the waste & the remaining four copies are to be duly signed by the receiver.
4. Orrange — To be handed over to the transporter by the receiver after accepting waste.
5. Green — To be sent by the receiver to the State Pollution Control Board
6. Blue — To be sent by the receiver the sender.
7. Gray — To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

ACWA

JSW Energy Limited

Works :
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India.
CIN. : L74999MH1994PLC077041
Phone : 08395 - 282 200
Website : www.jsw.in

Ref. No. JSWEL/ Ash/ Auth/826
Date.: 28.04.2025

To
The Addl. Principal Chief Conservator of Forests (C),
Ministry of Environment, Forests and Climate Change,
Regional Office (South Zone),
Bangaluru.

Sub: Ash Notification S.O. 5481(E), 31st December 2021 Statutory Compliance Report of **2 x 130MW & 2 x 300 MW JSW Energy limited** for the period 01.04.2024 to 31.03.2025.

Dear Sir,

This has reference to the subject cited under reference above, we hereby submitting the compliance reports of ash generation and utilization for the period April 2024 to March 2025 in the prescribed format.

Kindly acknowledge the receipt of the same.

Thanking you.

Yours faithfully,
for **JSW Energy Limited**

Kartikeya Misra
Vice President & Head of Plant

Copy to:

KSPCB, Divisional office, Ballari
CPCB, Bangaluru
CPCB, New Delhi.
Director, MoE&FCC, New Delhi
KSPCB, Bengaluru.

Ash Compliance report for the period 01.04.2024 to 31.03.2025

Please attach necessary documents regarding the utilization and status of the Ash ponds of legacy ash

Sl.No	Details	FY : 2024-25		
1	Name of Power Plant	JSW Energy Ltd, Toranagallu		
2	Name of the company	JSW Energy Ltd		
3	District	Bellary		
4	State	Karnataka		
5	Postal address for communication:	Post Box No. 9, JSW Energy Ltd.		
6	E-mail:	kartikeya.misra@jsw.in		
7	Power Plant installed capacity (MW):	860 (2x130 MW & 2x300 MW)		
8	Plant Load Factor (PLF):	58.68%		
9	No. of units generated (MWh):	4420468 MWthr		
10	Total area under power plant (ha):	95.78 Ha		
	(including area under ash ponds)			
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	1530742 MT		
12	Average ash content in percentage (per cent):	15.6%		
13	Quantity of current ash generation during reporting period	239414		
	(Metric Tons per Annum):			
	Fly ash (Metric Tons per Annum):	224167		
	Bottom ash (Metric Tons per Annum):	15247		
14	Capacity of dry fly storage silo(s) (Metric Tons):	1710		
15	Details of utilisation of current ash generated during reporting period	FY 2024-25		
a	Total quantity of current ash utilised (MTPA) during reporting period:	239414		
b	Quantity of fly ash utilised (MTPA):	224167		
	I. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels	21653		
	II. Cement manufacturing	149480		
	III. Ready mix concrete:	0		
	IV. Ash and Geo-polymer based construction material:	0		
	V. Manufacturing of sintered or cold bonded ash aggregate:	0		
	VI. Construction of roads, road and fly over embankment:	32349		
	VII. Construction of dams:	0		
	VIII. Filling up of low lying area:	0		
	IX. Filling of mine voids:	0		
	X. Use in overburden dumps:	0		
	XI. Agriculture:	0		
	XII. Construction of shoreline protection structures in coastal districts;	0		
	XIII. Export of ash to other countries:	0		
	XIV. Others (please specify): MT	20686	(Recirculated in boiler)	
c.	Quantity of bottom ash utilised (MTPA):	15247		
	I. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	0		
	II. Cement manufacturing	0		
	III. Ready mix concrete:	0		
	IV. Ash and Geo-polymer based construction material:	0		

	k. Type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	HDPE lining		
	l. Mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	Dry disposal		
	m. Ratio of ash: water in slurry mix (1:___):	Not applicable		
	n. Ash water recycling system (AWRS) installed and functioning: Yes or No	Not Applicable		
	o. Quantity of wastewater from ash pond discharged into land or water body (m3)	Not applicable		
	p. Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	(p) The ash pond is designed in 2011. The ash dyke stability study was conducted by CPCB authorised auditor for FY 2024-25, and report is attached as Annexure-1.		
	q. Last date when the audit was conducted and name of the organisation who conducted the audit:	Last audit was conducted on 17.09.2024 by CPCB authorized auditor from IIT(ISM), Dhanbad		
19	Quantity of legacy ash utilised (MT):in the reporting period	0		
	I. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	0		
	II. Cement manufacturing	0		
	III. Ready mix concrete:	0		
	IV. Ash and Geo-polymer based construction material:	0		
	V. Manufacturing of sintered or cold bonded ash aggregate:	0		
	VI. Construction of roads, road and flyover embankment:	0		
	VII. Construction of dams:	0		
	VIII. Filling up of low lying area:	0		
	IX. Filling of mine voids:	0		
	X. Use in overburden dumps:	0		
	XI. Agriculture:	0		
	XII. Construction of shoreline protection structures in coastal districts:	0		
	XIII. Export of ash to other countries:	0		
	XIV. Others (please specify):	0		
20	Summary			
	Details	Quantity generated (MTP)	Quantity utilised (MT) and (%)	Balance quantity (MTP)
	Current ash during reporting period	239414	239414 (100%)	0
	Legacy ash	0	0	0
	Total	239414	239414 (100%)	0
21	Any other information: Soft copy of the annual compliance report, and share files of power plant and ash ponds may be e-mailed to:- moefcc- coalash@gov.in	Soft copy of the annual complaince report for FY 2023-24 was submitted on 26.04.2024 through e-mail.		
22	Signature of Authorised Signatory			

Annexure-I

ANNUAL CERTIFICATION OF ASH PONDS AND DYKES AND ANNUAL COMPLIANCE AUDIT OF ASH GENERATION, UTILIZATION & DISPOSAL

1. General

Ash Notification 31.12.2021 (as amended by amendment notification 30.12.2022) mandates power plants to ensure **Annual Certification of the operational as well as stabilized and reclaimed ash pond and dyke** on its safety, environmental pollution, available volume, mode of disposal, water consumption or conservation in disposal, ash water recycling and green belt etc., according to the specification and procedures laid down by Central Pollution Control Board (CPCB) in consultation with Central Electricity Authority (CEA), and submit annual implementation report about the compliance of provisions in the notification by the 30th day of April, every year to CPCB and concerned State Pollution Control Board (SPCB) or Pollution Control Committee (PCC), CEA, and concerned Integrated Regional Office of Ministry of Environment, Forest and Climate Change by the coal or lignite based thermal power plants.

Ash Notification 31.12.2021 also mandates that **Annual Compliance Audit of Ash Utilization and Disposal** by power plants as well as user agencies shall be conducted by auditors, authorized by CPCB and audit report shall be submitted to CPCB and concerned SPCB or PCC by 30th November every year. CPCB and concerned SPCB or PCC shall initiate action against non-compliant thermal power plants within fifteen days of receipt of audit report.

1.1 Annual Certification of ash pond and dykes

Design and construction specifications and operation and maintenance procedures for ash ponds and dykes have been described in previous chapters. Annual certification of ash ponds and dykes shall be carried out by a qualified professional engineer for structural stability and safety assessment and to ensure that the construction, operation, and maintenance of the ash pond and ash dykes is consistent with recognized and generally accepted good engineering standards.

1. Annual certification shall be carried out once in every year and annual implementation report about the compliance of provisions in the notification shall be submitted by the 30th day of April, every year
2. TPP shall make available any kind of record/Data etc. required at the time of certification.
3. Certifying Expert shall examine the Compulsory Periodic Maintenance Inspection Checklist for the Ash Pond provided by TPP
4. Certifying Expert shall submit the report which shall cover the following: -

1.2 **Check List for Annual Certification of Ash Ponds and Dykes (for the period 1st April – 31st March) to be submitted on or before 30th April**

Sr. No.	Component	Observation/Remarks
1.	Name of Power Plant	JSW Energy Limited, Post Box No.9, Toranagallu, Sanduru taluka.
2.	Name of the company	JSW Energy Limited
3.	District	Ballari
4.	State	Karnataka
5.	Postal address for communication:	583123
6.	E-mail:	kartikeya.misra@jsw.in
7.	Power Plant installed capacity (MW):	860MW
8.	No. of units generated (MWh):	4404914 MWh.
9.	Total area under power plant (ha): (including area under ash ponds)	95.78 Ha
10.	Method of slurry discharge water consumption or conservation in disposal, ash water recycling	Dry disposal
11.	TSS of decant Water (Going outside/for recirculation)	Not applicable
12.	Maintenance of Dyke. 1. Top Width 2. Top level of dyke 3. Adequate Spillway Capacity 4. Free board 5. Available volume 6. Earth covering and turfing 7. U/S slope protection 8. WBM Road 9. Rock Toe, toe drain, berm, rock, pitching 10. Dyke compaction 11. D/S erosion control	1. Top width : 4.0 meter 2. Top level of dyke : Top level of Dyke (RL) on four sides Side (A) - RL473.70 mts, Side (B) - RL475. 14 mts, Side (C) - RL 472.01 mts Side (D) - RL 475.24 mts. 3. Spill way is not applicable as there is no excess water to be removed. 4. Free board: 1 meter 5. Available volume: 2,00,400 cum (Approx) 6. Earth cover with boulder packing on the downstream. 7. High-Density Polyethylene (HDPE) with boulder packing on the upstream slope. 8. Cement Concrete (CC) road provided at 3 sides and another side Water Bound Macadam (WBM) road 9. Rock toe has been provided on the downstream at certain section. Other sections it`s not provided as embankment`s top level of the dyke is same with that of natural ground/other facilities. Earth cover on stone pitching on the U/S slope over HDPE. 10.Static compaction and kneading compaction has been done. But no written document available. 11. Rock toe has been provided on the downstream at certain section. Other

		surface of either on CC embankment or on the WBM embankment.
25.	Condition of Drainage Systems	Not applicable
26.	Condition of Slope Protection	HDPE was found to be in good condition without any crack or puncture. At certain points there is growth of trees on the earth cover over HDPE. So, the roots of the tree might have penetrated through the HDPE. However, as these points are above the water level of the lagoon. So there is least chance of water percolation through these punctures. The trees on the downstream side helped in the stability of dyke.
27.	Environmental Pollution	It was observed during inspection that there is peripheral pipe network with sprinkler system for the dust control. However as there is no filling of ash since 8 to 10 years. Due to provision of HDPE in the ash pond the percolation of the water from the pond is restricted. There is no environmental pollution.
28.	Green belt	There is greenbelt close to the ash pond outside the embankment area.
29.	Any other information: Soft copy of the annual compliance report, and shape files of power plant and ash ponds may be e-mailed to:- moefcccoalash@gov.in	Attached
30.	Signature of Authorized Signatory	

Sarat Kumar Das
Professor
Department of Civil Engineering
IIT (ISM) Dhanbad
Dhanbad, Jharkhand - 826004

27/04/2025
Sarat Kumar Das
Professor
Deptt. of Civil Engineering
Indian Institute of Technology
(Indian School of Mines), Dhanbad
Jharkhand-826004, India

e)	Whether any wet spots/areas are present i) Downstream slope ii) On the foundation very near to the downstream toe:	No	
f)	Whether any longitudinal cracks are observed on: i) On the top of dyke ii) The upstream slope iii) The downstream slope	No	
g)	Whether any transverse cracks are observed in: i) On the top of dyke ii) The upstream slope iii) The downstream slope	No	
h)	If any cracks are observed on the tip and the slopes i) Whether the cracks on the top & Slopes are continuous. ii) Whether the cracks are lengthening with time iii) Whether the cracks are widening with time if seepage is observed on the slope or near the d/s toe.	Not applicable	
	DUMPING PATTERN IN ASH POND	No dumping	There is some occasional dumping of excavated earth and construction and demolition wastes.
	SIGNATURE OF INSPECTION OFFICERS		

Sarat Kumar Das
Professor
Department of Civil Engineering
IIT (ISM) Dhanbad
Dhanbad, Jharkhand - 826004

27/04/2025
Sarat Kumar Das
Professor
Deptt. of Civil Engineering
Indian Institute of Technology
(Indian School of Mines), Dhanbad
Jharkhand-826004, India

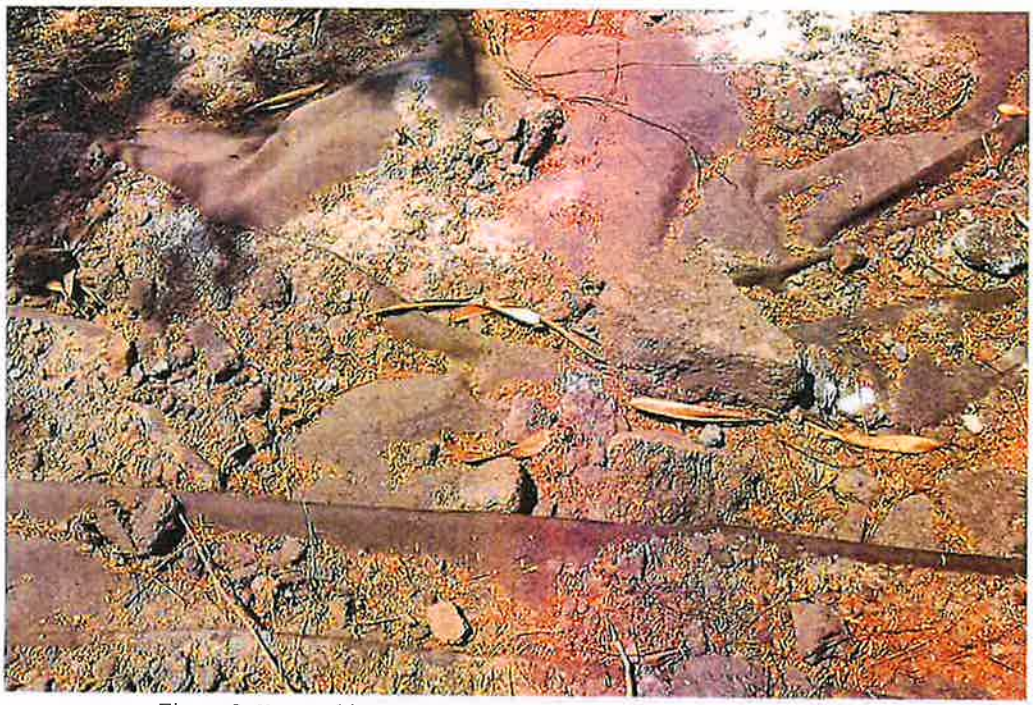


Figure 3. Exposed impermeable HDPE membrane around the ash pond

The ash pond was found to be well engineered with CC road of 4.0 m width all around the pond. The ash pond is also provided with water sprinkler system to supress the fly ash and they are connected with ring water supply pipe lines all around the ash pond. This is evident from the concrete stand with pipes (Figure 4)..

Figure 4. The sprinkler system stand pipe adjacent to the CC road

Figure 7. Two secpage monitoring well

Similarly, two settlement monitoring stations have been put to measure the settlement of the top of the ash dyke as shown in Figure 8.

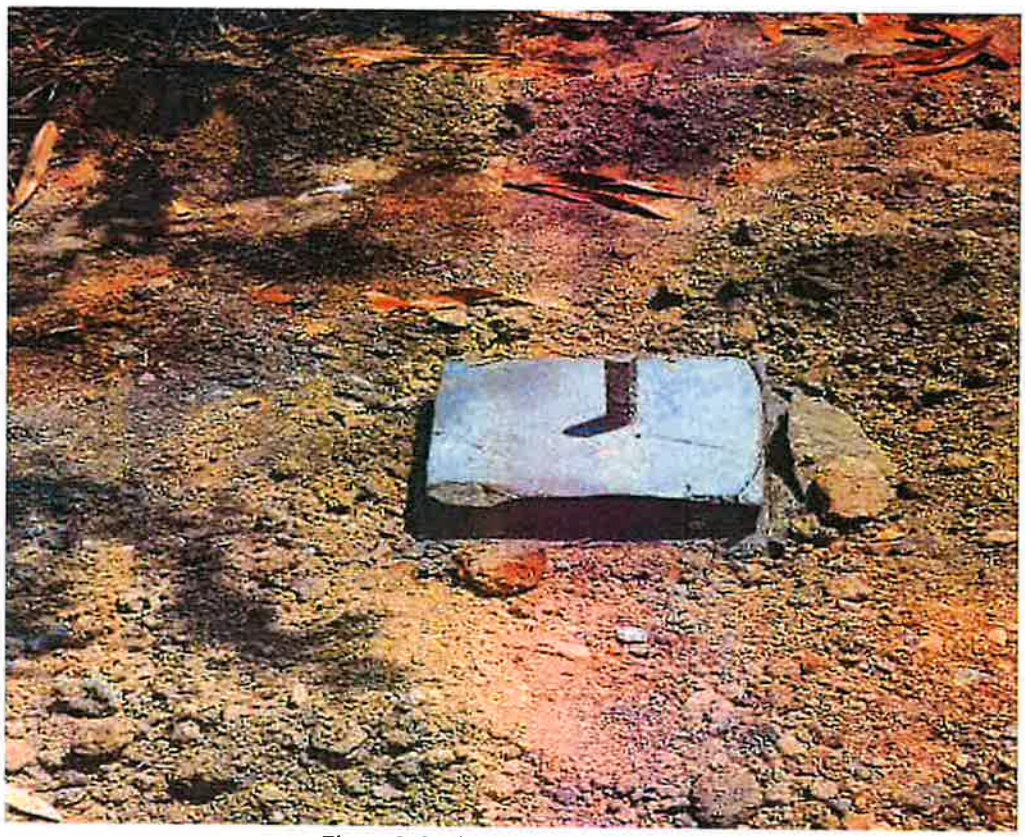
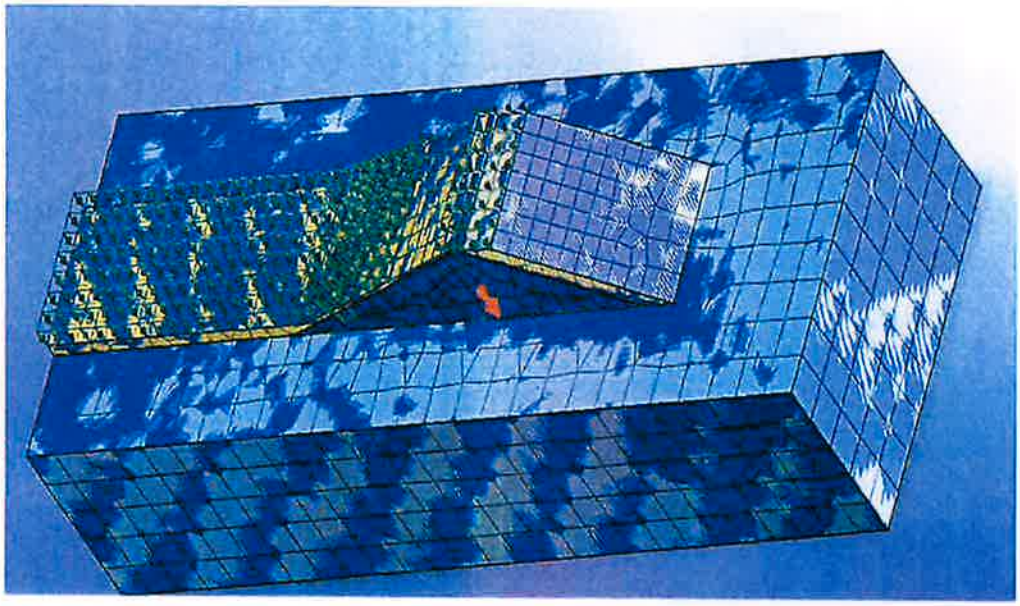
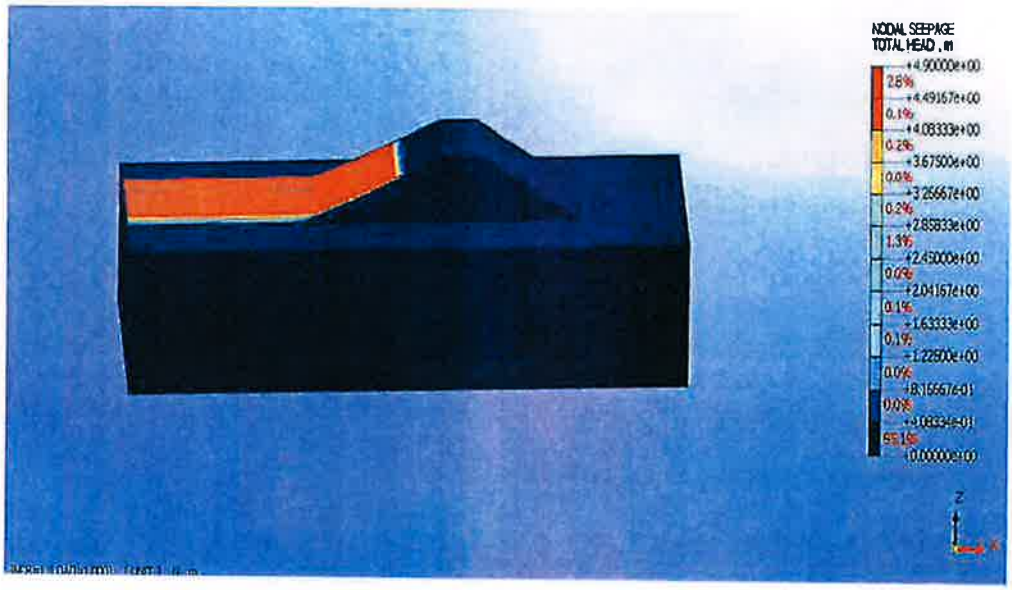


Figure 8. Settlement monitoring point



(b)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(c)

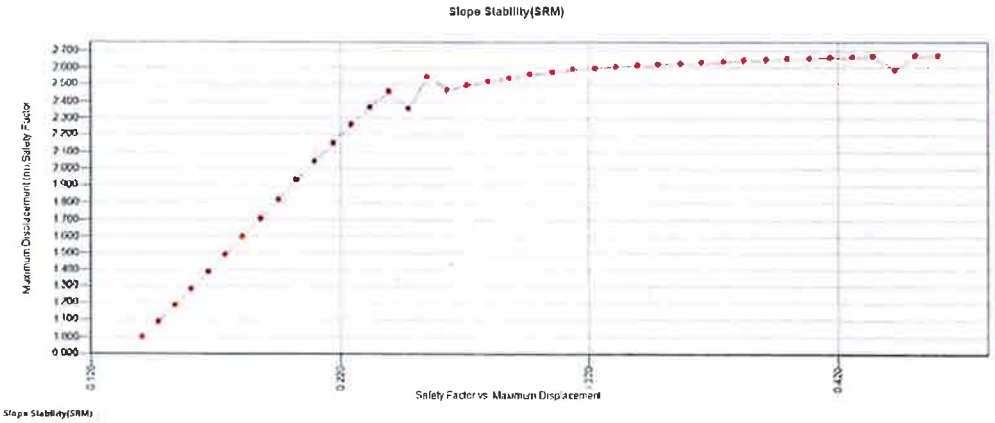

Figure 10. The *FoS* of the slope as per MIDAS GTS NX analysis with *FoS* value as 2.66

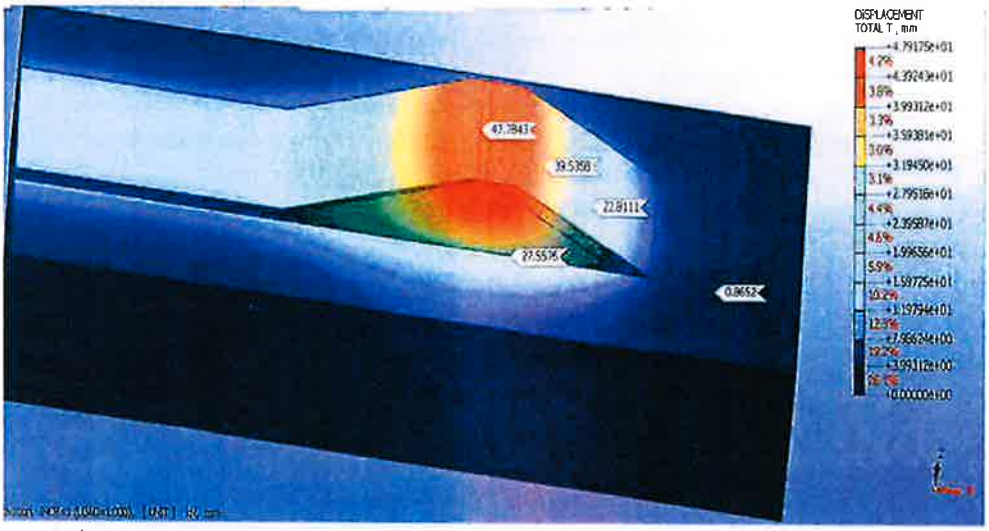

Figure 11. Maximum vertical deflection is 47.9 mm as per MIDAS GTS NX analysis

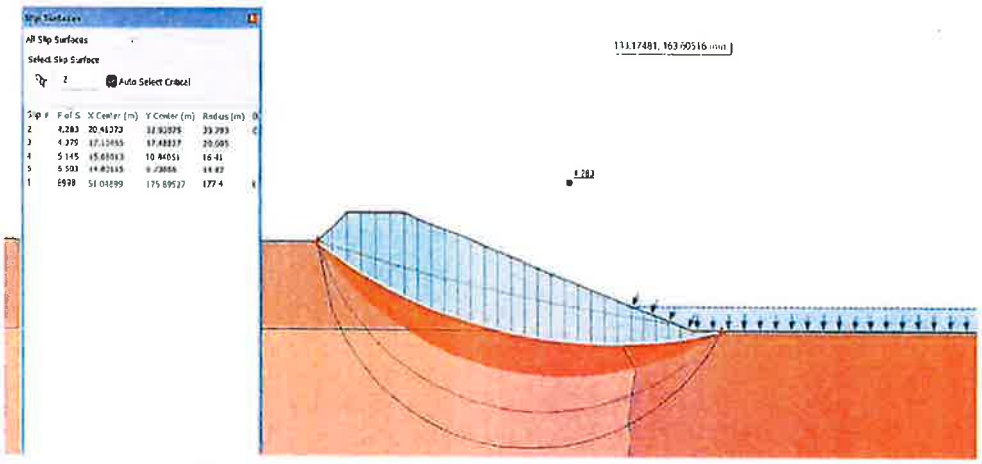

Figure 12. Model for the calculation of *FoS* and slip surface

Acuk 1

JSW Energy Limited

Works :
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India.
CIN. : L74999MH1994PLC077041
Phone : 08395 - 282 200
Website : www.jsw.in

Ref. No. JSWEL / EWM / 8264
Date: 28th April, 2025

To

The Member Secretary,

Central Pollution Control Board,

``Parivesh Bhawan``

CBD-Cum Office Complex,

East Arjunagar, Shahadra,

New Delhi-110032.

Sub: Filling of Annual returns for e-waste disposal for the FY 2024-25.

Dear Sir,

This is in compliance with MoEF & CC Notification for e-waste management rules, we here by submit the Annual returns in Form -3 of e-Waste for the period April 2024 to March 2025.

Yours faithfully,

for JSW Energy Limited

Kartikeya Misra
Vice President & Head of Plant

Copy to : Environmental Officer, KSPCB, Ballari.

FORM-3

(See rules4(5),5(5),8(6),9(4),10(8),11(9),13(1)(XI),13(2)(V),13(3)(VII) and13(4)(V))

FORM FOR FILLING ANNUAL RETURNS

(To be submitted by producer or Refurbisher or Dismantler by 30th day of Jun Following the financial year to which that return relates)

Period: 01.04.2024 to 31.03.2025 Quantity in Metric tons(MT) and numbers

1	Name and address of the producer or Manufacturer or Refurbisher or Dismantler or recycler	JSW Energy Limited, 860 MW TPP, P.O Box No.9, Toranagallu, Sandur taluka, Bellary District, Karnataka, PIN: 583123.		
2	Name of authorized person and complete address with telephone and fax numbers and E-mail address	Kartikeya Misra, Vice President & Head of Plant, JSW Energy Limited, 860 MW TPP, P.O Box No.9, Toranagallu, Sandur taluka, Bellary District, Karnataka, PIN 583123 Ph.no. 08395 252124 E-Mail id: kartikeya.misra@jsw.in		
3	Total Quantity of E-Waste collected or channelized to recyclers or dismantlers category of electrical and electronic equipment listed in the schedule I (attach list) by Producers	0.78 MT		
	Details of the above	TYPE	QUANTITY	NO.
3(A)*	BULK CONSUMERS: Quantity of e-waste	E -Waste	0.78 MT	-
3(B)*	REFURBISHER: Quantity of e-waste	-	-	-
3(c)*	DISMANTLERS: I. Quantity of e-waste Processed (code wise) II. Details of materials or components recovered and sold, III. Quantity of e-waste sent to recycler, IV. Residual Quantity of e-waste sent to Treatment, storage and disposal facility.	-	-	-

Form-6

[See rule 19]

E-WASTE MANIFEST

1.	Sender's name and mailing address (Including Phone No.) :	JSW Energy Limited Belary.
2.	Sender's authorisation No, if applicable. :	-NA-
3.	Manifest Document No. :	10365-02/E
4.	Transporter's name and address : (including Phone No.)	Zainab road Lines.
5.	Type of vehicle :	(Truck or Tanker or Special Vehicle)
6.	Transporter/s registration No. :	—
7.	Vehicle registration No.	KA28 D02250
8.	Receiver's name & address :	J Choudhary & Company Factory : Survey No 87/3, Pipeline Lane, Mohammadiya Estate, Near Siddhivinayak Weight Bridge, Pimpri, Chinchwad Pune Road, Thane - 400 0612.
9.	Receiver's authorisation No, if applicable. :	184935/CO/240100/1487 dt 11/1/24.
10.	Description of E-Waste (Item, Weight/ Numbers):	Ewaste :- 780kg
11.	Name and stamp of Sender* (Manufacturer or Producer or Bulk Consumer or Collection Centre or Refurbisher or Dismantler): Signature : For J Choudhary & Company Authorized Signatory	Day D 06 Month M 02 Year Y 2025
12.	Transporter acknowledgement of receipt of E-Wastes	
	Name and stamp : For J Choudhary & Company Authorized Signatory Signature: Year	Day D 06 Month M 02 Y 2025
13.	Receiver* (Collection Centre or Refurbisher or Dismantler or Recycler) certification of receipt of E-waste	
	Name and stamp : For J Choudhary & Company Authorized Signatory Signature: Year	Day D 08 Month M 02 Y 2025

* As applicable

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0.0	As per Schedule-I	Not Applicable
2.	Domestic effluent	0.5	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Dismantling Section	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Plastic Scrap / Plastic Packaging Material	05	MT/A	--	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	31.1 Process residue and wastes	1.0	MT/A	---	CHWTSDF

8. **Conditions under E-Waste Management:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	NA	0.00	--NA--	NA

9. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
11. The industry shall collect E-waste generated during the process of refurbishing and hand over the waste to registered recycler and upload the information on the portal.
12. The industry shall maintain records of E-waste collected, dismantled, refurbished and sent to the registered recycler on the portal and make available all records for verification or audit as and when required.
13. The industry shall file annual and quarterly return of E-waste in the laid down form on the portal on or before the end of month succeeding the quarter or year, as the case may be, to which the return relates.
14. The industry shall obtain Registration from Central Pollution Control Board under Sub-Rule (4) & (7) of the E-waste Management Rules, 2022 for the collection, segregation, dismantling & refurbishing of E-waste by applying on the centralized portal (www.eprewastecpcb.in).
15. This consent is issued with an overriding effect on the existing Consent to Operate granted by the Board vide No. BO/MPCB/RO(HQ)/NM/CO/ B-1902001122 dated 25/02/2019 valid up to 31/01/2024.

Acnk

JSW Energy Limited

Works :
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India.
CIN. : L74999MH1994PLC077041
Phone : 08395 - 282 200
Website : www.jsw.in

Ref. No. JSWEL/ ENV/ Auth/ 8263
Date: 28.04.2025

To

The Member Secretary,
Central Pollution Control Board,
"Parivesh Bhawan",
CBD-Cum Office Complex,
East Arjunnagar, Shahadra,
New Delhi – 110 032

Dear Sir,

Sub: Filing of returns for used batteries under Battery (M&H) Rules, 2001 as amended in 2010 for the period October 2024 to March 2025.

You are kindly aware that JSW Energy Limited is operating 860 MW TPP in compliance with conditions stipulated in the consent.

We hereby inform you that the generation of used batteries for the reporting period October 2024 to March 2025 for FY 2024-25 is nil.

This is for your kind information and records pl.

Thanking You.

Yours faithfully,

for **JSW Energy Limited,**

Kartikeya Misra
Vice President & Head of Plant

Copy to : Environmental Officer, KSPCB, , Ballari.

JSW Energy Limited

Works :
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India.
CIN. : L74999MH1994PLC077041
Phone : 08395 - 282 200
Website : www.jsw.in

Ref. No. JSWEL/ ENV/ Auth/ 8175
Date: November 22, 2024

To

The Member Secretary,
Central Pollution Control Board,
"Parivesh Bhawan",
CBD-Cum Office Complex,
East Arjunnagar, Shahadra,
New Delhi – 110 032

Dear Sir,

Sub: Filing of returns for used batteries under Battery (M&H) Rules, 2001 as amended in 2010 for the period April 2024 to September 2024.

You are kindly aware that JSW Energy Limited is operating 860 MW TPP in compliance with conditions stipulated in the consent.

We hereby inform you that the generation of used batteries for the reporting period April 2024 to September 2024 for FY 2024-25 is nil.

This is for your kind information and records pl.

Thanking You.

Yours faithfully,

for **JSW Energy Limited,**

Kartikeya Misra
Vice President & Head of Plant

Copy to : Environmental Officer, KSPCB, , Ballari.

-Acmc

JSW Energy Limited

Works :
P.B. No.9, Toranagallu
Dist. Ballari - 583 123, Karnataka, India.
CIN : L74999MH1994PLC077041
Phone : 08395 - 282 200
Website : www.jsw.in

Ref: - JSWEL/Auth/ OHC/8218

Date: - 7.2.2025

To,

The Environmental Officer,

Regional Office KSPCB,

Sy no.597P, Ward no. 25,

4th main, Near Dr. Vishnuvardhana Park,

Kuvempunagar

Bellary-583104

Ref. KSPCB/EO(BLY)/CORRIGENDUM/2020-21/1268 Dated 02-02-2021

Dear Sir,

Sub: - Biomedical waste Annual return-2024

With reference to the above subject, here with Biomedical waste annual returns in the prescribed format for the period of January 2024 to December 2024, for your information.

Kindly acknowledge receipt of the same.

Thanking you,

Yours faithfully

For JSW Energy Ltd

Authorized Signatory

Form - IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1.	Particulars of the Occupier	:	
	(i) Name of the authorised person (occupier or operator of facility)	:	Dr. Preethi Latha. (Operator)
	(ii) Name of HCF or CBMWTF	:	JSW Energy
	(iii) Address for Correspondence	:	Post: box No-09 Toranagallu
	(iv) Address of Facility		District - Ballari
	(v)Tel. No, Fax. No	:	08395-282111
	(vi) E-mail ID	:	preethi latha@jsw.in
	(vii) URL of Website		—
	(viii) GPS coordinates of HCF or CBMWTF		—
	(ix) Ownership of HCF or CBMWTF	:	(State Government or Private or Semi Govt. or any other)
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorisation No.: KSPCB/RO(BLY)/BMH 2018-19/1309 ...valid up to one Time
	(xi). Status of Consents under Water Act and Air Act	:	Valid up to:
2.	Type of Health Care Facility	:	
	(i) Bedded Hospital	:	No. of Beds:.....
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	Occupational Health Center
	(iii) License number and its date of expiry		—
3.	Details of CBMWTF	:	—
	(i) Number healthcare facilities covered by CBMWTF	:	—
	(ii) No of beds covered by CBMWTF	:	—
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	_____ Kg per day

	during the treatment of wastes in Kg per annum		Incineration Ash ETP Sludge
	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	Suryakanth Environment Technologies.
	(vii) List of member HCF not handed over bio-medical waste.		—
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		—
7	Details trainings conducted on BMW		—
	(i) Number of trainings conducted on BMW Management.		—
	(ii) number of personnel trained		
	(iii) number of personnel trained at the time of induction		
	(iv) number of personnel not undergone any training so far		
	(v) whether standard manual for training is available?		
	(vi) any other information)		
8	Details of the accident occurred during the year		
	(i) Number of Accidents occurred		
	(ii) Number of the persons affected		
	(iii) Remedial Action taken (Please attach details if any)		
	(iv) Any Fatality occurred, details.		
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?		
	Details of Continuous online emission monitoring systems installed		
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		
11	Is the disinfection method or sterilization meeting the log 4		