



JSW Energy Limited

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

Ref. No. JSWEL/HWM/ 6631
Date: June 28, 2017

To

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

Sub: Hazardous waste Management Annual Returns JSWEL 860 MW Reg.

Dear Sir,

Please find enclosed herewith Hazardous Waste Management annual returns in Form-4 for the Period of April 2016 to March 2017 for your information.

Please acknowledge the receipt of the same.

Yours faithfully,

for JSW Energy Limited

K Surya Prakash
Vice President & Plan In Charge

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪರಿಸ್ಥಿತಿ ನಿರೀಕ್ಷಾ ಮಂಡಳಿ
ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಬೆಳ್ಳಾರಿ.
ಸ್ವೀಕೃತಿಸಿದೆ
ದಿನಾಂಕ: 28/6/17



Part of O. P. Jindal Group

Regd. Office : JSW Centre,
Bandra Kurta Complex,
Bandra (East), Mumbai - 400 051
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000

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 April to March]

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

2. Authorization No. and Date of issue : PCB/HWM/SEO/2015-16/HD
Reg.No.90770/327,dated 17.06.2015 valid
up to 30.06.2020.

3. Name of the authorised person and full address with telephone, fax number and e-mail : Mr. K. Surya Prakash,
Vice President & Plant In Charge,
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 : surya.prakash@jsw.in.

4. Production during the year (product wise),
wherever applicable :

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise :

Type of hazardous as per Authorization	Quantity (in KL or MT)	Authorized	Generated
(a) Used Oil (5.1)	60 KL / A	60 KL / A	3.86 KL / A
(b) Transformer Oil (5.1)	42 KL / A	42 KL / A	0 KL / A
(c) Oil soaked Cotton waste (cat 5.2)	3.5 MT / A	3.5 MT / A	0.100 MT / A
(d) Oil used filters (cat 5.2)	30 Nos/A	30 Nos/A	20 Nos (0.01 MT) / A

2. Quantity dispatched
(i) to disposal facility : Nil
(ii) to recycler or co-processors or pre-processor : 7.34 KL
(iii) others / Incinerator facility : 0.11 MT

Name & address of consignee	Mode of packing	Date		Quantity	
		Used oil			
M/s M.R. Industries Office No :2, Behind Binni mill ground, Markandeswara nagar, Banglore- 560 023	Leak proof closed containers	09.05.2016	3.48	KL	
		08.08.2016	2.10	KL	
		04.11.2016	1.47	KL	
		02.02.2017	0.29	KL	
		Total	7.34	KL	
M/s GOMITI INCINCO, No.3- B-2, 1st Phase, KIADB Industrial Area, Kumbalgodu, Mysore Road, Bangaluru, Karnataka – 560 060	Leak proof closed containers	Oil soaked Cotton Waste			
		0.100 MT/ A			
		Used Oil Filters			
				20 Nos / A (0.010 MT/A)	

3. Quantity utilised in-house, if any - : Nil
4. Quantity in storage at the end of the year - : Nil

Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received - **Not Applicable**
2. Quantity in stock at the beginning of the year -
3. Quantity treated -
4. Quantity disposed in landfills as such and after treatment -
5. Quantity incinerated (if applicable) -
6. Quantity processed other than specified above -
7. Quantity in storage at the end of the year -

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: 29.06.2017.

Place: Tetangally,



Signature of the Occupier

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FORM - 13
(See Rule 21 (1))
Hazardous Waste Manifest
(Information of hazardous waste for disposal)

1. Occupier's Name & Mailing Address (Including Phone No.) JSW Energy Ltd Tolanaagalu	2. Occupier's Registration No. PE611MM15E012015-16/90770/323
	3. Manifest Document No. 001
	6. Transport's-Registration No.
4. Transport's Name & Address : (Including Phone No.) Type of Vehicle Truck Tanker Special Vehicle	7. Vehicle Registration No.
	9. Facility's Registration No. PE611MM15E012015-16/11613
	10. Facility's Phone 9448183792
8. Designated Facility Name & Site Address No. 2, Behind Binny Mill Ground Markandeshwara Nagar, BANGALORE-560 023.	12. Total Quantity of Waste 3480 litres

Waste Description Waste oil	13. Consistency : Solid Semi Solid Sludge Oily Tarry Slurry <input checked="" type="checkbox"/>
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14. Transport Description of Waste	15. Container		16. Total Quantity	17. Unit Wt./Vol	18. Waste Category
	No.	Type			
Tanker	18	Drum	3480	lit	S.O.I

19. Special Handling Instructions & Additional Information

20. OCCUPIER'S CERTIFICATE : I hereby that the contents of the consignment are fully and actually described above by proper shipping name and are categorised, packed, marked and labelled and are in all respects in proper condition for transport by road according to applicable national government regulations.

Typed Name & Stamp	Signature	Month	Day	Year
		<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

21. Transporter's Acknowledgement of Receipt of Material	Typed Name & Stamp	Signature	Month	Day	Year
			<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

22. Discrepancy Note Space :

23. Facility of owner of Operator's Certification of Receipt of Hazardous waste	Typed Name & Stamp	Month	Day	Year
		<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>



Second Copy - To be retained by occupier after taking Signature from transporter

FORM - 13
(See Rule 21 (1))
Hazardous Waste Manifest
(Information of hazardous waste for disposal)

1. Occupier's Name & Mailing Address (Including Phone No.) Jsw Energy Ltd. Toxanogally.		2. Occupier's Registration No. PCN/1100M/5E0/15-16/H12/90770/317			
3. Manifest Document No. 002		6. Transport's Registration No.			
4. Transport's Name & Address : (Including Phone No.) Type of Vehicle Truck Tanker Special Vehicle		7. Vehicle Registration No.			
8. Designated Facility Name & Site Address No. 2, Behind Binny Mill Ground Markandeshwara Nagar, BANGALORE-550 023.		9. Facility's Registration No. PCN/1100M/5E0/15-16/H12/90770/317			
11. Waste Description Used oil		10. Facility's Phone 9448183792			
13. Consistency : Solid Semi Solid Sludge Oily ✓ Tarry Slurry		12. Total Quantity of Waste 2100 Kilograms			
14. Transport Description of Waste	15. Container No.	16. Total Quantity	17. Unit Wt./Vol	18. Waste Category	
	TRUCK	10	DRUM	2100	LITRE



19. Special Handling Instructions & Additional Information

20. OCCUPIER'S CERTIFICATE : I hereby that the contents of the consignment are fully and actually described above by proper shipping name and are categorized, packed, marked and labelled and are in all respects in proper condition for transport by road according to applicable national government regulations.

Typed Name & Stamp
 Signature
 Month Day Year
09 08 2016

21. Transporter's Acknowledgement of Receipt of Material

Typed Name & Stamp
 Signature
 Month Day Year
09 08 2016

22. Discrepancy Note Space :

23. Facility of owner of Operator's Certification of Receipt of Hazardous waste

Typed Name & Stamp
 Signature
 Month Day Year
09 08 2016

Second Copy - To be retained by occupier after taking Signature from transporter

FORM - 13
(See Rule 21 (1))
Hazardous Waste Manifest
(Information of hazardous waste for disposal)

1. Occupier's Name & Mailing Address (Including Phone No.) <i>JSW Energy Ltd. (2601111)</i> <i>Transopella</i>		2. Occupier's Registration No. <i>PEB/HM/SE01/2005-16/JUD/9077d/327</i>		
3. Manifest Document No. <i>005</i>		6. Transporter's Registration No.		
4. Transporter's Name & Address : (Including Phone No.) Truck Tanker Special Vehicle		7. Vehicle Registration No.		
8. Designate M. RINDUS STREETS No. 2, Behind Binny Mill Ground Markandeshwara Nagar, BANGALORE-560 023.		9. Facility's Registration No. <i>PEB/HM/SE01/93949/151d/1K13</i>		
11. Waste Description		10. Facility's Phone <i>94498183792</i>		
13. Consistency : Solid Semi Solid Sludge		12. Total Quantity of Waste <i>1470</i> <i>Ltrs.</i>		
14. Transport Description of Waste	15. Container	16. Total Quantity	17. Unit Wt./Vol	18. Waste Category
	No. Type			
<i>Truck</i>	<i>8</i> <i>Barrels</i>	<i>1470</i>	<i>Ltrs</i>	<i>5.1</i>

19. Special Handling Instructions & Additional Information

20. **OCCUPIER'S CERTIFICATE:** I hereby that the contents of the consignment are fully and actually described above by proper shipping name and are categorised, packed, marked and labelled and are in all respects in proper condition for transport by road according to applicable national government regulations:

Typed Name & Stamp Signature

Month Day Year

21. Transporter's Acknowledgement/Receipt of Material

Typed Name & Stamp

Month Day Year

22. Discrepancy Note Space :

23. Facility of owner of Operator's Registration Receipt of Hazardous waste

Typed Name & Stamp



Month Day Year

Second Copy - To be retained by occupier after taking Signature from transporter

FORM - 13
(See Rule 21 (1))
Hazardous Waste Manifest
(Information of hazardous waste for disposal)

1. Occupier's Name & Mailing Address (Including Phone No.) <i>JSW Energy Ltd. (Germany) 10009-111</i>	2. Occupier's Registration No. <i>PR/HS/1501/2015-16/10190770/327</i>	
	3. Manifest Document No. <i>CRS</i>	
4. Transporter's Name & Address (Including Phone No.) <i>10009-111</i>	6. Transporter's Registration No.	
	7. Vehicle Registration No.	
8. Designation of Facility and Site Address <i>M. R. P. Industries No. 2, Behind Binny Mill Ground, Markandeshwara Nagar, BANGALORE-560 023.</i>	9. Facility's Registration No. <i>PR/HS/1501/2015-16/10190770/327</i>	
	10. Facility's Phone <i>9442183799</i>	
11. Waste Description <i>Waste Description</i>	12. Total Quantity of Waste <i>1470</i>	
	13. Consistency : Solid Semi Solid Sludge <i>Oilly Tarry Slurry</i>	
14. Transport Description of Waste	16. Total Quantity	
	15. Container No. Type <i>2</i> <i>Waste</i>	17. Unit Wt./Vol <i>13</i>
18. Waste Category <i>S.I</i>		

19. Special Handling Instructions & Additional Information

20. OCCUPIER'S CERTIFICATE : I hereby that the contents of the consignment are fully and actually described above by proper shipping name and are categorised, packed, marked and labelled I are in all respects in proper condition for transport by road according to applicable national government regulations.

21. Transporter's Acknowledgment of Receipt of Material

Typed Name & Stamp


 Signature
 Month Day Year

22. Discrepancy Note Space

Typed Name & Stamp

 Signature
 Month Day Year

23. Facility of owner of Operator's Certification of Receipt of Hazardous waste

Typed Name & Stamp

 Signature
 Month Day Year

Second Copy - To be retained by occupier after taking Signature from transporter

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. ISM Energy Ltd. Post Box No. 09, Toranagarh, Belur - 583225.							
2.	Sender's Authorisation No.								
3.	Manifest Document No.								
4.	Transporter's Name & Address (Including Phone No. & E-mail)	<p align="center">GOPI VINCO No. 3/1/2, 1st Phase, KIADB Industrial Area, Kattihalli, B. D., Mysore Road, Bengaluru - 560 050</p>							
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)							
6.	Transporter's Registration No.								
7.	Vehicle Registration No.	KA25 A11821							
8.	Receiver's Name & Mailing Address (Including Phone No. & E-mail)	<p align="center">GOPI VINCO No. 3/1/2, 1st Phase, KIADB Industrial Area, Kattihalli, B. D., Mysore Road, Bengaluru - 560 050</p>							
9.	Receiver's Authorisation No.	Pesthonn Seal 110.leg No. 583225/16/Env.							
10.	Waste Description	Oil Sacked cotton waste.							
11.	Total Quantity No. of Containers	110.leg / m ³ or MT Nos							
12.	Physical form	(Solid / Semi-Solid / Sludge/Oily/Tarry/Slurry/Liquid)							
13.	Special Handling Instruction & Additional information :								
14.	Senders Certificate	I hereby declare that the contents of the consignment are fully and accurately describe 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.							
15.	Name & Stamp :	Signature :							
	Transporter Acknowledgement of Receipt of Wastes	<table border="1"> <tr> <td>MONT</td> <td>DAY</td> <td>YEAR</td> </tr> <tr> <td>06</td> <td>13</td> <td>2017</td> </tr> </table>			MONT	DAY	YEAR	06	13
MONT	DAY	YEAR							
06	13	2017							
16.	Name & Stamp :	Signature :							
	Receiver's Certification of Receipt of Hazardous and other Waste	<table border="1"> <tr> <td>MONT</td> <td>DAY</td> <td>YEAR</td> </tr> <tr> <td>06</td> <td>13</td> <td>2017</td> </tr> </table>			MONT	DAY	YEAR	06	13
MONT	DAY	YEAR							
06	13	2017							

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 it from the transporter and the rest of the five signed copies : 0 to be carried by the transporter.
 3. Pink : To be retained by the receiver after taking signature on it from the transporter and the rest of the five signed copies : 0 to be carried by the transporter.
 4. Orange : 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 to the State Pollution Control Board.
 7. Grey : To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ

Karnataka State Pollution Control Board

"ಪೊರವನ", 1 ಓದ 5ನೇ ಮಹಡಿಗಳು, ಸಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ

"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

FORM-2

[SEE RULE 5(4)]

AUTHORIZATION FOR HANDLING HAZARDOUS WASTE

No. PCB/HWM/SEO/H.D. Reg. No.87527/2015-16/HH76 Dated 3 AUG 2015

1. The Chief Executive Officer of M/s. Gomit Incinco., No.3-B-2, 1st Phase, KIADB Industrial Area, Kuribalgodu, Mysore Road, Bangalore-560 074 is hereby granted an authorization under Rule 5(4) of Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 as amended upto 2010 for handling Hazardous Waste in the manner indicated below while carrying on the activity of incineration of hazardous waste collected from other industries.

Waste Category	Hazardous Waste Generated	Quantity	Method of Handling
5.2	Residue containing oil		Stored in a secured manner as per the guidelines given in Annexure-1 and incinerate in an incinerator. The ash generated after incinerator shall be stored in a shed and sent to TSDF for disposal
20.3	Distillation residue		
21.1	Waste residue of paints, pigments, lacquers, varnishes inks.		
23.1	Waste varnishes of adhesives and resins	900 MT/A	
28.1	Residues and waste		
28.2	Spent carton		
28.3	Off specification products		
28.4	Date expired, discarded and off-specification drugs/medicines		
36.2	Ash from incinerator of hazardous waste	90 MT/A	Stored in secured manner and disposed to TSDF.

2. This authorization is issued with reference to the application dated: 25.02.2015 and will be in force for a period from 01.07.2015 to 30.06.2020 unless cancelled or suspended.

SENIOR ENVIRONMENTAL OFFICER