

**JSW Energy (Barmer) Limited**

Village & Post : Bhadresh, Post Box No. 30,

Distt : Barmer – 344001 (Rajasthan)

CIN : U31102MH1996PLC185098

Phone : +91 2982 229100

Website: www.jsw.in

Ref: JSWE(B)L/ENV/26-27/005

Date: 27.05.2026

To,

**Ministry of Environment Forests & Climate Change,
Integrated Regional Office,
A-209&218, Aranya Bhavan, M. G. Road,
Jaipur-304002, Rajasthan.**

**Sub: Compliance Report-Environmental Clearance for 1080 MW Lignite based Power Plant at
Village-Bhadresh, District Barmer.**

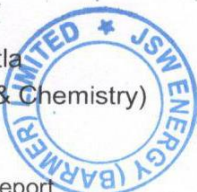
Dear Sir,

With reference to your letter No. J-13011/58/2006-IA-II (T) dated 20.07.2007 and 19.11.2009, and followed by Letter no. IV/ENV/R/Th-39/679/08/273, we herewith submit half-yearly compliance report, for the period pertaining to **October- 2025 to March- 2026**, for the conditions stipulated in the Environmental clearance issued for this Power Project. Analysis Data has uploaded on Parivesh portal.

We have taken up the Project activity at proposed site incorporating the conditions stipulated in this environmental clearance.

Thanking You.**For JSW Energy (Barmer) Limited**

Sharad Chandra Totla
GM - (Environment & Chemistry)

**Enclosure:**

- | | |
|---------------------------------|----------------|
| 1. Compliance Report | -Annexure I |
| 2. Water consumption Data | -Annexure II |
| 3. Effluent Water Data | -Annexure III |
| 4. Coal Analysis Data | -Annexure IV |
| 5. CEMS & Stack Monitoring DATA | -Annexure V |
| 6. Ash Utilization Data | -Annexure VI |
| 7. Noise Monitoring | -Annexure VII |
| 8. AAQ Monitoring Data | -Annexure VIII |
| 9. Environmental Expenditure | -Annexure IX |
| 10. Last Compliance Report | |

C.C.

The Member Secretary – Central Pollution Control Board, Delhi

The Member Secretary – RSPCB, Jaipur

The Regional Officer – RSPCB, Balotra.

Compliance report for MOEF conditions stipulated in Environmental Clearance (dt. 20-07-2007 as amended on 19-11-2009) for 1080 MW Lignite-based power project of RWPL at Village-Bhadresh, District-Barmer

Reporting Period: OCT, 2025- MAR-2026

S.N.	Condition	Status
i	No land in excess of 468 ha shall be acquired for any activity of the project.	No additional Land in excess of 468 ha has been acquired for the project activities.
ii	The water requirement for the project shall not exceed 35.5 cusecs. No ground water shall be abstracted for any activity of the project.	The water supplied by IGNP is well within the permitted quantity of 35.5 cusecs. Records w.r.t IGNP supplied water is attached as Annexure I for reference. There is no groundwater extraction for the project.
iii	<i>Closed Circuit Cooling System with induced draft cooling towers shall be installed.</i>	Four number of closed-circuit cooling tower blocks with induced draft cooling towers have been installed and are in operation.
iv	<i>Treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. No effluents shall be discharged outside the plant boundary.</i>	All the process effluents generated are treated in a common ETP and the treated effluent is reused within the plant premises. No effluent is being discharged outside the plant boundary. The treated effluent quality data is attached as Annexure II .
v	<i>Lignite with ash content not exceeding 20% and sulphur content not exceeding 2.0% shall be used.</i>	Lignite with less than 20 Percent ash and 2 percent sulphur content is being used for power generation. The third-party reports conforming the same are enclosed as Annexure III .
vi	<i>Space provision for FGD shall be made, if required at a later stage.</i>	The boilers are based on Circulating Fluidized Base Combustion technology for fuel firing and involves injection of lime, which absorbs Sulphur. However, Space provisions has been made for FGD if required at a later stage.

vii	<i>Four stacks of 122 m height each with exit velocity of at least 20 m/s shall be provided with continuous online monitoring system.</i>	Four bi-flue stacks each of 122 m height has been provided with Continuous Emission Monitoring Systems (CEMS) installed to monitor the emissions online.
viii	<i>Low NOx burners shall be installed.</i>	The boiler is designed on Circulating Fluidized Bed Combustion system attains to very low NOx generation. ANNEXURE-IV
ix	<i>High efficiency Electrostatic Precipitator (ESPs) having efficiency of 99.9% shall be installed so as to ensure that particulate emissions do not exceed 100 mg/Nm³.</i>	High Efficiency ESPs have been installed to ensure the PM emissions below 100 mg/Nm ³ . The monitoring data is attached as Annexure IV .
xi	<i>Fly ash shall be collected in dry form and its 100% utilization shall be ensured within 3 years from the day of the commissioning of the plant. Ash to be disposed off in the ash pond shall be through HCSD system.</i>	Fly ash is being collected in dry form through pneumatic handling system. The Ash is being utilized as per the Fly Ash Notification 2021 and subsequent amendments thereof with major utilization in cement plants such as M/s Shree Cement, M/s J K Lakshmi, M/s JSW Cement and M/s Ultratech Cement. The unutilized ash if any would be disposed off to the ash pond through HCSD system. The ash utilization is attached as Annexure V .
xii	<i>Ash pond shall be lined with 0.5 mm thick HDPE geo-membrane lining.</i>	The ash pond is lined with 0.5 mm thick HDPE geo-membrane, to avoid any leachate to the ground.
xiii	<i>Details of compensation to be paid to the land oustees along with number of land oustees shall be worked out and submitted to this Ministry within three months from the date of issue of this letter or before the start of work on the project whichever is earlier.</i>	Resettlement Action Plan (RAP) was compiled and submitted to the MOEF on 30-07-2007.
xiv	<i>Necessary prior clearance from NHAI shall be obtained before laying the pipeline.</i>	Permission has been obtained from NHAI before laying the pipeline.

xv	<i>Necessary prior clearance from Indian Air Force shall be obtained for construction of stacks of requisite height before starting the work on the project.</i>	Prior approval from Indian Air Force has been obtained for construction of stacks of requisite height. Annexure
xvi	<i>Adequate measures shall be taken up to maintain the sanctity and protection from any adverse impact from the proposed power project to the temple of Sant Ishardas Samadhi.</i>	The Temple is outside the plant premises. Necessary developmental measures such as supply of lighting and electricity have been taken for this temple.
xvii	<i>Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the ash disposal area.</i>	Regular monitoring of Ground water is being carried out nearby the project area and ash pond is lined with 0.5 mm thick HDPE geo-membrane, to avoid any leachate to the ground.
xviii	<i>Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.</i>	The noise levels monitored in and around the project site are well within the stipulated norms. Area specific PPEs have been mandated for all people working in high noise area. The monitored data is attached as Annexure VI.
xix	<i>A greenbelt shall be developed all around the plant boundary and ash pond covering an area of 154 ha.</i>	The green belt has been developed on an area of 154 Ha with a survival rate of more than 90 percent. However, the mortality replacement with compensatory plantation is being carried out on a regular basis to maintain the ecological sustainability.
xx	<i>Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be finalized in consultation with SPCB. Six monthly reports shall be submitted to this Ministry.</i>	Regular monitoring of Air Quality is being carried out in and around the plant premises with locations as finalized in consultation with Rajasthan SPCB. The monitoring report is attached as Annexure VII.
xxi	For controlling fugitive dust, regular sprinkling of water in lignite handling area and other vulnerable areas of the plant shall be ensured.	Regular water sprinkling is being carried out to effectively control and minimize fugitive dust emissions.

xxii	<i>The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and may also be seen in the Website of the Ministry of Environment and Forests in the http://envfor.nic.in.</i>	The grant of EC has been published in Rajasthan Patrika Jodhpur Edition dated 19/08/2007.
xxiii	<i>A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.</i>	A dedicated environment monitoring cell is in place for implementation and monitoring of the stipulated environmental safeguards.
xxiv	<i>Half yearly report on the status of implementation of the conditions and environmental safeguards should be submitted to this Ministry, its Regional Office, CPCB and SPCB.</i>	The last six-monthly compliance report copy enclosed - Annexure IX .
xxv	<i>Regional Office of the Ministry of Environment & Forests located at Lucknow will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Management Plan along with additional information submitted to this Ministry should be forwarded to the Regional Office for their use during monitoring.</i>	Submitted.
xxvi	<i>Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.</i>	Adequate funds have been earmarked for the environmental protection measures and the same is not diverted for any other purpose.
xxvii	<i>Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Lucknow /the CPCB/the SPCB during monitoring of the project.</i>	Noted and full cooperation will be extended from time to time.

ANNEXURE - I

IGNP WATER BILL**OCTOMBER- 2025 to MARCH- 2026**

Month	Cuft/Month	Cum/Month	Cuft/day	Cusecs – Day
OCTOBER-25	74481901	2109104	2402642	27.81
NOVEMBER-25	52277854	1480352	1742595	20.17
DECEMBER-25	37546915	1063216	1211191	14.02
JANUARY-26	47737825	1351792	1539930	17.82
FEBRUARY-26	29290108	829408	1046075	12.11
MARCH-26	59484832	1684432	2124458	24.59

ANNEXURE-I

Government of Rajasthan
Indira Gandhi Nahar Project

No. _____ Date: _____

The General Manager
J.S.W Energy (Barmer) Limited
Near Saint paul school
Indira colony Barmer, Rajasthan

Sub: Raw water bill for industrial purpose for the period Oct/2025

S.No.	Particular	Reading as on 30/09/2025	Reading as on 31/10/2025	Difference as per flow meter	Qty. in CFT	Unit	Rate	Amount
1	Supply of raw water from IGMN to JSW for industrial purpose	203376896	205486000	2109104	74481901.33	/1000 cft	366.025	27262237.93
SAY RS								27262238.00

Rs.-Two Crore Seventy Two Lakh Sixty Two Thousand Two hundred Thirty Eight only

S.No. _____ Date: _____

Xen tmc dn ignp mohangarh

Assistant Engineer
Sub dn. III 28th u/c tmc dn.
IGNP Mohangarh

No. 408

Government of Rajasthan
Indira Gandhi Nahar Project

Date: 02/12/2025

The General Manager
J.S.W Energy (Barmer) Limited
Near Saint paul school
Indira colony Barmer, Rajasthan

Sub: Raw water bill for industrial purpose for the period Nov /2025

S.No.	Particular	Reading as on 31/10/2025	Reading as on 30/11/2025	Difference as per flow meter	Qty. in CFT	Unit	Rate	Amount
1	Supply of raw water from IGMN to JSW for industrial purpose	205486000	206966352	1480352	52277854.29	/1000 cft	366.025	19135001.62
SAY RS								19135002.00

Rs.-One Crore Ninety One Lakh Thirty Five Thousand Two only

S.No. _____ Date: _____

Xen tmc dn ignp mohangarh

Assistant Engineer
Sub dn. III 28th u/c tmc dn.
IGNP Mohangarh

सहायक अभियन्ता
उपखण्ड III 28 वा प्रांति
टी एम सी खण्ड
इंगानोपन मोहनगढ़
डिजिटल कोड 24859

No. 450

Government of Rajasthan
Indira Gandhi Nahar Project

Date: 01/01/2026

The General Manager
J.S.W Energy (Barmer) Limited
Near Saint paul school
Indira colony Barmer, Rajasthan

Sub: Raw water bill for industrial purpose for the period Dec /2025

S.No.	Particular	Reading as on 30/11/2025	Reading as on 31/12/2025	Difference as per flow meter	Qty. in CFT	Unit	Rate	Amount
1	Supply of raw water from IGMN to JSW for industrial purpose	206966352	208029568	1063216	37546915.28	/1000 cft	366.025	13743109.67
SAY RS								13743110.00

Rs.-One Crore Thirty Seven Lakh Forty three Thousand One hundred ten only

S.No. _____ Date: _____

Xen tmc dn ignp mohangarh

Assistant Engineer
Sub dn. III 28th u/c tmc dn.
IGNP Mohangarh

सहायक अभियन्ता
उपखण्ड III 28 वा प्रांति
टी एम सी खण्ड
इंगानोपन मोहनगढ़
डिजिटल कोड 24859

Government of Rajasthan
Indira Gandhi Nahar Project

No. 510 Date: 02/02/2026

The General Manager
J.S.W Energy (Barmer) Limited
Near Saint paul school
Indira colony Barmer, Rajasthan

Sub: Raw water bill for industrial purpose for the period Jan /2026

S.No.	Particular	Reading as on 31/12/2025	Reading as on 31/01/2026	Difference as per flow meter	Qty. in CFT	Unit	Rate	Amount
1	Supply of raw water from IGMN to JSW for industrial purpose	208029568	209381360	1351792	47737825.33	/1000 cft	366.025	17473237.52
SAY RS								17473238.00

Rs.-One Crore Seventy four Lakh Seventy three Thousand Two hundred thirty eight only

S.No. Xen tmc dn ignp mohangarh

Date:
Assistant Engineer
Sub dn. III 28th u/c tmc dn.
IGNP Mohangarh

सहायक अभियन्ता
उपखण्ड III 28 वा प्रांति
टी एम सी खण्ड
इंगानाप मोहनगढ़
दिनांक ०२/०२/२०२६

Government of Rajasthan
Indira Gandhi Nahar Project

No. 573 Date: 04/03/2026

The General Manager
J.S.W Energy (Barmer) Limited
Near Saint paul school
Indira colony Barmer, Rajasthan

Sub: Raw water bill for industrial purpose for the period Feb /2026

S.No.	Particular	Reading as on 31/01/2026	Reading as on 28/02/2026	Difference as per flow meter	Qty. in CFT	Unit	Rate	Amount
1	Supply of raw water from IGMN to JSW for industrial purpose	209381360	210210768	829408	29290108.42	/1000 cft	366.025	10720911.93
SAY RS								10720912.00

Rs.-One Crore Seven Lakh Twenty Thousand Nine hundred Twelve only

S.No. Xen tmc dn ignp mohangarh

Date:
Assistant Engineer
Sub dn. III 28th u/c tmc dn.
IGNP Mohangarh

सहायक अभियन्ता
उपखण्ड तृतीय 28 वां खण्ड
प्रा(नि) टी एम सी खण्ड
इंगानाप मोहनगढ़

Government of Rajasthan
Indira Gandhi Nahar Project

No. 602 Date: 31/03/2026

The General Manager
J.S.W Energy (Barmer) Limited
Near Saint paul school
Indira colony Barmer, Rajasthan

Sub: Raw water bill for industrial purpose for the period March/2026

S.No.	Particular	Reading as on 28/02/2026	Reading as on 31/03/2026	Difference as per flow meter	Qty. in CFT	Unit	Rate	Amount
1	Supply of raw water from IGMN to JSW for industrial purpose	210210768	211895200	1684432	59484832.43	/1000 cft	366.025	21772935.79
SAY RS								21772936.00

Rs.- Two Crore Seventeen Lakh Seventy two Thousand nine hundred thirty six only

S.No. 603 Xen tmc dn ignp mohangarh

Date: 31/03/2026
Assistant Engineer
Sub dn. III 28th u/c tmc dn.
IGNP Mohangarh

सहायक अभियन्ता
उपखण्ड तृतीय टी.एम.सी.
खण्ड इंगानाप मोहनगढ़
दिनांक ३१/०३/२०२६

ANNEXURE-II
Effluent Water Quality Oct- 2025 to Mar- 2026

SN	Parameters	UoM	CPCB Limits	Results					
				Oct	Nov	Dec	Jan	Feb	Mar
1.	pH		6.5-8.5	7.88	7.84	8.02	8.15	7.95	7.76
2.	Biochemical Oxygen Demand (BOD) @ 27Deg C for 3 days	mg/L	< 30.0	23.32	23.45	22.75	23.21	22.05	23.15
3.	Chemical Oxygen Demand (COD)	mg/L	< 250	128.3	128.25	127.25	128.21	126.78	125.41
4.	Total Kjeldhal Nitrogen as NH ₃	mg/L	< 100	17.15	17.85	20.25	18.45	19.05	18.21
5.	Free Available Chlorine	mg/L	< 0.5	BDL	BDL	BDL	BDL	BDL	BDL
6.	Oil & Grease	mg/L	< 20	BDL	BDL	2.0	BDL	BDL	BDL
7.	Copper as Cu	mg/L	< 1	BDL	BDL	0.08	BDL	BDL	BDL
8.	Zinc as Zn	mg/L	< 1	0.123	0.125	0.19	0.21	0.18	0.16
9.	Iron as Fe	mg/L	< 1	BDL	BDL	0.37	BDL	BDL	BDL
10.	Total Suspended Solid	mg/L	< 100	39.85	42.9	50.75	52.21	55.05	51.45
11.	Ammonical Nitrogen as N	mg/L	< 50	7.84	7.79	9.12	8.21	8.38	8.06
12.	Nitrate Nitrogen	mg/L	< 10	2.41	2.34	2.85	2.64	2.07	2.19
13.	Total Chromium as Cr	mg/L	< 1	BDL<0.01	BDL<0.01	BDL<0.01	BDL<0.01	BDL<0.01	BDL<0.01

COAL ANALYSIS REPORT**COAL ANALYSIS REPORT OCT, 2025 – MARCH, 2026**

	<u>AVERAGE</u>		
Month	Total Moisture	Gross Calorific Value	Sulfur
	%	Kcal/Kg	%
OCTOBER-25	40.88	2886.71	0.42
NOVEMBER-25	40.64	2875.18	0.42
DECEMBER-25	40.14	2880.15	0.42
JANUARY-26	40.26	2870.79	0.43
FEBRUARY-26	39.48	2862.73	0.43
MARCH-26	40.98	2888.70	0.42

ANNEXURE-III



भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय द्वारा स्थापित एक स्वायत्त निकाय
An autonomous body setup by Ministry of Commerce & Industry,
Government of India

Report ID: QCI/COAL/JSW/SH/MR/177
Source Name: Screenhouse (As Fired)
Consumer Name: JSW Energy, Barmer Limited

Date: 08th Nov'2025

This is to certify that the weighted average analysis parameters of Lignite Coal (As Received basis) collected from Conveyor belt feeding to Unit# 1, 2, 3, 4, 5,6,7 and 8 is mentioned below:

Month	Quantity (in Metric Tonnes)	Analysis Parameters (As Received Basis) on weighted average		
		Total Moisture %	Sulphur %	GCV "Kcal/Kg"
October'2025	502655.00	40.88	0.42	2886.71



Mr. F.C. Srivastava
Deputy Director
Finance & Accounts Division, QCI

Note:

Sampling and analysis done by Quality Council of India (QCI) with the help of its technical service provider. Weighted Average Report is based on the basis Daily analysis report analyzed by QCI.
GCV analysis has been done in accordance to BIS specification, IS 1350 (Part-II), 1970 Reaffirmed: 2017
Testing and analysis performed at NABL accredited lab.
#Total Moisture determination has been done by QCI with the help of its third-party agency at JSW Energy (Barmer) limited laboratory in accordance to BIS specification, IS 1350 (Part-I), 1984 reaffirmed:2013

QCI'S BOARDS & DIVISIONS



मुख्य कार्यालय | Head Office

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ANNEXURE-III



भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय द्वारा स्थापित एक स्वायत्त निकाय
An autonomous body setup by Ministry of Commerce & Industry,
Government of India

Report ID: QCI/COAL/JSW/SH/MR/180
Source Name: Screenhouse (As Fired)
Consumer Name: JSW Energy, Barmer Limited

Date: 09th Dec'2025

This is to certify that the weighted average analysis parameters of Lignite Coal (As Received basis) collected from Conveyor belt feeding to Unit# 1, 2, 3, 4, 5,6,7 and 8 is mentioned below:

Month	Quantity (in Metric Tonnes)	Analysis Parameters (As Received Basis) on weighted average		
		Total Moisture %	Sulphur %	GCV "Kcal/Kg"
November'2025	475559.00	40.64	0.42	2875.18



Mr. F.C. Srivastava
Deputy Director
Finance & Accounts Division, QCI

Note:

Sampling and analysis done by Quality Council of India (QCI) with the help of its technical service provider. Weighted Average Report is based on the basis Daily analysis report analyzed by QCI.

GCV analysis has been done in accordance to BIS specification, IS 1350 (Part-II), 1970 Reaffirmed: 2017

Testing and analysis performed at NABL accredited lab.

#Total Moisture determination has been done by QCI with the help of its third-party agency at JSW Energy (Barmer) limited laboratory in accordance to BIS specification, IS 1350 (Part-I), 1984 reaffirmed:2013

ANNEXURE-III



भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय द्वारा स्थापित एक स्वायत्त निकाय
An autonomous body setup by Ministry of Commerce & Industry,
Government of India

Report ID: QCI/COAL/JSW/SH/MR/183
Source Name: Screenhouse (As Fired)
Consumer Name: JSW Energy, Barmer Limited

Date: 08th Jan'2025

This is to certify that the weighted average analysis parameters of Lignite Coal (As Received basis) collected from Conveyor belt feeding to Unit# 1, 2, 3, 4, 5,6,7 and 8 is mentioned below:

Month	Quantity (in Metric Tonnes)	Analysis Parameters (As Received Basis) on weighted average		
		Total Moisture %	Sulphur %	GCV "Kcal/Kg"
December'2025	444795.00	40.14	0.42	2880.15



Mr. F.C. Srivastava
Deputy Director
Finance & Accounts Division, QCI

Note:

Sampling and analysis done by Quality Council of India (QCI) with the help of its technical service provider. Weighted Average Report is based on the basis Daily analysis report analyzed by QCI.

GCV analysis has been done in accordance to BIS specification, IS 1350 (Part-II), 1970 Reaffirmed: 2017

Testing and analysis performed at NABL accredited lab.

#Total Moisture determination has been done by QCI with the help of its third-party agency at JSW Energy (Barmer) limited laboratory in accordance to BIS specification, IS 1350 (Part-I), 1984 reaffirmed:2013

ANNEXURE-III



भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय द्वारा स्थापित एक स्वायत्त निकाय
An autonomous body setup by Ministry of Commerce & Industry,
Government of India

Report ID: QCI/COAL/JSW/SH/MR/186
Source Name: Screenhouse (As Fired)
Consumer Name: JSW Energy, Barmer Limited

Date: 11th Feb'2026

This is to certify that the weighted average analysis parameters of Lignite Coal (As Received basis) collected from Conveyor belt feeding to Unit# 1, 2, 3, 4, 5,6,7 and 8 is mentioned below:

Month	Quantity (in Metric Tonnes)	Analysis Parameters (As Received Basis) on weighted average		
		Total Moisture %	Sulphur %	GCV "Kcal/Kg"
January'2026	446249.00	40.26	0.43	2870.79



Mr. F.C. Srivastava
Deputy Director
Finance & Accounts Division, QCI

Note:

Sampling and analysis done by Quality Council of India (QCI) with the help of its technical service provider. Weighted Average Report is based on the basis Daily analysis report analyzed by QCI.
GCV analysis has been done in accordance to BIS specification, IS 1350 (Part-II), 1970 Reaffirmed: 2017
Testing and analysis performed at NABL accredited lab.
#Total Moisture determination has been done by QCI with the help of its third-party agency at JSW Energy (Barmer) limited laboratory in accordance to BIS specification, IS 1350 (Part-I), 1984 reaffirmed:2013

ANNEXURE-III



भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय द्वारा स्थापित एक स्वायत्त निकाय
An autonomous body setup by Ministry of Commerce & Industry,
Government of India

Report ID: QCI/COAL/JSW/SH/MR/189
Source Name: Screenhouse (As Fired)
Consumer Name: JSW Energy, Barmer Limited

Date: 09th Mar'2026

This is to certify that the weighted average analysis parameters of Lignite Coal (As Received basis) collected from Conveyor belt feeding to Unit# 1, 2, 3, 4, 5,6,7 and 8 is mentioned below:

Month	Quantity (in Metric Tonnes)	Analysis Parameters (As Received Basis) on weighted average		
		Total Moisture %	Sulphur %	GCV "Kcal/Kg"
February'2026	482830.00	39.48	0.43	2862.73



Mr. F.C. Srivastava
Deputy Director
Finance & Accounts Division, QCI

Note:

Sampling and analysis done by Quality Council of India (QCI) with the help of its technical service provider. Weighted Average Report is based on the basis Daily analysis report analyzed by QCI.

GCV analysis has been done in accordance to BIS specification, IS 1350 (Part-II), 1970 Reaffirmed: 2017

Testing and analysis performed at NABL accredited lab.

#Total Moisture determination has been done by QCI with the help of its third-party agency at JSW Energy (Barmer) limited laboratory in accordance to BIS specification, IS 1350 (Part-I), 1984 reaffirmed:2013

ANNEXURE-III



भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय द्वारा स्थापित एक स्वायत्त निकाय
An autonomous body setup by Ministry of Commerce & Industry,
Government of India

Report ID: QCI/COAL/JSW/SH/MR/192
Source Name: Screenhouse (As Fired)
Consumer Name: JSW Energy, Barmer Limited

Date: 07th April'2026

This is to certify that the weighted average analysis parameters of Lignite Coal (As Received basis) collected from Conveyor belt feeding to Unit# 1, 2, 3, 4, 5,6,7 and 8 is mentioned below:

Month	Quantity (in Metric Tonnes)	Analysis Parameters (As Received Basis) on weighted average		
		Total Moisture %	Sulphur %	GCV "Kcal/Kg"
March'2026	530930.00	40.98	0.42	2888.70



Mr. F.C. Srivastava
Deputy Director
Finance & Accounts Division, QCI

Note:

Sampling and analysis done by Quality Council of India (QCI) with the help of its technical service provider. Weighted Average Report is based on the basis Daily analysis report analyzed by QCI.

GCV analysis has been done in accordance to BIS specification, IS 1350 (Part-II), 1970 Reaffirmed: 2017

Testing and analysis performed at NABL accredited lab.

#Total Moisture determination has been done by QCI with the help of its third-party agency at JSW Energy (Barmer) limited laboratory in accordance to BIS specification, IS 1350 (Part-I), 1984 reaffirmed:2013

ANNEXURE-IV
STACK EMISSION MONITORING RESULTS October – 2025 to Mar – 2026
Month: Oct' 2025

SN	Parameters	UOM	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	18.89	19.92	19.00	19.37	20.52	19.47	21.05	20.51
2	Flow	Nm ³ /Sec	157.8	164.3	159.9	161.8	168.0	159.0	172.4	167.9
3	Stack Exit Temp.	0C	128	133	125	128	136	137	136	136
4	Particulate Matter	mg/Nm ₃	29.4	29.7	38.5	33.6	36.1	35.9	34.8	33.6
5	Sulphur Dioxide	mg/Nm ₃	425.0	441.6	432.0	430.5	441.7	427.2	425.7	427.5
6	Oxides of Nitrogen	mg/Nm ₃	117.3	119.3	114.2	110.4	103.2	105.2	104.1	111.3

Month: Nov' 2025

SN	Parameters	UOM	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	19.12	18.51	20.23	18.92	19.98	19.22	18.84	19.62
2	Flow	Nm ³ /Sec	160.9	153.4	168.9	158.8	165.2	157.8	155.0	161.8
3	Stack Exit Temp.	0C	125	131	128	126	132	135	134	133
4	Particulate Matter	mg/Nm ₃	28.0	27.2	36.7	34.4	35.5	36.1	36.1	34.7
5	Sulphur Dioxide	mg/Nm ₃	422.1	440.4	434.9	428.3	438.6	429.3	427.3	428.6
6	Oxides of Nitrogen	mg/Nm ₃	112.8	115.4	117.5	113.2	108.6	110.4	107.7	114.6

Month: DEC' 2025

SN	Parameters	UOM	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	19.63	18.62	20.52	19.82	19.78	20.05	S/D	20.48
2	Flow	Nm ³ /Sec	165.3	159.6	171.5	162.5	170.4	162.5		165.9
3	Stack Exit Temp.	0C	132.6	135.2	130.6	133.5	138.6	136.5		136.5
4	Particulate Matter	mg/Nm ₃	32.5	35.7	38.4	32.8	39.7	37.1	S/D	34.3
5	Sulphur Dioxide	mg/Nm ₃	456.9	458.9	463.8	453.2	463.5	418.6		435.9
6	Oxides of Nitrogen	mg/Nm ₃	114.3	135.6	135.4	115.8	110.8	130.5		135.6

ANNEXURE-IV
Month: Jan' 2026

SN	Parameters	UOM	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	18.22	18.79	17.93	17.68	19.23	18.90	18.31	18.74
2	Flow	Nm ³ /Sec C	137.6	140.6	134.8	132.3	143.6	141.5	138.3	141.2
3	Stack Exit Temp.	0C	133.9	137.9	140.6	135.9	145.6	141.2	143.8	148.4
4	Particulate Matter	mg/Nm ³	37.5	38.2	36.2	42.4	40.9	39.7	32.1	42.8
5	Sulphur Dioxide	mg/Nm ³	455.2	414.4	436.8	440.6	416.8	444.2	325.4	402.8
6	Oxides of Nitrogen	mg/Nm ³	120.1	117.6	109.6	119.8	123.4	117.8	108.6	115.5

Month: Feb' 2026

SN	Parameters	UOM	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	19.18	18.98	18.13	19.20	18.31	18.89	18.95	18.60
2	Flow	Nm ³ /Sec C	142.0	140.8	135.4	141.2	135.5	140.8	132.6	136.8
3	Stack Exit Temp.	0C	139.8	141.3	137.1	140.5	144.2	143.6	135.8	146.9
4	Particulate Matter	mg/Nm ³	38.9	40.1	39.2	41.6	37.9	42.2	35.2	36.8
5	Sulphur Dioxide	mg/Nm ³	462.3	421.9	445.2	452.1	136.2	449.2	335.7	415.4
6	Oxides of Nitrogen	mg/Nm ³	129.8	121.7	118.5	126.2	128.9	130.2	115.1	123.8

Month: Mar' 2026

SN	Parameters	UOM	Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII
1	Average Velocity	m/Sec	18.22	18.79	17.93	17.68	19.23	18.90	18.31	18.74
2	Flow	Nm ³ /Sec C	137.6	140.6	134.8	132.3	143.6	141.5	138.3	141.2
3	Stack Exit Temp.	0C	140.2	144.2	139.6	146.7	135.9	143.7	133.9	141.6
4	Particulate Matter	mg/Nm ³	41.8	39.1	36.5	43.6	42.8	38.6	34.9	40.2
5	Sulphur Dioxide	mg/Nm ³	447.9	435.8	451.7	399.8	461.9	354.9	367.9	429.1
6	Oxides of Nitrogen	mg/Nm ³	132.7	125.9	130.2	134.8	136.7	128.4	119.6	128.8

ANNEXURE-V

Ministry of Environment, Forest and Climate Change
Monthly Abstract of Ash Generation and Utilisation
(For the Period from **Oct, 2025 to March, 2026**)

Name of Thermal Power Plant: JSW Energy (Barmer) Limited-Jalipa-Kapurdi Thermal Plant
Lignite Coal Base Thermal Plant

Sl. No.	ASH GENERATION AND UTILIZATION							Mode of Ash Utilization and Utilization in Each Mode (IN LAKH TON)					
	Month	Coal consumed (Lakh Ton)	Lime Coal Consumed (Lakh Ton)	Ash content of coal (%)	Total Ash content Coal + lime (%)	Ash Generation (Lakh Ton)	Ash Utilization (Lakh Ton)	% Age Utilization	In making of Fly Ash based/ Bricks/ Tiles etc. (Lakh Ton)	In manufacture of Portland Pozzolana Cement (Lakh Ton)	In Mine filling (Lakh Ton)	In Agriculture/ Waste land Development (Lakh Ton)	Others
(1)	(2)	(3)		(4)		(5)	(6)	(7)	(8)	(9)	(15)	(16)	(17)
1	OCTOBER	5.02660	0.09676	16.54	18.23	0.91636	0.73496	80.20	0.18673	0.54820	0.000	0.000	0.0
2	NOVEMBER	4.75560	0.08801	16.56	18.19	0.86503	0.78102	90.29	0.22744	0.55360	0.000	0.000	0.0
3	DECEMBER	4.44800	0.08652	16.88	18.60	0.82709	0.84572	102.25	0.29291	0.55280	0.000	0.000	0.0
4	JANUARY	4.46250	0.09295	16.62	18.45	0.82344	0.71882	87.29	0.26803	0.45080	0.000	0.000	0.0
5	FEBRUARY	4.82830	0.12327	15.94	18.18	0.87787	0.89882	102.39	0.31114	0.58770	0.000	0.000	0.0
6	MARCH	5.30930	0.18032	14.95	17.94	0.95233	0.85628	89.91	0.21593	0.64040	0.000	0.000	0.0
TOTAL		28.8303	0.66783	16.25	18.27	5.26212	4.83562	92.06	1.50218	3.3335	0	0	0

ANNEXURE-VI

Noise Level Monitoring- Oct'2025 – Mar' 2026

SN	Month	Oct-25		Nov-25		Dec-25		Jan-26		Feb-26		Mar-26	
	Noise Levels dB (A)	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
1	MAIN GATE INSIDE	69.6	58.2	65.6	59.4	62.3	58.6	64.5	58.9	70.6	60.2	64.3	62.7
2	COOLING TOWER END	72.6	60.7	65.5	59.8	64.5	52.9	70.1	57.3	72.3	65.4	70.2	66.4
3	NORTH WEST CORNER	62.8	60.0	63.7	58.7	66.3	55.8	69.2	54.7	68.4	62.7	69.8	60.1
4	Bhadresh Village	52.4	41.0	53.2	42.4	53.1	42.8	51.5	43.6	52.8	40.9	50.7	42.3
5	Isharpura Village	50.4	42.0	51.5	42.4	51.8	44.1	53.6	41.9	51.6	43.8	49.6	40.9
6	Chuli Village	52.2	41.6	52.2	42.7	50.4	40.8	50.5	40.6	49.6	41.6	47.2	39.8

Ambient Air Quality Data- OCT, 2025 – MARCH, 2026

Month – Oct' 2025

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	36.74	18.05	28.74	0.63	12.53
2	Main Gate	35.52	6.03	36.26	0.64	27.50
3	Ash pond	16.28	15.12	30.18	0.78	12.28
4	Ishrpura Village	70.50	17.76	35.99	0.60	37.97
5	Bhadresh Village	74.86	17.80	35.88	0.56	32.20
6	Chuli Village	70.86	16.41	34.84	0.64	36.09

Month – Nov' 2025

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	36.88	18.05	28.74	0.65	12.28
2	Main Gate	33.48	6.29	36.22	0.67	29.50
3	Ash pond	17.65	5.77	30.18	0.95	11.82
4	Ishrpura Village	67.27	16.62	35.05	0.59	40.61
5	Bhadresh Village	70.12	17.02	34.65	0.53	38.47
6	Chuli Village	72.53	16.93	35.27	0.47	40.11

Month – Dec' 2025

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	40.08	18.36	28.75	0.63	16.78
2	Main Gate	38.61	5.84	36.26	0.57	30.36
3	Ash pond	26.42	10.23	30.13	0.75	14.51
4	Ishrpura Village	69.89	18.12	34.45	0.47	39.06
5	Bhadresh Village	70.43	16.97	33.21	0.52	41.36
6	Chuli Village	70.47	16.86	35.11	0.60	36.86

ANNEXURE-VII
Month – Jan' 2026

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	30.81	5.25	24.36	0.26	15.70
2	Main Gate	30.81	13.99	26.26	0.48	20.70
3	Ash pond	24.06	16.51	19.13	0.98	20.78
4	Ishrpura Village	66.68	16.18	35.68	0.70	30.76
5	Bhadresh Village	70.75	17.22	34.08	0.62	35.58
6	Chuli Village	73.10	17.45	35.85	0.44	39.35

Month – Feb' 2026

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	37.59	18.31	37.64	0.24	18.52
2	Main Gate	46.20	5.99	36.25	0.52	31.00
3	Ash pond	42.71	19.07	34.80	0.61	32.18
4	Ishrpura Village	63.86	16.30	32.20	0.57	28.34
5	Bhadresh Village	69.90	16.18	32.85	0.62	36.32
6	Chuli Village	65.29	16.27	37.04	0.56	40.39

Month – Mar' 2026

SN	Location (Avg.24 Hrs.)	PM-10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	PM-2.5 ($\mu\text{g}/\text{m}^3$)
1	Reservoir Area	31.18	4.95	22.10	0.31	13.49
2	Main Gate	31.91	15.77	26.23	0.40	17.68
3	Ash pond	33.96	28.15	12.08	0.57	17.28
4	Ishrpura Village	68.54	16.75	31.78	0.54	38.07
5	Bhadresh Village	71.54	16.01	33.53	0.52	39.71
6	Chuli Village	72.64	17.67	34.77	0.53	40.88

Environmental Expenditure

Actual anticipated - As per WO issued

Environmental Expenditure Detail (FY_2023-24, 2024-25 & 2025-26)				
Sr. No.	Particulars	Amount (Lacs) Rs.		
		2023-2024	2024-2025	2025-26
1	Effluent Treatment Plant (ETP)	44.8	46.2	59.91
2	Sewage Treatment Plant (STP)	33.2	34.2	38.24
3	Green Belt Development	94.0	104.0	79.0
4	Continuous Emission Monitoring System (CEMS) 8Nos. - (AMC, Spares & Monitoring))	26.03	51.2	40.32
5	Continuous Ambient Air Quality Monitoring System (CAAQMS) 6 Nos. -(Rent and Electricity bills for surrounding plant outside installed Three station)	10.80	11.10	11.10
6	Environmental Monitoring (annual) & Data Connectivity	14.90	15.65	15.78
7	ESP Modification	588.52	0.0	0.0
8	Lime Augmentation (Lime dosing capacity Enhancement)	0.0	4873.29	0.0
Total (Lacs) Rs.		812.25	5435.64	244.35

**Energy (Barmer) Limited**

Village & Post : Bhadresh, Post Box No. 30,

Distt : Barmer – 344001 (Rajasthan)

CIN : U31102MH1996PLC185098

Phone : +91 2982 229100

Website: www.jsw.in

Ref: JSWE(B)/ENV/25-26/021

Date: 23.12.2025

To,
Ministry of Environment Forests & Climate Change,
Integrated Regional Office,
A-209&218, Aranya Bhavan, M. G. Road,
Jaipur-304002, Rajasthan.

Sub: Compliance Report-Environmental Clearance for 1080 MW Lignite based Power Plant at Village-Bhadresh, District Barmer.

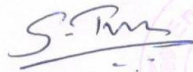
Dear Sir,

With reference to your letter No. J-13011/58/2006-IA-II (T) dated 20.07.2007 and 19.11.2009, and followed by Letter no. IV/ENV/R/Th-39/679/08/273, we herewith submit half-yearly compliance report, for the period pertaining to **April- 2025 to September- 2025**, for the conditions stipulated in the Environmental clearance issued for this Power Project. Analysis Data has uploaded on JSWEBL website – <http://www.jsw.in/energy/about-barmer-plant>.

We have taken up the Project activity at proposed site incorporating the conditions stipulated in this environmental clearance.

Thanking you.

For JSW ENERGY (BARMER) Ltd.



Sharad Chandra Totla
GM (Environment & Chemistry)

Enclosure:

- | | |
|---------------------------------|----------------|
| 1. Compliance Report | -Annexure I |
| 2. Water consumption Data | -Annexure II |
| 3. Effluent Water Data | -Annexure III |
| 4. Coal Analysis Data | -Annexure IV |
| 5. CEMS & Stack Monitoring DATA | -Annexure V |
| 6. Ash Utilization Data | -Annexure VI |
| 7. Noise Monitoring | -Annexure VII |
| 8. AAQ Monitoring Data | -Annexure VIII |
| 9. Environmental Expenditure | -Annexure IX |
| 10. Last Compliance Report | |

C.C.

The Member Secretary – Central Pollution Control Board, Delhi

The Member Secretary – RSPCB, Jaipur

The Regional Officer – RSPCB, Balotra.



Part of O.P.Jindal Group

Regd. Office : JSW Energy (BARMER) Limited, JSW Center, BKC Complex, Bandra (E), Mumbai – 400051

Jaipur Office: Office No. 2 & 3, 7th Floor, Man Upasana Plaza, C-44, Sardar Patel Marg, C-Scheme, Jaipur – 302 001 Ph : 0141 2369772 Fax 0141 2369774