

JPVL/JNSTPP/ENV/2026-27/01

Date-13.07.2026

To
The Member Secretary,
M.P. Pollution Control Board,
Parayavaran Parisar, E-5 Arera Colony
Bhopal (M.P.) - 462016

Subject: - Submission of Quarterly Ambient Air Quality, Stack Emission & Water Quality Monitoring Report for the Quarter ending June 2026 under section 21 the Air(Prevention & Control of Pollution), Act 1981 and under section 25 the Water (Prevention & Control of Pollution) Act 1974.

Dear Sir,

Please find enclosed herewith the Quarterly Ambient Air Quality, Stack Emission, Ambient Noise Level and Waste Water Quality Monitoring Reports for the quarter of April-June 2026 in respect of Jaypee Nigrie Super Thermal Power Plant (A Unit of Jaiprakash Power Ventures Ltd.), submitted in compliance with the provision of the Air (Prevention & Control of Pollution), Act 1981 and the Water (Prevention & Control of Pollution) Act 1974.

Kindly acknowledge the receipt of the same and take it on record.

Thanking You,
Yours Sincerely,

For Jaypee Nigrie Super Thermal Power Plant
(A Unit of Jaiprakash Power Ventures Ltd.)


(NA Khan)
VP (Water Chem. & Env.)

Encl: - Quarterly Air & Water monitoring Reports (April-June 2026)

CC. **Regional Officer**
M.P. Pollution Control Board,
Bhakuar, Naugadh,
District: Singrauli
(MP) - 486669

- For kind information please.

JAYPEE NIGRIE SUPER THERMAL POWER PLANT
(A Division of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT FOR THE OF MONTH: April 2026

LOCATION : Near STP -(Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	28.5	56.5	7.9	13.8	0.56
2 nd	Weekly Average	23.5	43.3	6.9	12.3	0.45
3 rd	Weekly Average	29.9	57.2	8.1	14.2	0.58
4 th	Weekly Average	24.0	47.2	8.0	12.7	0.46
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	26.4	52.3	7.6	13.7	0.58
2 nd	Weekly Average	24.4	47.3	7.3	13.1	0.51
3 rd	Weekly Average	31.5	60.2	8.4	15.0	0.64
4 th	Weekly Average	26.9	52.0	7.7	13.8	0.58
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	28.2	55.7	8.1	14.5	0.59
2 nd	Weekly Average	23.8	44.1	7.0	12.8	0.47
3 rd	Weekly Average	32.9	60.3	8.7	15.5	0.68
4 th	Weekly Average	27.3	54.2	8.1	14.4	0.57
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	29.3	57.2	8.2	15.3	0.59
2 nd	Weekly Average	26.4	51.4	7.7	14.1	0.54
3 rd	Weekly Average	33.6	64.4	9.0	16.1	0.71
4 th	Weekly Average	27.9	53.2	7.8	14.9	0.57
*NAAQS		60.0	100.0	80.0	80.0	4.0

*National Ambient Air Quality Standards

For JaypeeNigrie Super Thermal Power Plant


Authorized Signatory

JAYPEE NIGRIE SUPER THERMAL POWER PLANT
(A Division of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT FOR THE OF MONTH: May 2026

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	23.5	46.5	7.1	12.6	0.46
2 nd	Weekly Average	29.4	60.3	8.2	14.5	0.58
3 rd	Weekly Average	30.0	60.3	8.2	14.5	0.57
4 th	Weekly Average	31.4	63.2	8.0	14.7	0.61
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	24.1	49.8	7.3	13.2	0.52
2 nd	Weekly Average	29.4	60.2	8.3	15.1	0.63
3 rd	Weekly Average	30.9	62.7	8.7	15.7	0.65
4 th	Weekly Average	33.6	65.8	9.2	16.3	0.68
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	25.7	51.5	7.4	13.8	0.50
2 nd	Weekly Average	30.5	63.6	8.7	15.5	0.61
3 rd	Weekly Average	28.7	58.4	8.2	14.9	0.57
4 th	Weekly Average	35.4	68.0	9.3	16.8	0.71
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	27.4	55.3	7.9	14.3	0.56
2 nd	Weekly Average	28.9	60.3	8.7	15.6	0.65
3 rd	Weekly Average	30.5	61.7	8.8	16.0	0.68
4 th	Weekly Average	35.5	67.2	9.4	17.2	0.73
*NAAQS		60.0	100.0	80.0	80.0	4.0

*National Ambient Air Quality Standards

For JaypeeNigrie Super Thermal Power Plant

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Authorized Signatory

JAYPEE NIGRIE SUPER THERMAL POWER PLANT
(A Division of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT FOR THE OF MONTH: June 2026

LOCATION : Near STP -(Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	28.7	59.0	8.2	14.4	0.56
2 nd	Weekly Average	33.5	66.2	8.9	15.7	0.64
3 rd	Weekly Average	25.7	50.8	7.5	13.5	0.51
4 th	Weekly Average	29.8	60.0	8.0	14.6	0.58
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	27.6	52.9	8.1	14.6	0.62
2 nd	Weekly Average	35.0	69.9	9.5	16.8	0.70
3 rd	Weekly Average	26.3	51.1	7.6	13.8	0.56
4 th	Weekly Average	32.5	66.7	9.2	16.2	0.66
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	29.3	59.9	8.6	15.1	0.58
2 nd	Weekly Average	37.0	70.2	9.6	17.0	0.76
3 rd	Weekly Average	27.6	53.0	7.9	14.0	0.54
4 th	Weekly Average	33.3	61.7	9.2	16.3	0.68
*NAAQS		60.0	100.0	80.0	80.0	4.0

LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	30.7	60.6	8.9	16.3	0.70
2 nd	Weekly Average	37.9	73.6	10.0	18.3	0.81
3 rd	Weekly Average	28.7	54.4	8.2	14.8	0.62
4 th	Weekly Average	31.5	62.8	8.9	16.2	0.70
*NAAQS		60.0	100.0	80.0	80.0	4.0

*National Ambient Air Quality Standards

For JaypeeNigrie Super Thermal Power Plant


Authorized Signatory

JAYPEE NIGRIE SUPER THERMAL POWER PLANT

(A Division of Jaiprakash Power Ventures Limited)

QUARTERLY REPORT OF STACK EMISSION FROM POINT SOURCE (STACK)

Emission Monitoring report for the Period of - April 2026 to June 2026

S.NO.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLLING EQUIPMENT)	Parameters	Limits (mg/Nm ³)	AVG. CONC. (mg/Nm ³)		
				Apr-26	May-26	Jun-26
1	Unit - I (1X660 MW) - ESP	PM	50	41.09	42.04	37.45
		Nox	450*	168.35	198.03	214.01
		So2	200**	1169.92	1176.86	1187.38
2	Unit - II (1X660 MW) - ESP	PM	50	39.35	40.13	34.64
		Nox	450*	152.11	180.76	216.49
		So2	200**	1141.14	1187.34	1175.59

* (MoEF&CC Notification dated 7th December, 2015 & AMENDMENT dated 28TH JUNE, 2018 and MoEF&CC G.S.R. 682(E) dated 5th September, 2022)

** MoEF&CC Notification dated 11th July, 2025 stipulates as under :

" The So2 Emission Standards shall not be applicable to all Category-C Thermal Power Plants subject to ensuring compliance of stack height criteria notified vide notification number GSR742(E) dated 30th August, 1990 and the the timeline for ensuring compliance by the existing Category-C Thermal Power Plants of stack height criteria by 31st December, 2029"

As JNSTPP, Nigrie is already categorized under Category -C by the Task Force set up by Govt. of India in its 4th Meeting. MoM of 4th Meeting of Task Force were circulated by CPCB Office Memo. No. B-33014/7/2021/IPC-II/TPP dated 13.12.2021. Also, Our JNSTPP Nigrie fulfil the criteria of Stack Height of 275 M in line with the requirement of Stack Height Criteria notified vide notification number GSR742(E) dated 30th August, 1990. Thus, SO2 Norms as per MoEF&CC Notification dated 07th December, 2015 and subsequent amendments are not applicable to JNSTPP Nigrie.

For Jaypee Nigrie Super Thermal Power Plant


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Ambient Noise Monitoring Report for the Month of : April,2026

S.No.	Monitoring Location	Leq in dB (A).	
		Day Time (06:00 am to 10:00pm)	Night Time (10:00 pm to 06:00am)
1	Near NDCT	60.8	51.7
2	Near LDO & HFO	61.7	52.6
3	Near CGU	60.4	51.9
4	Near STP (Colony)	53.5	43.2

For Jaypee Nigrie Super Thermal Power Plant


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Ambient Noise Monitoring Report for the month of : May, 2026

S.No.	Monitoring Location	Leq in dB (A).	
		Day Time (06:00 am to 10:00pm)	Night Time (10:00 pm to 06:00am)
1	Near NDCT	53.9	49.6
2	Near LDO & HFO	54.4	51.0
3	Near CGU	54.9	51.6
4	Near STP (Colony)	53.2	42.7

For Jaypee Nigrie Super Thermal Power Plant


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JAYPEE NIGRIE SUPER THERMAL POWER PLANT

(A Division of Jaiprakash Power Ventures Limited)

Ambient Noise Monitoring Report for the month of : June,2026

S.No.	Monitoring Location	Leq in dB (A).	
		Day Time (06:00 am to 10:00pm)	Night Time (10:00 pm to 06:00am)
1	Near NDCT	53.7	48.0
2	Near LDO & HFO	54.7	50.0
3	Near CGU	55.0	49.9
4	Near STP (Colony)	52.9	42.3

For Jaypee Nigrie Super Thermal Power Plant


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JAYPEE NIGRIE SUPER THERMAL POWER PLANT
(A Division of Jaiprakash Power Ventures Limited)

QUATERLY ETP TREATED WATER ANALYSIS REPORT

Effluent Quality Monitoring Report For the Quarter of : April to June - 2026

Sr. No.	Testing Parameters	Norms as per MPPCB	Test-Method	Observed value		
				Apr-26	May-26	Jun-26
1	pH (at 25°C Temperature)	5.5 - 9.0	IS:3025(P-11)	7.15	7.32	7.27
2	TSS (mg/l)	100	IS:3025(P-17)	*BLQ(**LOQ-1.0)	*BLQ(**LOQ-1.0)	*BLQ(**LOQ-1.0)
3	BOD (mg/l) 3rd days at 27°C	30	IS:3025(P-44)	*BLQ(**LOQ-2.0)	*BLQ(**LOQ-2.0)	*BLQ(**LOQ-2.0)
4	COD (mg/l)	250	APHA 5220B Open Reflex Method	14.08	13.2	12.32
5	O & G (mg/l)	10	Clouse No-5 of IS:3025(P-39)	*BLQ(**LOQ-0.4)	*BLQ(**LOQ-0.4)	*BLQ(**LOQ-0.4)
6	TDS (mg/l)	2100	IS:3025 (P-16)	13.9	12.6	13.3
7	Chlorides (mg/l)	1000	IS:3025 (P-32)	2.95	3.37	2.77

*BLQ - Below Limit of Quantification

**LOQ - Limit of Quantification

For Jaypee Nigrie Super Thermal Power Plant


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(A Division of Jaiprakash Power Ventures Limited)

QUATERLY STP TREATED WATER ANALYSIS REPORT

Sewage Quality Monitoring Report for the Quarter of : April to June - 2026

Sr. No.	Testing Parameters	Norms as per MPPCB	Test-Method	Observed value (STP - 100 KLD)			Observed value (STP - 1000 KLD)		
				Apr-26	May-26	Jun-26	Apr-26	May-26	Jun-26
1	pH (at 25°C Temperature)	6.5 - 9.0	IS:3025 (P-11)	7.26	7.17	7.21	7.4	7.32	7.45
2	T.S.S (mg/l)	100	IS:3025 (P-17)	18.2	20.7	22.6	23.5	30.4	25.3
3	BOD (mg/l) 3rd days at 27°C	30	IS:3025 (P-44)	11.0	15.0	17.0	14.0	19.0	20.0
4	COD (mg/l)	250	APHA 5250 B Open Reflux Method	69.5	78.3	84.6	76.9	104.5	97.5
5	O & G (mg/l)	10	Clouse No-5 IS:3025 (P-39)	1.42	1.85	1.5	2.11	2.5	2.38
6	Fecal Coliform (MPN/100ml)	1000	IS:1622:1981	60.0	50.0	30.0	80.0	70.0	50.0

For Jaypee Nigrie Super Thermal Power Plant


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