

## AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED  
ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018

**JAIPRAKASH**  
POWER VENTURES LIMITED



**QUALITY**

**ENVIRONMENT**

**HEALTH & SAFETY**

Ref. No.: JPVL/Amelia/Mines/2023-24/ 171

Date: 09.11.2023

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

**Subject: Submission of Monthly Ambient Air Quality Monitoring, Noise Monitoring and Analysis Report of Waste Water & Treated Water of STP/ETP for Amelia (North) Coal Mine, Village – Majhauri, District – Singrauli (M.P.).**

Ref. : Consent No: AW-57832, Validity: 28/02/2024, Outward No: 117673, dated 10/03/2023.

Dear Sir,

Please find enclosed herewith monthly Ambient Air Quality Monitoring, Noise Monitoring and analysis reports of waste water and treated water of STP/ETP for the month of October – 2023.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

09.11.2023

(Authorized Signatory)

9.11.2023

CC to: Regional Officer, Regional Office, M.P. Pollution Control Board – Waidhan, Distt. --  
Singrauli (M.P.)

Encl.: As above.

**Site** : Amelia(North)CoalMine,Vill.Majhauri,P.O.-Bandha,Tehsil-Deosar,  
Distt. - Singrauli, Madhya Pradesh, India - 486886  
Ph.: +91 9685781707- 09, E-mail:amelianorth.jpvl@jalindia.co.in  
**Corp.Office** : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110057 (India)  
Ph.: +91(11)26141540,26147411Fax: +91(11)26145389,26143591  
**Regd.Office** : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie,  
Tehsil Sarai, District Singrauli-486669 (Madhya Pradesh)  
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020  
**Website:**www.jpvpowerventures.com**E-mail:**jpvl.investor@jalindia.co.in  
**CIN:**L40101MP1994PLC042920



**JPVL Amelia (North) Coal Mine**

**Ambient Air Quality Monitoring Reports for the month of - October - 2023**

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		µg/m3	µg/m3	µg/m3	µg/m3
02/10/2023 to 03/10/2023	At Mine Site (Mine Office) (Core Zone)	125.32	65.05	24.73	8.66
05/10/2023 to 06/10/2023	At Mine Site (Mine Office) (Core Zone)	128.47	67.26	24.98	8.75
09/10/2023 to 10/10/2023	At Mine Site (Mine Office) (Core Zone)	136.28	70.32	25.03	9.14
12/10/2023 to 13/10/2023	At Mine Site (Mine Office) (Core Zone)	134.65	69.48	24.82	8.94
16/10/2023 to 17/10/2023	At Mine Site (Mine Office) (Core Zone)	143.02	74.36	26.14	9.68
19/10/2023 to 20/10/2023	At Mine Site (Mine Office) (Core Zone)	142.56	73.22	25.40	9.37
23/10/2023 to 24/10/2023	At Mine Site (Mine Office) (Core Zone)	140.74	71.65	26.08	8.43
26/10/2023 to 27/10/2023	At Mine Site (Mine Office) (Core Zone)	145.83	76.14	27.28	9.52
<b>Average</b>		137.11	70.94	25.56	9.06
<b>Limits as per EP Rules 1986</b>		<b>360</b>	<b>180</b>	<b>80</b>	<b>80</b>



JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of October - 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		µg/m3	µg/m3	µg/m3	µg/m3	mg/cum
02/10/2023 to 03/10/2023	WTP - Township (Vill. - Majhauri)	27.24	48.16	16.02	6.95	0.42
03/10/2023 to 04/10/2023	Siyaram House (Vill. - Kunda)	25.84	45.27	11.64	4.58	0.24
03/10/2023 to 04/10/2023	Dwarika Prasad House (Vill. - Manihari)	26.78	47.35	12.82	4.96	0.27
05/10/2023 to 06/10/2023	WTP - Township (Vill. - Majhauri)	30.86	49.52	15.98	6.87	0.40
06/10/2023 to 07/10/2023	Siyaram House (Vill. - Kunda)	27.32	47.56	12.24	4.88	0.26
06/10/2023 to 07/10/2023	Dwarika Prasad House (Vill. - Manihari)	29.56	48.72	13.48	5.24	0.31
09/10/2023 to 10/10/2023	WTP - Township (Vill. - Majhauri)	33.45	52.36	16.18	7.04	0.43
10/10/2023 to 11/10/2023	Siyaram House (Vill. - Kunda)	30.28	49.75	12.37	5.66	0.29
10/10/2023 to 11/10/2023	Dwarika Prasad House (Vill. - Manihari)	32.37	51.64	14.26	6.18	0.34
12/10/2023 to 13/10/2023	WTP - Township (Vill. - Majhauri)	31.72	50.63	15.84	6.76	0.41
13/10/2023 to 14/10/2023	Siyaram House (Vill. - Kunda)	29.46	48.98	11.75	5.16	0.25

Sandy



13/10/2023 to 14/10/2023	Dwarika Prasad House (Vill. - Manihari)	30.95	50.82	13.66	5.74	0.32
16/10/2023 to 17/10/2023	WTP - Township (Vill. - Majhauri)	36.08	55.35	17.28	7.12	0.45
17/10/2023 to 18/10/2023	Siyaram House (Vill. - Kunda)	31.55	50.32	13.26	5.87	0.3
17/10/2023 to 18/10/2023	Dwarika Prasad House (Vill. - Manihari)	33.16	52.38	15.22	6.43	0.36
19/10/2023 to 20/10/2023	WTP - Township (Vill. - Majhauri)	35.62	54.28	17.06	7.02	0.44
20/10/2023 to 21/10/2023	Siyaram House (Vill. - Kunda)	33.62	52.45	14.37	6.74	0.34
20/10/2023 to 21/10/2023	Dwarika Prasad House (Vill. - Manihari)	34.02	53.24	15.42	6.56	0.38
23/10/2023 to 24/10/2023	WTP - Township (Vill. - Majhauri)	38.54	57.85	18.42	7.36	0.48
24/10/2023 to 25/10/2023	Siyaram House (Vill. - Kunda)	31.88	51.74	14.12	6.08	0.32
24/10/2023 to 25/10/2023	Dwarika Prasad House (Vill. - Manihari)	32.84	52.67	14.92	5.52	0.33
26/10/2023 to 27/10/2023	WTP - Township (Vill. - Majhauri)	37.44	56.73	18.35	7.21	0.46
27/10/2023 to 28/10/2023	Siyaram House (Vill. - Kunda)	34.73	53.61	15.38	7.06	0.39
27/10/2023 to 28/10/2023	Dwarika Prasad House (Vill. - Manihari)	35.29	54.42	16.28	7.25	0.41
<b>Average</b>		32.11	51.49	14.85	6.26	0.36
<b>NAAQS Limit</b>		<b>60</b>	<b>100</b>	<b>80</b>	<b>80</b>	<b>4</b>



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - October - 2023							
Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
		Day Time (6 am to 10 pm)	Night Time (10 pm to 06 am)	Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)	Day Time (6 am 10 pm)	Night Time (10 pm to 6 am)
05/10/2023 to 06/10/2023	At Mine Site (Mine Office) (Core Zone)	73.9	63.8	42.2	41.5	67.28	58.42
05/10/2023 to 06/10/2023	WTP - Township (Vill. - Majhali)	54.5	44.7	34.3	33.4	53.08	42.25
06/10/2023 to 07/10/2023	Siyaram House (Vill. - Kunda)	50.6	41.2	27.3	26.4	46.52	36.02
06/10/2023 to 07/10/2023	Dwarika Prasad House (Vill. - Manihari)	51.8	42.4	30.2	28.3	48.76	37.48
19/10/2023 to 20/10/2023	At Mine Site (Mine Office) (Core Zone)	74.6	64.7	43.1	40.4	66.54	56.36
19/10/2023 to 20/10/2023	WTP - Township (Vill. - Majhali)	53.7	43.8	34.2	32.6	52.82	41.16
20/10/2023 to 21/10/2023	Siyaram House (Vill. - Kunda)	49.7	40.5	26.8	25.9	45.64	35.22
20/10/2023 to 21/10/2023	Dwarika Prasad House (Vill. - Manihari)	52.3	41.9	29.5	27.2	50.94	38.18
CPCB Limit in dB(A) Leq (Industrial Area)		-	-	-	-	75	70
CPCB Limit in dB(A) Leq (Residential Area)		-	-	-	-	55	45



**JPVL Amelia (North) Coal Mine**

**Waste and Treated Water Analysis Reports for the month of - October-2023**

Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
04/10/2023	ETP - 300 KLD (Inlet)	7.85	182.44	125.32	9.87	26.5	34.56	318	30.62
04/10/2023	ETP - 300 KLD (Outlet)	7.46	50.86	23.05	<0.4	26.5	12.28	110	10.54
18/10/2023	ETP - 300 KLD (Inlet)	7.83	177.65	122.54	9.78	26.2	33.47	315	32.26
18/10/2023	ETP - 300 KLD (Outlet)	7.39	48.34	21.28	<0.4	26.2	12.06	108	11.45
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
04/10/2023	ETP - 80 KLD (Inlet)	7.89	190.38	136.35	10.67	28	32.24	328	28.46
04/10/2023	ETP - 80 KLD (Outlet)	7.48	53.25	24.38	<0.4	28	11.52	120	9.26
18/10/2023	ETP - 80 KLD (Inlet)	7.87	193.46	137.05	10.54	27.8	31.84	330	29.72
18/10/2023	ETP - 80 KLD (Outlet)	7.47	54.12	25.16	<0.4	27.8	10.94	121	8.95
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	Fecal Coliform	
		-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml	
04/10/2023	STP - 300 KLD (Inlet)	7.62	257.56	44.64	112.45	25.4	6.22	350	
04/10/2023	STP - 300 KLD (Outlet)	7.23	74.22	15.38	20.64	25.4	<0.2	40	
18/10/2023	STP - 300 KLD (Inlet)	7.67	256.32	43.75	110.28	25.2	5.54	280	
18/10/2023	STP - 300 KLD (Outlet)	7.25	72.48	14.32	18.76	25.2	<0.2	34	
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>-</b>	<b>10</b>	<b>1000</b>	


JPVL Amelia (North) Coal Mine						
Daily pH details for the month of October 2023						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/10/2023	7.86	7.45	7.82	7.41	7.68	7.29
02/10/2023	7.88	7.47	7.84	7.43	7.66	7.27
03/10/2023	7.87	7.46	7.83	7.42	7.63	7.22
04/10/2023	7.89	7.48	7.85	7.46	7.62	7.23
05/10/2023	7.88	7.47	7.86	7.44	7.65	7.25
06/10/2023	7.85	7.44	7.87	7.48	7.66	7.26
07/10/2023	7.83	7.43	7.84	7.45	7.63	7.23
08/10/2023	7.82	7.42	7.81	7.40	7.68	7.30
09/10/2023	7.86	7.45	7.83	7.42	7.66	7.25
10/10/2023	7.87	7.48	7.86	7.44	7.64	7.23
11/10/2023	7.88	7.47	7.84	7.41	7.68	7.27
12/10/2023	7.85	7.44	7.82	7.43	7.65	7.24
13/10/2023	7.90	7.49	7.83	7.42	7.60	7.21
14/10/2023	7.88	7.48	7.81	7.41	7.61	7.22
15/10/2023	7.87	7.46	7.85	7.44	7.63	7.25
16/10/2023	7.87	7.45	7.84	7.43	7.65	7.20
17/10/2023	7.85	7.44	7.86	7.45	7.66	7.27
18/10/2023	7.87	7.47	7.83	7.39	7.67	7.25
19/10/2023	7.83	7.44	7.87	7.46	7.64	7.21
20/10/2023	7.82	7.43	7.85	7.43	7.65	7.24
21/10/2023	7.86	7.45	7.84	7.42	7.67	7.26
22/10/2023	7.88	7.48	7.86	7.44	7.63	7.22
23/10/2023	7.85	7.44	7.83	7.40	7.66	7.27
24/10/2023	7.87	7.46	7.82	7.41	7.64	7.23
25/10/2023	7.89	7.49	7.84	7.42	7.62	7.25
26/10/2023	7.85	7.44	7.86	7.45	7.63	7.24
27/10/2023	7.84	7.43	7.85	7.44	7.67	7.26
28/10/2023	7.82	7.42	7.86	7.46	7.68	7.27
29/10/2023	7.86	7.45	7.83	7.42	7.64	7.28
30/10/2023	7.87	7.46	7.84	7.43	7.63	7.24
31/10/2023	7.85	7.44	7.82	7.41	7.69	7.29

Semdy



## AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED  
ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018

**JAIPRAKASH**  
POWER VENTURES LIMITED



Ref. No.: JPVL/Amelia/Mines/2023-24/ 187

Date: 12.12.2023

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

**Subject: Submission of Monthly Ambient Air Quality Monitoring, Noise Monitoring and Analysis Report of Waste Water & Treated Water of STP/ETP for Amelia (North) Coal Mine, Village – Majhauli, District – Singrauli (M.P.).**

Ref. : Consent No: AW-57832, Validity: 28/02/2024, Outward No: 117673, dated 10/03/2023.

Dear Sir,

Please find enclosed herewith monthly Ambient Air Quality Monitoring, Noise Monitoring and analysis reports of waste water and treated water of STP/ETP for the month of **November – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

**For Jaiprakash Power Ventures Ltd**

  
(Authorized Signatory)

  
12-12-2023

  
12-12-2023

CC to: Regional Officer, Regional Office, M.P. Pollution Control Board – Waidhan, Distt. – Singrauli (M.P.)

Encl.: As above.

**Site** : Amelia(North)CoalMine,Vill.Majhauli,P.O.-Bandha,Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886  
Ph.:+ 91 9685781707- 09, E-mail:amelianorth.jpvl@jalindia.co.in

**Corp.Office** : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110 057 (India)  
Ph.:+91(11)26141540,26147411Fax:+91(11)26145389,26143591

**Regd.Office** : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie, Tehsil Sarai, District Singrauli-486669 (Madhya Pradesh)  
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020  
**Website:**www.jpvpowerventures.com**E-mail:**jpvl.investor@jalindia.co.in  
**CIN:**L40101MP1994PLC042920

  
**JAYPEE**  
GROUP



**JPVL Amelia (North) Coal Mine**

**Ambient Air Quality Monitoring Reports for the month of - November - 2023**

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		µg/m3	µg/m3	µg/m3	µg/m3
06/11/2023 to 07/11/2023	At Mine Site (Mine Office) (Core Zone)	142.68	72.34	24.27	9.12
08/11/2023 to 09/11/2023	At Mine Site (Mine Office) (Core Zone)	140.21	70.34	23.86	9.04
13/11/2023 to 14/11/2023	At Mine Site (Mine Office) (Core Zone)	138.95	69.87	23.64	8.83
15/11/2023 to 16/11/2023	At Mine Site (Mine Office) (Core Zone)	141.52	71.86	24.05	8.98
20/11/2023 to 21/11/2023	At Mine Site (Mine Office) (Core Zone)	142.37	72.58	24.72	9.24
22/11/2023 to 23/11/2023	At Mine Site (Mine Office) (Core Zone)	143.08	73.12	25.06	9.32
27/11/2023 to 28/11/2023	At Mine Site (Mine Office) (Core Zone)	146.85	78.22	27.16	9.73
29/11/2023 to 30/11/2023	At Mine Site (Mine Office) (Core Zone)	145.46	77.38	26.07	9.55
<b>Average</b>		142.64	73.21	24.85	9.23
<b>Limits as per EP Rules 1986</b>		<b>360</b>	<b>180</b>	<b>80</b>	<b>80</b>



JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of November - 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		µg/m3	µg/m3	µg/m3	µg/m3	mg/cum
06/11/2023 to 07/11/2023	WTP - Township (Vill. - Majhauli)	34.52	53.24	18.36	7.22	0.43
06/11/2023 to 07/11/2023	Siyaram House (Vill. - Kunda)	31.78	51.82	14.94	5.65	0.31
06/11/2023 to 07/11/2023	Dwarika Prasad House (Vill. - Manihari)	33.41	52.18	16.25	6.36	0.34
08/11/2023 to 09/11/2023	WTP - Township (Vill. - Majhauli)	33.75	52.82	17.48	7.14	0.42
08/11/2023 to 09/11/2023	Siyaram House (Vill. - Kunda)	30.62	50.48	14.76	5.54	0.29
08/11/2023 to 09/11/2023	Dwarika Prasad House (Vill. - Manihari)	32.54	51.76	16.12	6.25	0.33
13/11/2023 to 14/11/2023	WTP - Township (Vill. - Majhauli)	36.28	55.67	18.72	7.56	0.45
13/11/2023 to 14/11/2023	Siyaram House (Vill. - Kunda)	32.43	51.96	15.37	6.18	0.32
13/11/2023 to 14/11/2023	Dwarika Prasad House (Vill. - Manihari)	35.26	54.22	17.38	7.12	0.36
15/11/2023 to 16/11/2023	WTP - Township (Vill. - Majhauli)	35.46	54.38	17.64	7.35	0.44
15/11/2023 to 16/11/2023	Siyaram House (Vill. - Kunda)	29.68	48.74	12.27	4.65	0.24



15/11/2023 to 16/11/2023	Dwarika Prasad House (Vill. - Manihari)	34.38	53.45	17.24	6.52	0.35
20/11/2023 to 21/11/2023	WTP - Township (Vill. - Majhauri)	38.64	57.54	18.92	8.16	0.49
20/11/2023 to 21/11/2023	Siyaram House (Vill. - Kunda)	30.26	49.56	12.84	4.92	0.25
20/11/2023 to 21/11/2023	Dwarika Prasad House (Vill. - Manihari)	37.82	56.34	18.53	7.65	0.38
22/11/2023 to 23/11/2023	WTP - Township (Vill. - Majhauri)	37.83	56.58	18.27	8.04	0.48
22/11/2023 to 23/11/2023	Siyaram House (Vill. - Kunda)	32.75	52.67	15.42	5.86	0.28
22/11/2023 to 23/11/2023	Dwarika Prasad House (Vill. - Manihari)	36.75	55.29	16.36	7.05	0.37
27/11/2023 to 28/11/2023	WTP - Township (Vill. - Majhauri)	39.71	59.06	19.44	8.38	0.52
27/11/2023 to 28/11/2023	Siyaram House (Vill. - Kunda)	31.84	50.93	14.52	5.28	0.27
27/11/2023 to 28/11/2023	Dwarika Prasad House (Vill. - Manihari)	38.27	57.56	18.49	8.02	0.40
29/11/2023 to 30/11/2023	WTP - Township (Vill. - Majhauri)	36.97	55.83	17.56	7.42	0.47
29/11/2023 to 30/11/2023	Siyaram House (Vill. - Kunda)	28.97	47.88	13.74	4.23	0.26
29/11/2023 to 30/11/2023	Dwarika Prasad House (Vill. - Manihari)	35.04	54.13	17.22	6.85	0.39
<b>Average</b>		34.37	53.50	16.58	6.64	0.37
<b>NAAQS Limit</b>		60	100	80	80	4



**JPVL Amelia (North) Coal Mine**

**Ambient Noise Monitoring Reports for the month of - November - 2023**

Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
		Day Time (6 am to 10 pm)	Night Time (10 pm to 06 am)	Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)	Day Time (6 am 10 pm)	Night Time (10 pm to 6 am)
06/11/2023 to 07/11/2023	At Mine Site (Mine Office) (Core Zone)	74.8	44.2	68.5	42.6	69.45	60.52
06/11/2023 to 07/11/2023	WTP - Township (Vill. - Majhauri)	53.9	33.7	42.8	32.2	53.92	41.74
07/11/2023 to 08/11/2023	Siyaram House (Vill. - Kunda)	50.9	28.1	40.8	25.3	47.22	35.16
07/11/2023 to 08/11/2023	Dwarika Prasad House (Vill. - Manihari)	52.4	32.2	43.7	28.5	49.73	38.15
20/11/2023 to 21/11/2023	At Mine Site (Mine Office) (Core Zone)	73.7	43.4	65.8	41.3	68.76	57.64
20/11/2023 to 21/11/2023	WTP - Township (Vill. - Majhauri)	54.6	32.8	43.5	30.4	52.47	40.38
21/11/2023 to 22/11/2023	Siyaram House (Vill. - Kunda)	48.7	27.5	39.6	25.4	43.48	34.82
21/11/2023 to 22/11/2023	Dwarika Prasad House (Vill. - Manihari)	51.5	30.2	44.1	29.3	48.33	39.56
<b>CPCB Limit in dB(A) Leq (Industrial Area)</b>		-	-	-	-	<b>75</b>	<b>70</b>
<b>CPCB Limit in dB(A) Leq (Residential Area)</b>		-	-	-	-	<b>55</b>	<b>45</b>



**JPVL Amelia (North) Coal Mine**

**Waste and Treated Water Analysis Reports for the month of - November-2023**

Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
07/11/2023	ETP - 300 KLD (Inlet)	7.86	185.32	128.12	10.28	27.0	32.82	310	33.54
07/11/2023	ETP - 300 KLD (Outlet)	7.44	47.28	20.75	<0.4	27.0	11.52	106	12.77
21/11/2023	ETP - 300 KLD (Inlet)	7.88	186.46	130.08	9.98	26.0	33.27	312	32.15
21/11/2023	ETP - 300 KLD (Outlet)	7.47	49.56	22.34	<0.4	26.0	11.88	109	11.92
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
07/11/2023	ETP - 80 KLD (Inlet)	7.92	194.26	142.34	10.85	26.0	31.72	332	27.48
07/11/2023	ETP - 80 KLD (Outlet)	7.52	52.36	23.57	<0.4	26.0	10.22	125	8.84
21/11/2023	ETP - 80 KLD (Inlet)	7.90	195.61	143.46	9.83	25.8	32.98	327	28.57
21/11/2023	ETP - 80 KLD (Outlet)	7.50	53.18	24.45	<0.4	25.8	10.84	118	9.06
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	Fecal Coliform	
		-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml	
07/11/2023	STP - 300 KLD (Inlet)	7.68	255.24	43.56	108.07	25.7	5.45	240	
07/11/2023	STP - 300 KLD (Outlet)	7.28	68.32	14.27	16.84	25.7	<0.2	30	
21/11/2023	STP - 300 KLD (Inlet)	7.69	258.47	45.76	112.24	25.6	6.32	280	
21/11/2023	STP - 300 KLD (Outlet)	7.29	70.58	15.06	18.35	25.6	<0.2	40	
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>-</b>	<b>10</b>	<b>1000</b>	



**JPVL Amelia (North) Coal Mine**

**Daily pH details for the month of November 2023**

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/11/2023	7.87	7.46	7.84	7.42	7.69	7.28
02/11/2023	7.89	7.48	7.86	7.44	7.68	7.26
03/11/2023	7.88	7.47	7.85	7.43	7.65	7.24
04/11/2023	7.90	7.49	7.87	7.45	7.67	7.25
05/11/2023	7.89	7.48	7.90	7.50	7.64	7.22
06/11/2023	7.91	7.51	7.88	7.49	7.66	7.23
07/11/2023	7.92	7.52	7.86	7.44	7.68	7.28
08/11/2023	7.88	7.47	7.87	7.46	7.67	7.24
09/11/2023	7.89	7.48	7.85	7.43	7.65	7.22
10/11/2023	7.87	7.46	7.84	7.42	7.69	7.29
11/11/2023	7.90	7.49	7.88	7.47	7.66	7.24
12/11/2023	7.88	7.47	7.86	7.45	7.68	7.27
13/11/2023	7.89	7.49	7.87	7.46	7.64	7.23
14/11/2023	7.92	7.52	7.85	7.43	7.65	7.22
15/11/2023	7.91	7.51	7.88	7.46	7.67	7.26
16/11/2023	7.90	7.49	7.92	7.51	7.68	7.27
17/11/2023	7.87	7.48	7.89	7.47	7.69	7.28
18/11/2023	7.86	7.47	7.90	7.50	7.64	7.22
19/11/2023	7.88	7.49	7.87	7.46	7.65	7.23
20/11/2023	7.89	7.51	7.86	7.45	7.66	7.24
21/11/2023	7.90	7.50	7.88	7.47	7.69	7.29
22/11/2023	7.92	7.52	7.85	7.42	7.68	7.27
23/11/2023	7.91	7.49	7.87	7.46	7.67	7.26
24/11/2023	7.88	7.47	7.90	7.49	7.69	7.28
25/11/2023	7.87	7.46	7.89	7.42	7.65	7.24
26/11/2023	7.86	7.45	7.85	7.44	7.66	7.25
27/11/2023	7.89	7.48	7.88	7.47	7.64	7.23
28/11/2023	7.90	7.49	7.86	7.45	7.68	7.27
29/11/2023	7.88	7.47	7.87	7.46	7.64	7.28
30/11/2023	7.91	7.51	7.89	7.49	7.67	7.26



## AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED

ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018



QUALITY



ENVIRONMENT



HEALTH & SAFETY

**JAIPRAKASH**  
POWER VENTURES LIMITED

Ref. No.: JPVL/Amelia/Mines/2023-24/ 203

Date: 11.01.2024

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

**Subject: Submission of Monthly Ambient Air Quality Monitoring, Noise Monitoring and Analysis Report of Waste Water & Treated Water of STP/ETP for Amelia (North) Coal Mine, Village – Majhauri, District – Singrauli (M.P.).**

Ref. : Consent No: AW-57832, Validity: 28/02/2024, Outward No: 117673, dated 10/03/2023.

Dear Sir,

Please find enclosed herewith monthly Ambient Air Quality Monitoring, Noise Monitoring and analysis reports of waste water and treated water of STP/ETP for the month of **December – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

*Sandip*  
11.01.2024

*Amrakesh*  
11.01.2024

CC to: Regional Officer, Regional Office, M.P. Pollution Control Board – Waidhan, Distt. – Singrauli (M.P.)

Encl.: As above.

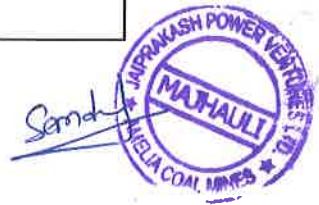
**Site** : Amelia(North)CoalMine,Vill.Majhauri,P.O.-Bandha,Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886  
Ph.: +91 9685781707-09, E-mail:amelianorth.jpvl@jalindia.co.in  
**Corp.Office** : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110 057 (India)  
Ph.: +91(11)26141540,26147411 Fax: +91(11)26145389,26143591  
**Regd.Office** : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie, Tehsil Sarai, District Singrauli-486669 (Madhya Pradesh)  
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020  
**Website:**www.jppowerventures.com**E-mail:**jpvl.investor@jalindia.co.in  
CIN:L40101MP1994PLC042920

**JAYPEE**  
GROUP

**JPVL Amelia (North) Coal Mine**

**Ambient Air Quality Monitoring Reports for the month of - December - 2023**

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		µg/m3	µg/m3	µg/m3	µg/m3
04/12/2023 to 05/12/2023	At Mine Site (Mine Office) (Core Zone)	144.06	76.25	26.72	9.67
07/12/2023 to 08/12/2023	At Mine Site (Mine Office) (Core Zone)	132.47	65.68	22.15	7.82
11/12/2023 to 12/12/2023	At Mine Site (Mine Office) (Core Zone)	135.28	67.35	24.54	8.76
14/12/2023 to 15/12/2023	At Mine Site (Mine Office) (Core Zone)	138.65	70.14	25.33	9.05
18/12/2023 to 19/12/2023	At Mine Site (Mine Office) (Core Zone)	143.52	75.47	25.65	9.84
21/12/2023 to 22/12/2023	At Mine Site (Mine Office) (Core Zone)	140.34	72.52	23.48	8.95
25/12/2023 to 26/12/2023	At Mine Site (Mine Office) (Core Zone)	145.76	78.21	27.82	10.12
28/12/2023 to 29/12/2023	At Mine Site (Mine Office) (Core Zone)	142.35	74.08	23.27	9.43
<b>Average</b>		140.30	72.46	24.87	9.21
<b>Limits as per EP Rules 1986</b>		<b>360</b>	<b>180</b>	<b>80</b>	<b>80</b>





JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of December - 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		µg/m3	µg/m3	µg/m3	µg/m3	mg/cum
04/12/2023 to 05/12/2023	WTP - Township (Vill. - Majhauli)	35.26	54.78	18.32	7.43	0.44
04/12/2023 to 05/12/2023	Siyaram House (Vill. - Kunda)	32.54	51.23	14.72	6.38	0.3
04/12/2023 to 05/12/2023	Dwarika Prasad House (Vill. - Manihari)	34.18	53.27	17.35	7.02	0.41
07/12/2023 to 08/12/2023	WTP - Township (Vill. - Majhauli)	30.54	48.26	14.65	6.32	0.38
07/12/2023 to 08/12/2023	Siyaram House (Vill. - Kunda)	26.32	45.28	12.05	5.16	0.2
07/12/2023 to 08/12/2023	Dwarika Prasad House (Vill. - Manihari)	28.36	46.52	13.24	6.15	0.32
11/12/2023 to 12/12/2023	WTP - Township (Vill. - Majhauli)	32.44	50.35	15.87	7.16	0.4
11/12/2023 to 12/12/2023	Siyaram House (Vill. - Kunda)	27.22	46.45	12.18	5.34	0.22
11/12/2023 to 12/12/2023	Dwarika Prasad House (Vill. - Manihari)	30.83	49.36	13.48	6.52	0.34
14/12/2023 to 15/12/2023	WTP - Township (Vill. - Majhauli)	31.65	49.82	14.24	6.98	0.39
14/12/2023 to 15/12/2023	Siyaram House (Vill. - Kunda)	28.45	47.82	12.56	5.67	0.23



14/12/2023 to 15/12/2023	Dwarika Prasad House (Vill. - Manihari)	29.78	48.64	13.32	6.23	0.31
18/12/2023 to 19/12/2023	WTP - Township (Vill. - Majhauri)	34.38	53.47	17.56	7.25	0.42
18/12/2023 to 19/12/2023	Siyaram House (Vill. - Kunda)	30.68	50.36	13.25	6.12	0.28
18/12/2023 to 19/12/2023	Dwarika Prasad House (Vill. - Manihari)	33.54	52.47	14.05	7.18	0.35
21/12/2023 to 22/12/2023	WTP - Township (Vill. - Majhauri)	36.72	55.64	18.28	8.06	0.45
21/12/2023 to 22/12/2023	Siyaram House (Vill. - Kunda)	32.87	52.64	13.52	6.75	0.26
21/12/2023 to 22/12/2023	Dwarika Prasad House (Vill. - Manihari)	34.45	53.78	14.86	7.34	0.33
25/12/2023 to 26/12/2023	WTP - Township (Vill. - Majhauri)	38.96	59.53	19.42	8.64	0.48
25/12/2023 to 26/12/2023	Siyaram House (Vill. - Kunda)	33.96	53.55	14.37	6.88	0.32
25/12/2023 to 26/12/2023	Dwarika Prasad House (Vill. - Manihari)	35.62	54.85	15.73	7.56	0.37
28/12/2023 to 29/12/2023	WTP - Township (Vill. - Majhauri)	37.87	56.91	18.73	7.52	0.46
28/12/2023 to 29/12/2023	Siyaram House (Vill. - Kunda)	35.73	54.97	15.44	7.33	0.25
28/12/2023 to 29/12/2023	Dwarika Prasad House (Vill. - Manihari)	36.27	55.03	15.82	7.68	0.36
<b>Average</b>		32.86	51.87	15.13	6.86	0.34
<b>NAAQS Limit</b>		60	100	80	80	4



**JPVL Amelia (North) Coal Mine**

**Ambient Noise Monitoring Reports for the month of - December - 2023**

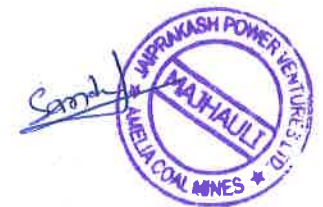
Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
		Day Time (6 am to 10 pm)	Night Time (10 pm to 06 am)	Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)	Day Time (6 am 10 pm)	Night Time (10 pm to 6 am)
04/12/2023 to 05/12/2023	At Mine Site (Mine Office) (Core Zone)	72.4	64.6	45.5	41.1	65.34	59.41
04/12/2023 to 05/12/2023	WTP - Township (Vill. - Majhauri)	52.4	42.7	39.6	35.3	51.86	40.20
05/12/2023 to 06/12/2023	Siyaram House (Vill. - Kunda)	53.3	41.8	35.2	32.5	45.30	36.60
05/12/2023 to 06/12/2023	Dwarika Prasad House (Vill. - Manihari)	53.7	42.5	34.6	32.7	47.97	37.20
18/12/2023 to 19/12/2023	At Mine Site (Mine Office) (Core Zone)	73.2	63.9	42.3	40.4	63.55	58.69
18/12/2023 to 19/12/2023	WTP - Township (Vill. - Majhauri)	54.1	43.6	38.5	34.9	52.23	41.04
19/12/2023 to 20/12/2023	Siyaram House (Vill. - Kunda)	50.6	42.2	29.3	30.6	44.58	35.45
18/12/2023 to 19/12/2023	Dwarika Prasad House (Vill. - Manihari)	52.8	43.3	33.5	31.4	46.50	36.07
<b>CPCB Limit in dB(A) Leq (Industrial Area)</b>		-	-	-	-	<b>75</b>	<b>70</b>
<b>CPCB Limit in dB(A) Leq (Residential Area)</b>		-	-	-	-	<b>55</b>	<b>45</b>



**JPVL Amelia (North) Coal Mine**

**Waste and Treated Water Analysis Reports for the month of - December-2023**

Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
05/12/2023	ETP - 300 KLD (Inlet)	7.89	187.45	132.27	9.74	25.60	33.28	316.00	34.62
05/12/2023	ETP - 300 KLD (Outlet)	7.48	48.32	22.74	<0.4	25.60	12.45	112.00	11.06
19/12/2023	ETP - 300 KLD (Inlet)	7.87	184.56	127.35	9.62	25.20	32.94	308.00	33.44
19/12/2023	ETP - 300 KLD (Outlet)	7.46	48.58	20.42	<0.4	25.20	11.65	105.00	9.73
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
05/12/2023	ETP - 80 KLD (Inlet)	7.85	193.08	140.52	10.47	25.40	34.83	324.00	30.56
05/12/2023	ETP - 80 KLD (Outlet)	7.45	50.24	21.38	<0.4	25.40	10.62	124.00	9.75
19/12/2023	ETP - 80 KLD (Inlet)	7.91	196.37	144.62	10.75	25.00	31.54	336.00	32.88
19/12/2023	ETP - 80 KLD (Outlet)	7.51	54.22	23.05	<0.4	25.00	10.28	128.00	10.37
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	Fecal Coliform	
		-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml	
05/12/2023	STP - 300 KLD (Inlet)	7.66	257.65	44.82	115.34	26.00	4.57	220.00	
05/12/2023	STP - 300 KLD (Outlet)	7.26	69.05	14.62	17.23	26.00	<0.2	50.00	
19/12/2023	STP - 300 KLD (Inlet)	7.60	256.32	42.86	110.45	25.80	5.14	280.00	
19/12/2023	STP - 300 KLD (Outlet)	7.20	66.74	13.52	16.26	25.80	<0.2	40.00	
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>-</b>	<b>10</b>	<b>1000</b>	



**JPVL Amelia (North) Coal Mine**

**Daily pH details for the month of December 2023**

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/12/2023	7.88	7.47	7.85	7.43	7.66	7.24
02/12/2023	7.90	7.50	7.87	7.45	7.64	7.23
03/12/2023	7.87	7.48	7.86	7.44	7.67	7.25
04/12/2023	7.89	7.49	7.88	7.46	7.65	7.24
05/12/2023	7.85	7.45	7.89	7.48	7.66	7.26
06/12/2023	7.90	7.50	7.87	7.45	7.68	7.27
07/12/2023	7.91	7.51	7.88	7.47	7.64	7.23
08/12/2023	7.88	7.48	7.86	7.44	7.65	7.25
09/12/2023	7.87	7.46	7.85	7.43	7.63	7.22
10/12/2023	7.91	7.51	7.89	7.49	7.62	7.21
11/12/2023	7.92	7.52	7.87	7.46	7.68	7.27
12/12/2023	7.89	7.48	7.85	7.44	7.67	7.26
13/12/2023	7.90	7.50	7.88	7.48	7.65	7.24
14/12/2023	7.91	7.51	7.86	7.47	7.66	7.25
15/12/2023	7.92	7.52	7.89	7.49	7.69	7.28
16/12/2023	7.89	7.49	7.85	7.42	7.67	7.26
17/12/2023	7.88	7.48	7.90	7.50	7.68	7.27
18/12/2023	7.87	7.46	7.89	7.49	7.65	7.24
19/12/2023	7.91	7.51	7.87	7.46	7.60	7.20
20/12/2023	7.90	7.50	7.88	7.47	7.62	7.21
21/12/2023	7.92	7.52	7.89	7.49	7.64	7.23
22/12/2023	7.89	7.48	7.86	7.45	7.66	7.25
23/12/2023	7.87	7.46	7.84	7.43	7.65	7.24
24/12/2023	7.88	7.47	7.85	7.44	7.63	7.22
25/12/2023	7.92	7.51	7.88	7.48	7.64	7.23
26/12/2023	7.90	7.49	7.87	7.46	7.62	7.21
27/12/2023	7.88	7.47	7.89	7.49	7.67	7.26
28/12/2023	7.91	7.50	7.84	7.42	7.66	7.25
29/12/2023	7.89	7.48	7.86	7.45	7.68	7.27
30/12/2023	7.92	7.51	7.88	7.47	7.64	7.23
31/12/2023	7.90	7.49	7.89	7.48	7.65	7.24

## AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED  
ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018

**JAIPRAKASH**  
POWER VENTURES LIMITED



Ref. No.: JPVL/Amelia/Mines/2023-24/ 223

Date: 10.02.2024

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

**Subject: Submission of Monthly Ambient Air Quality Monitoring, Noise Monitoring and Analysis Report of Waste Water & Treated Water of STP/ETP for Amelia (North) Coal Mine, Village – Majhauli, District – Singrauli (M.P.).**

Ref. : Consent No: AW-57832, Validity: 28/02/2024, Outward No: 117673, dated 10/03/2023.

Dear Sir,

Please find enclosed herewith monthly Ambient Air Quality Monitoring, Noise Monitoring and analysis reports of waste water and treated water of STP/ETP for the month of **January – 2024**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

**For Jaiprakash Power Ventures Ltd**

10/02/24

(Authorized Signatory)

10.02.2024

10.02.2024

CC to: Regional Officer, Regional Office, M.P. Pollution Control Board – Waidhan, Distt. – Singrauli (M.P.)

Encl.: As above.

**Site** : Amelia(North)CoalMine,Vill.Majhauli,P.O.-Bandha,Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886  
Ph.: +91 9685781707-09, E-mail:amelianorth.jpvl@jalindia.co.in

**Corp.Office** : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110 057 (India)  
Ph.: +91(11)26141540,26147411Fax: +91(11)26145389,26143591

**Regd.Office** : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie, Tehsil Sarai, District Singrauli-486669 (Madhya Pradesh)  
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020  
**Website:**www.jppowerventures.com**E-mail:**jpvl.investor@jalindia.co.in  
**CIN:**L40101MP1994PLC042920

JPVL Amelia (North) Coal Mine					
Ambient Air Quality Monitoring Reports for the month of - January-2024					
Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		µg/m3	µg/m3	µg/m3	µg/m3
01/01/2024 to 02/01/2024	At Mine Site (Mine Office) (Core Zone)	132.12	74.15	24.89	9.21
04/01/2024 to 05/01/2024	At Mine Site (Mine Office) (Core Zone)	127.12	62.87	24.15	7.17
08/01/2024 to 09/01/2024	At Mine Site (Mine Office) (Core Zone)	124.56	64.12	22.89	8.46
11/01/2024 to 12/01/2024	At Mine Site (Mine Office) (Core Zone)	131.47	72.56	27.14	9.23
15/01/2024 to 16/01/2024	At Mine Site (Mine Office) (Core Zone)	152.07	79.61	27.84	10.23
18/01/2024 to 19/01/2024	At Mine Site (Mine Office) (Core Zone)	158.14	75.23	24.78	8.23
22/01/2024 to 23/01/2024	At Mine Site (Mine Office) (Core Zone)	132.18	79.67	28.26	9.31
25/01/2024 to 26/01/2024	At Mine Site (Mine Office) (Core Zone)	144.78	79.14	25.26	9.78
29/01/2024 to 30/01/2024	At Mine Site (Mine Office) (Core Zone)	146.73	75.04	26.78	9.85
<b>Average</b>		138.80	73.60	25.78	9.05
<b>Limits as per EP Rules 1986</b>		<b>360</b>	<b>180</b>	<b>80</b>	<b>80</b>

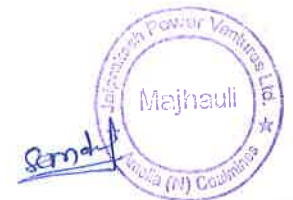
Sandy



**JPVL Amelia (North) Coal Mine**

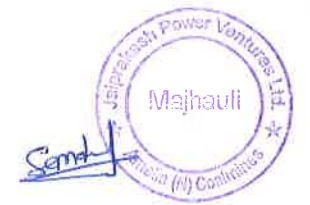
**Ambient Air Quality Monitoring Reports for the month of January-2024**

Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		µg/m3	µg/m3	µg/m3	µg/m3	mg/cum
01/01/2024 to 02/01/2024	WTP - Township (Vill. - Majhauri)	38.79	56.17	19.36	7.27	0.49
01/01/2024 to 02/01/2024	Siyaram House (Vill. - Kunda)	34.26	53.10	16.21	6.13	0.34
01/01/2024 to 02/01/2024	Dwarika Prasad House (Vill. - Manihari)	36.98	52.14	18.45	7.23	0.46
04/01/2024 to 05/01/2024	WTP - Township (Vill. - Majhauri)	32.17	52.69	16.14	6.27	0.42
04/01/2024 to 05/01/2024	Siyaram House (Vill. - Kunda)	29.65	47.11	10.23	5.47	0.26
04/01/2024 to 05/01/2024	Dwarika Prasad House (Vill. - Manihari)	27.45	45.99	14.23	6.47	0.39
08/01/2024 to 09/01/2024	WTP - Township (Vill. - Majhauri)	34.21	54.89	14.27	7.56	0.44
08/01/2024 to 09/01/2024	Siyaram House (Vill. - Kunda)	28.56	43.12	16.89	5.41	0.29
08/01/2024 to 09/01/2024	Dwarika Prasad House (Vill. - Manihari)	33.55	54.96	14.11	6.89	0.37
11/01/2024 to 12/01/2024	WTP - Township (Vill. - Majhauri)	33.59	46.27	12.19	6.56	0.41
11/01/2024 to 12/01/2024	Siyaram House (Vill. - Kunda)	31.56	51.74	13.65	5.78	0.29
11/01/2024 to 12/01/2024	Dwarika Prasad House (Vill. - Manihari)	35.14	56.98	15.17	6.56	0.39



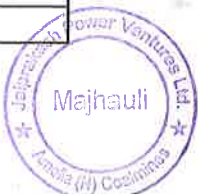


15/01/2024 to 16/01/2024	WTP - Township (Vill. - Majhauri)	37.65	58.91	19.22	7.12	0.48
15/01/2024 to 16/01/2024	Siyaram House (Vill. - Kunda)	34.89	54.06	16.65	6.78	0.32
15/01/2024 to 16/01/2024	Dwarika Prasad House (Vill. - Manihari)	39.23	57.12	15.26	7.48	0.39
18/01/2024 to 19/01/2024	WTP - Township (Vill. - Majhauri)	38.97	57.15	21.3	8.78	0.52
18/01/2024 to 19/01/2024	Siyaram House (Vill. - Kunda)	37.56	58.95	16.23	6.49	0.28
18/01/2024 to 19/01/2024	Dwarika Prasad House (Vill. - Manihari)	37.89	59.37	16.2	7.26	0.33
22/01/2024 to 23/01/2024	WTP - Township (Vill. - Majhauri)	39.56	54.12	23.78	8.54	0.53
22/01/2024 to 23/01/2024	Siyaram House (Vill. - Kunda)	36.89	56.12	18.65	6.14	0.37
22/01/2024 to 23/01/2024	Dwarika Prasad House (Vill. - Manihari)	34.45	56.78	16.89	7.12	0.38
25/01/2024 to 26/01/2024	WTP - Township (Vill. - Majhauri)	38.23	58.47	23.26	7.45	0.50
25/01/2024 to 26/01/2024	Siyaram House (Vill. - Kunda)	33.54	53.65	14.23	7.01	0.28
25/01/2024 to 26/01/2024	Dwarika Prasad House (Vill. - Manihari)	35.6	56.38	15.57	7.23	0.43
29/01/2024 to 30/01/2024	WTP - Township (Vill. - Majhauri)	36.79	53.12	24.52	8.74	0.47
29/01/2024 to 30/01/2024	Siyaram House (Vill. - Kunda)	31.73	50.42	13.02	5.96	0.26
29/01/2024 to 30/01/2024	Dwarika Prasad House (Vill. - Manihari)	35.64	52.78	14.89	7.32	0.41
<b>Average</b>		34.98	53.80	16.69	6.93	0.39
<b>NAAQS Limit</b>		<b>60</b>	<b>100</b>	<b>80</b>	<b>80</b>	<b>4</b>



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - January-2024							
Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
		Day Time (6 am to 10 pm)	Night Time (10 pm to 06 am)	Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)	Day Time (6 am 10 pm)	Night Time (10 pm to 6 am)
01/01/2024 to 02/01/2024	At Mine Site (Mine Office) (Core Zone)	73.7	66.1	43.2	40.9	62.65	60.48
01/01/2024 to 02/01/2024	WTP - Township (Vill. - Majhauri)	54.7	41.9	37.1	36.8	50.96	42.48
02/01/2024 to 03/01/2024	Siyaram House (Vill. - Kunda)	53.5	40.6	36.7	33.8	44.10	38.15
02/01/2024 to 03/01/2024	Dwarika Prasad House (Vill. - Manihari)	54.3	43.6	32.9	31.7	45.14	38.26
15/01/2024 to 16/01/2024	At Mine Site (Mine Office) (Core Zone)	72.9	65.4	43.6	41.5	64.89	58.21
15/01/2024 to 16/01/2024	WTP - Township (Vill. - Majhauri)	52.9	43.4	36.3	35.6	51.82	39.23
16/01/2024 to 17/01/2024	Siyaram House (Vill. - Kunda)	52.6	42.8	32.5	31.2	45.82	37.65
16/01/2024 to 17/01/2024	Dwarika Prasad House (Vill. - Manihari)	53.2	44.1	33.9	30.6	43.60	35.05
<b>CPCB Limit in dB(A) Leq (Industrial Area)</b>		-	-	-	-	<b>75</b>	<b>70</b>
<b>CPCB Limit in dB(A) Leq (Residential Area)</b>		-	-	-	-	<b>55</b>	<b>45</b>

Sermy



**JPVL Amelia (North) Coal Mine**

**Waste and Treated Water Analysis Reports for the month of - Jan-2024**

Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
03/01/2024	ETP - 300 KLD (Inlet)	7.88	178.65	126.00	9.45	26.20	35.00	312.00	32.56
03/01/2024	ETP - 300 KLD (Outlet)	7.47	46.59	20.00	<0.4	26.20	13.00	104.00	13.24
17/01/2024	ETP - 300 KLD (Inlet)	7.86	173.21	131.00	9.23	25.80	37.00	323.00	30.12
17/01/2024	ETP - 300 KLD (Outlet)	7.42	45.23	22.00	<0.4	25.80	11.00	108.00	9.57
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
03/01/2024	ETP - 80 KLD (Inlet)	7.92	184.28	152.00	12.21	26.00	38.00	317.00	31.20
03/01/2024	ETP - 80 KLD (Outlet)	7.52	51.78	23.00	<0.4	26.00	14.00	132.00	10.45
17/01/2024	ETP - 80 KLD (Inlet)	7.90	180.56	145.00	11.37	25.40	34.00	321.00	30.05
17/01/2024	ETP - 80 KLD (Outlet)	7.50	56.02	21.00	<0.4	25.40	12.00	121.00	8.76
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	Fecal Coliform	
		-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml	
03/01/2024	STP - 300 KLD (Inlet)	7.69	246.23	41.00	123.00	25.00	5.16	220.00	
03/01/2024	STP - 300 KLD (Outlet)	7.27	65.69	15.00	16.00	25.00	<0.2	30.00	
17/01/2024	STP - 300 KLD (Inlet)	7.72	241.58	44.00	121.00	25.70	5.22	240.00	
17/01/2024	STP - 300 KLD (Outlet)	7.30	63.61	14.00	15.00	25.70	<0.2	34.00	
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>-</b>	<b>10</b>	<b>1000</b>	

*Samir*



JPVL Amelia (North) Coal Mine						
Daily pH details for the month of January 2024						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/01/2024	7.89	7.48	7.86	7.44	7.67	7.25
02/01/2024	7.91	7.51	7.89	7.48	7.65	7.22
03/01/2024	7.92	7.52	7.88	7.47	7.69	7.27
04/01/2024	7.90	7.50	7.87	7.45	7.66	7.26
05/01/2024	7.86	7.46	7.90	7.49	7.68	7.25
06/01/2024	7.91	7.51	7.88	7.46	7.67	7.24
07/01/2024	7.92	7.52	7.89	7.48	7.65	7.21
08/01/2024	7.89	7.49	7.87	7.45	7.64	7.23
09/01/2024	7.88	7.47	7.86	7.44	7.62	7.20
10/01/2024	7.92	7.52	7.90	7.40	7.63	7.22
11/01/2024	7.93	7.53	7.88	7.47	7.69	7.28
12/01/2024	7.90	7.49	7.86	7.45	7.68	7.27
13/01/2024	7.91	7.51	7.89	7.49	7.66	7.25
14/01/2024	7.92	7.52	7.87	7.48	7.67	7.26
15/01/2024	7.93	7.53	7.90	7.50	7.70	7.29
16/01/2024	7.89	7.48	7.91	7.51	7.68	7.27
17/01/2024	7.90	7.50	7.86	7.42	7.72	7.30
18/01/2024	7.88	7.47	7.90	7.50	7.69	7.28
19/01/2024	7.92	7.52	7.88	7.47	7.67	7.25
20/01/2024	7.90	7.51	7.89	7.48	7.63	7.22
21/01/2024	7.88	7.47	7.90	7.50	7.65	7.24
22/01/2024	7.90	7.49	7.87	7.46	7.68	7.27
23/01/2024	7.89	7.48	7.85	7.44	7.66	7.25
24/01/2024	7.87	7.46	7.86	7.45	7.70	7.29
25/01/2024	7.91	7.51	7.89	7.49	7.72	7.32
26/01/2024	7.92	7.52	7.88	7.47	7.69	7.30
27/01/2024	7.89	7.49	7.90	7.50	7.68	7.28
28/01/2024	7.90	7.50	7.85	7.43	7.67	7.26
29/01/2024	7.88	7.47	7.87	7.46	7.66	7.24
30/01/2024	7.91	7.51	7.89	7.49	7.72	7.32
31/01/2024	7.89	7.47	7.88	7.48	7.70	7.30



## AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED  
ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018



**JAIPRAKASH**  
POWER VENTURES LIMITED

Ref. No.: JPVL/Amelia/Mines/2023-24/ 236

Date: 09.03.2024

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

Subject: Submission of Monthly Ambient Air Quality Monitoring, Noise Monitoring and Analysis Report of Waste Water & Treated Water of STP/ETP for Amelia (North) Coal Mine, Village – Majhauri, District – Singrauli (M.P.).

Ref. : Consent No: AW-57832, Validity: 28/02/2024, Outward No: 117673, dated 10/03/2023.

Dear Sir,

Please find enclosed herewith monthly Ambient Air Quality Monitoring, Noise Monitoring and analysis reports of waste water and treated water of STP/ETP for the month of **February – 2024**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

Copy  
9.03.2024  
09.03.2024

CC to: Regional Officer, Regional Office, M.P. Pollution Control Board – Waidhan, Distt. – Singrauli (M.P.)

Encl.: As above.

Site : Amelia(North)CoalMine,Vill.Majhauri,P.O.-Bandha,Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886  
Ph.: +91 9685781707- 09, E-mail:amelianorth.jpvl@jalindia.co.in  
Corp.Office : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110057 (India)  
Ph.: +91(11)26141540,26147411 Fax: +91(11)26145389,26143591  
Regd.Office : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie, Tehsil Saral, District Singrauli-486669 (Madhya Pradesh)  
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020  
Website:www.jppowerventures.com E-mail:jpvl.investor@jalindia.co.in  
CIN:L40101MP1994PLC042920

**JAYPEE**  
GROUP

**JPVL Amelia (North) Coal Mine**

**Waste and Treated Water Analysis Reports for the month of - Feb-2024**

Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
06/02/2024	ETP - 300 KLD (Inlet)	7.85	176.26	125.00	9.36	26.50	32.00	310.00	28.74
06/02/2024	ETP - 300 KLD (Outlet)	7.43	45.82	18.00	<0.4	26.50	9.10	105.00	8.26
20/02/2024	ETP - 300 KLD (Inlet)	7.82	178.35	135.00	10.54	26.00	40.00	325.00	29.07
20/02/2024	ETP - 300 KLD (Outlet)	7.40	47.28	24.00	<0.4	26.00	9.80	112.00	9.35
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
06/02/2024	ETP - 80 KLD (Inlet)	7.89	182.43	150.00	10.30	25.80	33.00	315.00	30.54
06/02/2024	ETP - 80 KLD (Outlet)	7.49	50.65	22.00	<0.4	25.80	10.00	130.00	9.82
20/02/2024	ETP - 80 KLD (Inlet)	7.87	185.05	157.00	11.76	25.60	36.00	320.00	33.42
20/02/2024	ETP - 80 KLD (Outlet)	7.46	55.34	25.00	<0.4	25.60	11.00	134.00	9.70
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	Fecal Coliform	
		-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml	
06/02/2024	STP - 300 KLD (Inlet)	7.75	250.62	60.00	127.00	27.00	6.24	280.00	
06/02/2024	STP - 300 KLD (Outlet)	7.34	67.02	14.00	23.00	27.00	BLQ(LOQ 0.2)	50.00	
20/02/2024	STP - 300 KLD (Inlet)	7.70	245.78	55.00	122.00	27.20	5.87	300.00	
20/02/2024	STP - 300 KLD (Outlet)	7.28	64.57	12.00	20.00	27.20	BLQ(LOQ 0.2)	60.00	
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>-</b>	<b>10</b>	<b>1000</b>	

*Sand*



**JPVL Amelia (North) Coal Mine**

**Ambient Air Quality Monitoring Reports for the month of - February-2024**

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		µg/m3	µg/m3	µg/m3	µg/m3
01/02/2024 to 02/02/2024	At Mine Site (Mine Office) (Core Zone)	149.36	74.32	24.09	9.42
05/02/2024 to 06/02/2024	At Mine Site (Mine Office) (Core Zone)	146.25	73.48	23.96	9.37
08/02/2024 to 09/02/2024	At Mine Site (Mine Office) (Core Zone)	148.45	75.22	25.37	9.54
12/02/2024 to 13/02/2024	At Mine Site (Mine Office) (Core Zone)	140.58	70.15	23.42	8.54
15/02/2024 to 16/02/2024	At Mine Site (Mine Office) (Core Zone)	142.64	71.56	24.15	8.93
18/02/2024 to 19/02/2024	At Mine Site (Mine Office) (Core Zone)	144.78	73.65	24.84	9.06
22/02/2024 to 23/02/2024	At Mine Site (Mine Office) (Core Zone)	143.62	72.74	24.18	9.25
26/02/2024 to 27/02/2024	At Mine Site (Mine Office) (Core Zone)	137.56	68.92	25.43	8.85
29/02/2024 to 01/03/2024	At Mine Site (Mine Office) (Core Zone)	148.24	76.82	26.35	9.76
<b>Average</b>		144.61	72.98	24.64	9.19
<b>Limits as per EP Rules 1986</b>		360	180	80	80


  
 Majhauri

## JPVL Amelia (North) Coal Mine

## Ambient Air Quality Monitoring Reports for the month of February-2024

Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/cum
01/02/2024 to 02/02/2024	WTP - Township (Vill. - Majhauri)	36.6	57.83	20.77	7.61	0.48
01/02/2024 to 02/02/2024	Siyaram House (Vill. - Kunda)	30.56	49.24	13.32	5.85	0.22
01/02/2024 to 02/02/2024	Dwarika Prasad House (Vill. - Manihari)	32.74	53.65	15.47	7.56	0.25
05/02/2024 to 06/02/2024	WTP - Township (Vill. - Majhauri)	37.67	58.54	21.32	7.85	0.52
05/02/2024 to 06/02/2024	Siyaram House (Vill. - Kunda)	31.52	51.46	14.25	6.18	0.27
05/02/2024 to 06/02/2024	Dwarika Prasad House (Vill. - Manihari)	33.25	54.32	15.64	7.73	0.28
08/02/2024 to 09/02/2024	WTP - Township (Vill. - Majhauri)	35.28	56.72	19.45	7.74	0.5
08/02/2024 to 09/02/2024	Siyaram House (Vill. - Kunda)	32.47	52.05	14.53	6.36	0.29
08/02/2024 to 09/02/2024	Dwarika Prasad House (Vill. - Manihari)	32.88	53.74	15.32	7.45	0.23
12/02/2024 to 13/02/2024	WTP - Township (Vill. - Majhauri)	34.56	55.62	18.27	7.35	0.45
12/02/2024 to 13/02/2024	Siyaram House (Vill. - Kunda)	30.78	50.62	13.47	5.94	0.24
12/02/2024 to 13/02/2024	Dwarika Prasad House (Vill. - Manihari)	34.28	54.66	16.24	7.55	0.35





15/02/2024 to 16/02/2024	WTP - Township (Vill. - Majhauri)	35.75	56.38	18.54	7.46	0.51
15/02/2024 to 16/02/2024	Siyaram House (Vill. - Kunda)	32.64	51.82	14.06	6.22	0.3
15/02/2024 to 16/02/2024	Dwarika Prasad House (Vill. - Manihari)	33.72	52.98	15.84	7.27	0.32
18/02/2024 to 19/02/2024	WTP - Township (Vill. - Majhauri)	36.44	55.95	19.3	7.58	0.44
18/02/2024 to 19/02/2024	Siyaram House (Vill. - Kunda)	33.04	52.76	14.62	6.58	0.33
18/02/2024 to 19/02/2024	Dwarika Prasad House (Vill. - Manihari)	35.46	54.79	16.35	8.02	0.38
22/02/2024 to 23/02/2024	WTP - Township (Vill. - Majhauri)	37.32	56.86	19.57	7.94	0.49
22/02/2024 to 23/02/2024	Siyaram House (Vill. - Kunda)	34.83	53.28	13.65	5.73	0.26
22/02/2024 to 23/02/2024	Dwarika Prasad House (Vill. - Manihari)	36.14	55.25	16.58	8.12	0.40
26/02/2024 to 27/02/2024	WTP - Township (Vill. - Majhauri)	34.67	54.86	18.35	8.22	0.47
26/02/2024 to 27/02/2024	Siyaram House (Vill. - Kunda)	31.45	50.36	12.28	5.62	0.25
26/02/2024 to 27/02/2024	Dwarika Prasad House (Vill. - Manihari)	34.32	53.23	14.85	5.78	0.39
29/02/2024 to 01/03/2024	WTP - Township (Vill. - Majhauri)	38.73	57.42	19.26	8.37	0.54
29/02/2024 to 01/03/2024	Siyaram House (Vill. - Kunda)	35.08	54.16	13.72	6.45	0.34
29/02/2024 to 01/03/2024	Dwarika Prasad House (Vill. - Manihari)	37.85	55.46	17.02	8.14	0.43
<b>Average</b>		34.45	54.22	16.37	7.14	0.37
<b>NAAQS Limit</b>		<b>60</b>	<b>100</b>	<b>80</b>	<b>80</b>	<b>4</b>



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - February-2024							
Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
		Day Time (6 am to 10 pm)	Night Time (10 pm to 06 am)	Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)	Day Time (6 am 10 pm)	Night Time (10 pm to 6 am)
05/02/2024 to 06/02/2024	At Mine Site (Mine Office) (Core Zone)	74.5	67.2	42.7	39.8	68.72	62.35
05/02/2024 to 06/02/2024	WTP - Township (Vill. - Majhauri)	54.8	42.6	38.2	35.7	52.86	40.52
06/02/2024 to 07/02/2024	Siyaram House (Vill. - Kunda)	50.9	41.1	34.5	32.2	45.56	36.45
06/02/2024 to 07/02/2024	Dwarika Prasad House (Vill. - Manihari)	51.7	40.8	35.3	33.5	48.35	37.02
19/02/2024 to 20/02/2024	At Mine Site (Mine Office) (Core Zone)	73.6	64.9	41.3	40.1	67.45	64.28
19/02/2024 to 20/02/2024	WTP - Township (Vill. - Majhauri)	53.6	43.8	37.5	34.3	50.76	38.64
20/02/2024 to 21/02/2024	Siyaram House (Vill. - Kunda)	49.7	40.5	33.6	29.4	44.25	34.16
20/02/2024 to 21/02/2024	Dwarika Prasad House (Vill. - Manihari)	52.5	42.3	36.8	31.2	47.84	35.27
CPCB Limit in dB(A) Leq (Industrial Area)		-	-	-	-	75	70
CPCB Limit in dB(A) Leq (Residential Area)		-	-	-	-	55	45



**JPVL Amelia (North) Coal Mine**

**Daily pH details for the month of February 2024**

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/02/2024	7.88	7.47	7.85	7.43	--	--
02/02/2024	7.90	7.50	7.88	7.47	--	--
03/02/2024	7.87	7.45	7.87	7.46	--	--
04/02/2024	7.91	7.49	7.86	7.44	--	--
05/02/2024	7.85	7.46	7.89	7.48	7.70	7.30
06/02/2024	7.89	7.49	7.85	7.43	7.75	7.34
07/02/2024	7.90	7.50	7.86	7.45	7.73	7.32
08/02/2024	7.88	7.48	7.88	7.47	7.76	7.35
09/02/2024	7.87	7.46	7.84	7.42	7.69	7.29
10/02/2024	7.91	7.51	7.89	7.48	7.68	7.27
11/02/2024	7.92	7.52	7.87	7.46	7.70	7.30
12/02/2024	7.89	7.48	7.85	7.43	7.74	7.31
13/02/2024	7.90	7.50	7.88	7.48	7.72	7.32
14/02/2024	7.88	7.47	7.86	7.45	7.68	7.27
15/02/2024	7.92	7.51	7.89	7.49	7.69	7.28
16/02/2024	7.87	7.46	7.85	7.50	7.68	7.27
17/02/2024	7.89	7.48	7.86	7.44	7.71	7.31
18/02/2024	7.88	7.47	7.87	7.45	7.75	7.34
19/02/2024	7.90	7.50	7.84	7.42	7.72	7.32
20/02/2024	7.87	7.46	7.82	7.40	7.70	7.28
21/02/2024	7.89	7.48	7.86	7.45	7.69	7.27
22/02/2024	7.92	7.52	7.85	7.43	7.67	7.26
23/02/2024	7.88	7.47	7.83	7.41	7.68	7.28
24/02/2024	7.86	7.50	7.87	7.46	7.74	7.34
25/02/2024	7.90	7.46	7.88	7.47	7.72	7.32
26/02/2024	7.87	7.47	7.82	7.40	7.65	7.25
27/02/2024	7.88	7.52	7.84	7.42	7.70	7.30
28/02/2024	7.92	7.50	7.86	7.45	7.68	7.28
29/02/2024	7.90	7.47	7.88	7.46	7.66	7.26

## AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED  
ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018



**JAIPRAKASH**  
POWER VENTURES LIMITED

Ref. No.: JPVL/Amelia/Mines/2024-25/ 08

Date: 11.04.2024

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

**Subject: Submission of Monthly Ambient Air Quality Monitoring, Noise Monitoring and Analysis Report of Waste Water & Treated Water of STP/ETP for Amelia (North) Coal Mine, Village – Majhauri, District – Singrauli (M.P.).**

Ref. : Consent No: AW-59907, Validity: 28/02/2025, Outward No: 119978, dated 12/03/2024.

Dear Sir,

Please find enclosed herewith monthly Ambient Air Quality Monitoring, Noise Monitoring and analysis reports of waste water and treated water of STP/ETP for the month of **March – 2024**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

**For Jaiprakash Power Ventures Ltd**

(Authorized Signatory)

11.04.24

CC to: Regional Officer, Regional Office, M.P. Pollution Control Board – Waidhan, Distt. – Singrauli (M.P.)

Encl.: As above.

**Site** : Amelia(North)CoalMine,Vill.Majhauri,P.O.-Bandha,Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886  
Ph.:+ 91 9685781707-09, E-mail:amelianorth.jpvl@jalindia.co.in  
**Corp.Office** : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110057 (India)  
Ph.: +91(11)26141540,26147411 Fax: +91(11)26145389,26143591  
**Regd.Office** : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie, Tehsil Sarai, District Singrauli-486669 (Madhya Pradesh)  
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020  
**Website:**www.jppowerventures.com**E-mail:**jpvl.investor@jalindia.co.in  
**CIN:**L40101MP1994PLC042920

**JAYPEE**  
GROUP

**JPVL Amelia (North) Coal Mine**

**Ambient Air Quality Monitoring Reports for the month of - March-2024**

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		µg/m3	µg/m3	µg/m3	µg/m3
04/03/2024 to 05/03/2024	At Mine Site (Mine Office) (Core Zone)	147.38	78.43	26.54	9.82
07/03/2024 to 08/03/2024	At Mine Site (Mine Office) (Core Zone)	148.46	79.52	27.05	9.97
11/03/2024 to 12/03/2024	At Mine Site (Mine Office) (Core Zone)	146.74	75.38	25.2	8.75
14/03/2024 to 15/03/2024	At Mine Site (Mine Office) (Core Zone)	145.22	74.64	25.16	8.53
18/03/2024 to 19/03/2024	At Mine Site (Mine Office) (Core Zone)	140.55	72.86	24.32	8.48
21/03/2024 to 22/03/2024	At Mine Site (Mine Office) (Core Zone)	138.87	70.25	23.08	8.12
25/03/2024 to 26/03/2024	At Mine Site (Mine Office) (Core Zone)	142.38	71.47	24.64	9.26
28/03/2024 to 29/03/2024	At Mine Site (Mine Office) (Core Zone)	144.93	76.72	25.42	9.54
<b>Average</b>		144.32	74.91	25.18	9.06
<b>Limits as per EP Rules 1986</b>		<b>360</b>	<b>180</b>	<b>80</b>	<b>80</b>


## JPVL Amelia (North) Coal Mine

## Ambient Air Quality Monitoring Reports for the month of March-2024

Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	mg/cum
04/03/2024 to 05/03/2024	WTP - Township (Vill. - Majhauli)	39.26	58.35	21.02	8.45	0.58
04/03/2024 to 05/03/2024	Siyaram House (Vill. - Kunda)	34.28	52.47	15.32	6.54	0.33
04/03/2024 to 05/03/2024	Dwarika Prasad House (Vill. - Manihari)	36.25	55.62	16.54	7.83	0.41
07/03/2024 to 08/03/2024	WTP - Township (Vill. - Majhauli)	38.54	57.68	20.75	8.37	0.56
07/03/2024 to 08/03/2024	Siyaram House (Vill. - Kunda)	33.75	51.24	14.92	6.47	0.3
07/03/2024 to 08/03/2024	Dwarika Prasad House (Vill. - Manihari)	35.47	54.26	16.35	7.68	0.4
11/03/2024 to 12/03/2024	WTP - Township (Vill. - Majhauli)	37.35	56.74	19.43	8.26	0.54
11/03/2024 to 12/03/2024	Siyaram House (Vill. - Kunda)	32.67	50.82	14.65	6.34	0.28
11/03/2024 to 12/03/2024	Dwarika Prasad House (Vill. - Manihari)	34.52	53.85	16.26	7.4	0.38
14/03/2024 to 15/03/2024	WTP - Township (Vill. - Majhauli)	39.87	59.26	21.38	8.5	0.55
14/03/2024 to 15/03/2024	Siyaram House (Vill. - Kunda)	36.42	57.35	16.14	7.26	0.35
14/03/2024 to 15/03/2024	Dwarika Prasad House (Vill. - Manihari)	38.64	58.38	17.62	8.05	0.43



18/03/2024 to 19/03/2024	WTP - Township (Vill. - Majhauri)	32.42	51.87	17.14	7.05	0.42
18/03/2024 to 19/03/2024	Siyaram House (Vill. - Kunda)	28.54	46.78	13.27	5.12	0.26
18/03/2024 to 19/03/2024	Dwarika Prasad House (Vill. - Manihari)	30.86	49.47	15.24	6.18	0.32
21/03/2024 to 22/03/2024	WTP - Township (Vill. - Majhauri)	30.65	48.34	15.42	6.86	0.4
21/03/2024 to 22/03/2024	Siyaram House (Vill. - Kunda)	26.86	45.53	12.4	4.75	0.24
21/03/2024 to 22/03/2024	Dwarika Prasad House (Vill. - Manihari)	28.31	47.54	13.47	5.32	0.28
25/03/2024 to 26/03/2024	WTP - Township (Vill. - Majhauri)	33.78	52.4	17.26	7.45	0.43
25/03/2024 to 26/03/2024	Siyaram House (Vill. - Kunda)	28.39	49.86	12.72	4.98	0.27
25/03/2024 to 26/03/2024	Dwarika Prasad House (Vill. - Manihari)	32.75	50.93	13.8	6.64	0.35
28/03/2024 to 29/03/2024	WTP - Township (Vill. - Majhauri)	36.56	58.65	19.04	8.93	0.52
28/03/2024 to 29/03/2024	Siyaram House (Vill. - Kunda)	30.78	51.44	13.06	5.25	0.32
28/03/2024 to 29/03/2024	Dwarika Prasad House (Vill. - Manihari)	34.18	55.75	14.96	7.53	0.37
<b>Average</b>		33.80	53.11	16.17	6.97	0.39
<b>NAAQS Limit</b>		60	100	80	80	4

Sandy



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - March-2024							
Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
		Day Time (6 am to 10 pm)	Night Time (10 pm to 06 am)	Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)	Day Time (6 am 10 pm)	Night Time (10 pm to 6 am)
04/03/2024 to 05/03/2024	At Mine Site (Mine Office) (Core Zone)	70.9	65.4	39.6	37.5	65.38	60.47
04/03/2024 to 05/03/2024	WTP - Township (Vill. - Majhauri)	52.5	42.2	35.3	33.6	51.62	39.85
05/03/2024 to 06/03/2024	Siyaram House (Vill. - Kunda)	51.6	40.7	33.8	31.5	48.22	35.75
05/03/2024 to 06/03/2024	Dwarika Prasad House (Vill. - Manihari)	52.8	41.5	34.7	32.4	50.17	38.43
18/03/2024 to 19/03/2024	At Mine Site (Mine Office) (Core Zone)	71.2	63.5	40.4	38.3	66.54	62.16
18/03/2024 to 19/03/2024	WTP - Township (Vill. - Majhauri)	54.6	44.1	36.2	34.5	53.25	40.74
19/03/2024 to 20/03/2024	Siyaram House (Vill. - Kunda)	50.3	39.8	32.5	28.6	46.53	32.98
19/03/2024 to 20/03/2024	Dwarika Prasad House (Vill. - Manihari)	53.7	43.6	35.1	31.8	51.45	37.06
CPCB Limit in dB(A) Leq (Industrial Area)		-	-	-	-	75	70
CPCB Limit in dB(A) Leq (Residential Area)		-	-	-	-	55	45

Sand





**JPVL Amelia (North) Coal Mine**

**Waste and Treated Water Analysis Reports for the month of - March-2024**

Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
05/03/2024	ETP - 300 KLD (Inlet)	7.80	175.48	121.00	9.52	26.00	65.00	308.00	30.84
05/03/2024	ETP - 300 KLD (Outlet)	7.38	43.72	17.00	<0.4	26.00	12.00	102.00	9.27
19/03/2024	ETP - 300 KLD (Inlet)	7.87	177.36	124.00	10.25	26.40	60.00	314.00	31.05
19/03/2024	ETP - 300 KLD (Outlet)	7.45	45.25	21.00	<0.4	26.49	10.00	108.00	9.85
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride
		-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l
05/03/2024	ETP - 80 KLD (Inlet)	7.84	154.42	153.00	11.26	21.20	62.00	317.00	29.38
05/03/2024	ETP - 80 KLD (Outlet)	7.44	52.34	23.00	<0.4	26.20	9.20	126.00	9.75
19/03/2024	ETP - 80 KLD (Inlet)	7.88	180.20	148.00	9.65	25.70	58.00	312.00	28.52
19/03/2024	ETP - 80 KLD (Outlet)	7.48	49.65	20.00	<0.4	25.70	8.50	122.00	8.16
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>100</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>2100</b>	<b>1000</b>
Date of Sampling	Sampling Location	Parameters							
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	Fecal Coliform	
		-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml	
05/03/2024	STP - 300 KLD (Inlet)	7.67	247.62	50.00	120.00	25.40	5.45	220.00	
05/03/2024	STP - 300 KLD (Outlet)	7.26	65.27	10.00	18.00	25.40	<0.2	30.00	
19/03/2024	STP - 300 KLD (Inlet)	7.73	255.85	65.00	125.00	25.80	6.57	140.00	
19/03/2024	STP - 300 KLD (Outlet)	7.32	70.06	15.00	22.00	25.80	<0.2	40.00	
<b>Prescribed Limit for Out let Water</b>		<b>5.5-9.0</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>-</b>	<b>10</b>	<b>1000</b>	


JPVL Amelia (North) Coal Mine						
Daily pH details for the month of March-2024						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/03/2024	7.86	7.45	7.84	7.42	7.72	7.31
02/03/2024	7.89	7.51	7.87	7.86	7.73	7.32
03/03/2024	7.90	7.52	7.86	7.85	7.70	7.30
04/03/2024	7.87	7.48	7.85	7.43	7.69	7.08
05/03/2024	7.84	7.44	7.80	7.38	7.67	7.25
06/03/2024	7.85	7.45	7.83	7.40	7.68	7.27
07/03/2024	7.89	7.48	7.85	7.44	7.72	7.31
08/03/2024	7.87	7.46	7.82	7.42	7.74	7.33
09/03/2024	7.90	7.51	7.86	7.45	7.70	7.28
10/03/2024	7.88	7.49	7.85	7.43	7.66	7.25
11/03/2024	7.92	7.52	7.84	7.41	7.69	7.29
12/03/2024	7.89	7.50	7.87	7.46	7.73	7.30
13/03/2024	7.91	7.51	7.85	7.44	7.71	7.27
14/03/2024	7.87	7.46	7.88	7.47	7.67	7.25
15/03/2024	7.88	7.48	7.84	7.42	7.72	7.32
16/03/2024	7.90	7.50	7.83	7.41	7.69	7.28
17/03/2024	7.92	7.51	7.82	7.40	7.72	7.33
18/03/2024	7.87	7.46	7.86	7.44	7.74	7.34
19/03/2024	7.88	7.48	7.87	7.45	7.73	7.32
20/03/2024	7.86	7.45	7.80	7.38	7.69	7.28
21/03/2024	7.89	7.50	7.85	7.42	7.70	7.30
22/03/2024	7.91	7.51	7.84	7.41	7.68	7.29
23/03/2024	7.92	7.52	7.82	7.40	7.75	7.34
24/03/2024	7.88	7.49	7.86	7.44	7.72	7.32
25/03/2024	7.87	7.48	7.87	7.45	7.75	7.31
26/03/2024	7.90	7.50	7.85	7.42	7.70	7.30
27/03/2024	7.89	7.47	7.83	7.38	7.74	7.33
28/03/2024	7.91	7.48	7.84	7.43	7.69	7.27
29/03/2024	7.92	7.52	7.82	7.40	7.67	7.25
30/03/2024	7.88	7.46	7.86	7.44	7.68	7.28
31/03/2024	7.87	7.46	7.85	7.42	7.72	7.32

Somya Prakash Power Ventures Pvt. Ltd.