

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/2023-24/25

Date: 8.05.2023

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 **April – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

(Authorized Signatory)

[Signature]
08.05.2023



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)26141540,26147411 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

JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - April 2023

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		ug/m3	ug/m3	ug/m3	ug/m3
03/04/2023 to 04/04/2023	At Mine Site (Mine Office) (Core Zone)	133.14	63.23	24.59	9.53
06/04/2023 to 07/04/2023	At Mine Site (Mine Office) (Core Zone)	139.89	76.57	26.69	10.01
10/04/2023 to 11/04/2023	At Mine Site (Mine Office) (Core Zone)	142.26	80.24	27.59	8.89
13/04/2023 to 14/04/2023	At Mine Site (Mine Office) (Core Zone)	149.45	75.23	25.22	10.23
17/04/2023 to 18/04/2023	At Mine Site (Mine Office) (Core Zone)	151.69	77.08	28.11	10.23
20/04/2023 to 21/04/2023	At Mine Site (Mine Office) (Core Zone)	145.33	72.48	26.12	9.23
24/04/2023 to 25/04/2023	At Mine Site (Mine Office) (Core Zone)	138.26	69.23	25.36	8.35
27/04/2023 to 28/04/2023	At Mine Site (Mine Office) (Core Zone)	148.11	71.69	24.46	9.87
Average		143.51	73.21	26.01	9.54
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of April 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		ug/m3	ug/m3	ug/m3	ug/m3	mg/cum
03/04/2023 to 04/04/2023	WTP - Township (Vill. - Majhauri)	36.47	57.39	18.84	8.15	0.58
04/04/2023 to 05/04/2023	Siyaram House (Vill. - Kunda)	33.68	46.33	14.75	7.23	0.41
04/04/2023 to 05/04/2023	Dwarika Prasad House (Vill. - Manihari)	35.04	46.89	14.35	7.59	0.43
06/04/2023 to 07/04/2023	WTP - Township (Vill. - Majhauri)	38.44	58.26	20.48	7.92	0.6
07/04/2023 to 08/04/2023	Siyaram House (Vill. - Kunda)	30.89	49.57	15.66	6.26	0.4
07/04/2023 to 08/04/2023	Dwarika Prasad House (Vill. - Manihari)	31.49	53.77	16.59	7.92	0.45
10/04/2023 to 11/04/2023	WTP - Township (Vill. - Majhauri)	36.08	59.55	19.17	9.56	0.59
11/04/2023 to 12/04/2023	Siyaram House (Vill. - Kunda)	33.76	50.89	17.69	7.69	0.46
11/04/2023 to 12/04/2023	Dwarika Prasad House (Vill. - Manihari)	35.84	53.24	17.35	6.92	0.48
13/04/2023 to 14/04/2023	WTP - Township (Vill. - Majhauri)	38.01	57.12	18.92	8.23	0.53
14/04/2023 to 15/04/2023	Siyaram House (Vill. - Kunda)	32.02	53.66	16.48	8.07	0.49



14/04/2023 to 15/04/2023	Dwarika Prasad House (Vill. - Manihari)	33.69	54.11	17.02	9.08	0.48
17/04/2023 to 18/04/2023	WTP - Township (Vill. - Majhaulti)	37.39	57.92	23.24	8.01	0.53
18/04/2023 to 19/04/2023	Siyaram House (Vill. - Kunda)	33.22	54.17	15.53	7.17	0.39
18/04/2023 to 19/04/2023	Dwarika Prasad House (Vill. - Manihari)	33.55	55.69	16.39	7.89	0.41
20/04/2023 to 21/04/2023	WTP - Township (Vill. - Majhaulti)	38.02	56.92	18.67	9.83	0.55
21/04/2023 to 22/04/2023	Siyaram House (Vill. - Kunda)	34.14	55.39	16.34	7.92	0.38
21/04/2023 to 22/04/2023	Dwarika Prasad House (Vill. - Manihari)	35.11	56.61	17.24	7.02	0.43
24/04/2023 to 25/04/2023	WTP - Township (Vill. - Majhaulti)	32.96	51.48	19.44	7.92	0.45
25/04/2023 to 26/04/2023	Siyaram House (Vill. - Kunda)	28.01	48.39	14.24	5.63	0.35
25/04/2023 to 26/04/2023	Dwarika Prasad House (Vill. - Manihari)	29.87	49.36	15.22	6.33	0.36
27/04/2023 to 28/04/2023	WTP - Township (Vill. - Majhaulti)	37.92	58.55	20.92	8.22	0.51
28/04/2023 to 29/04/2023	Siyaram House (Vill. - Kunda)	34.89	55.39	15.01	6.86	0.38
28/04/2023 to 29/04/2023	Dwarika Prasad House (Vill. - Manihari)	36.01	56.14	17.26	7.55	0.39
Average		33.68	53.28	16.59	7.31	0.46
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine

Waste and Treated Water Analysis Reports for the month of - April-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
05/04/2023	ETP - 300 KLD (Inlet)	7.89	179.56	125.14	8.01	26.7	25.78	339	39.14
05/04/2023	ETP - 300 KLD (Outlet)	7.44	45.68	23.78	<0.4	26.7	11.36	119.12	13.01
19/04/2023	ETP - 300 KLD (Inlet)	7.92	165.48	129.65	9.01	26.2	33.59	342.59	41.57
19/04/2023	ETP - 300 KLD (Outlet)	7.49	42.58	30.68	<0.4	26.2	12.48	123.53	16.01
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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
05/04/2023	ETP - 80 KLD (Inlet)	7.83	138.25	64.24	7.01	25.3	25.77	265.59	27.08
05/04/2023	ETP - 80 KLD (Outlet)	7.39	48.68	15.31	<0.4	25.3	12.55	109.45	14.59
19/04/2023	ETP - 80 KLD (Inlet)	7.85	145.01	58.59	7.66	25.6	28.59	261.75	34.69
19/04/2023	ETP - 80 KLD (Outlet)	7.45	49.12	14.87	<0.4	25.6	13.44	112.36	11.89
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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	
05/04/2023	STP - 300 KLD (Inlet)	7.68	126.57	26.08	71.85	24.6	3.69	274	
05/04/2023	STP - 300 KLD (Outlet)	7.28	56.78	14.19	18.28	24.6	<0.2	35	
19/04/2023	STP - 300 KLD (Inlet)	7.67	135.47	27.33	88.14	25.2	2.92	267	
19/04/2023	STP - 300 KLD (Outlet)	7.24	59.02	13.59	22.48	25.2	<0.2	28	
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - April 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)
06/04/2023 to 07/04/2023	At Mine Site (Mine Office) (Core Zone)	72.8	63.7	44.3	40.6	64.11	53.44
06/04/2023 to 07/04/2023	WTP - Township (Vill. - Majhauri)	53.1	43.4	37.8	35.2	49.59	40.04
07/04/2023 to 08/04/2023	Siyaram House (Vill. - Kunda)	51.3	42.5	35.2	32.7	48.89	38.56
07/04/2023 to 08/04/2023	Dwarika Prasad House (Vill. - Manihari)	52.4	41.8	36.5	33.9	48.68	42.33
20/04/2023 to 21/04/2023	At Mine Site (Mine Office) (Core Zone)	67.1	57.7	43.9	37.2	59.11	51.48
20/04/2023 to 21/04/2023	WTP - Township (Vill. - Majhauri)	53.7	43.1	38.2	35.8	50.69	39.17
21/04/2023 to 22/04/2023	Siyaram House (Vill. - Kunda)	50.6	39.8	34.8	31.2	46.33	36.09
21/04/2023 to 22/04/2023	Dwarika Prasad House (Vill. - Manihari)	51.9	40.5	35.7	32.6	47.11	41.33
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 April 2023						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/04/2023	7.84	7.43	7.88	7.42	7.68	7.28
02/04/2023	7.88	7.46	7.93	7.49	7.67	7.25
03/04/2023	7.91	7.49	7.91	7.47	7.69	7.29
04/04/2023	7.87	7.46	7.92	7.46	7.66	7.24
05/04/2023	7.89	7.39	7.89	7.44	7.68	7.28
06/04/2023	7.85	7.48	7.88	7.43	7.71	7.33
07/04/2023	7.86	7.45	7.85	7.36	7.69	7.29
08/04/2023	7.86	7.41	7.89	7.46	7.72	7.35
09/04/2023	7.84	7.43	7.92	7.48	7.66	7.23
10/04/2023	7.88	7.46	7.94	7.49	7.65	7.21
11/04/2023	7.87	7.44	7.91	7.47	7.68	7.27
12/04/2023	7.85	7.42	7.93	7.48	7.69	7.28
13/04/2023	7.92	7.48	7.88	7.42	7.64	7.22
14/04/2023	7.89	7.47	7.86	7.37	7.67	7.24
15/04/2023	7.88	7.45	7.81	7.36	7.65	7.23
16/04/2023	7.91	7.49	7.85	7.35	7.72	7.34
17/04/2023	7.86	7.46	7.86	7.39	7.71	7.32
18/04/2023	7.87	7.48	7.87	7.38	7.73	7.31
19/04/2023	7.85	7.45	7.92	7.49	7.67	7.24
20/04/2023	7.84	7.42	7.89	7.43	6.68	7.27
21/04/2023	7.88	7.47	7.91	7.46	7.69	7.28
22/04/2023	7.89	7.49	7.88	7.41	7.66	7.25
23/04/2023	7.86	7.45	7.87	7.37	7.71	7.32
24/04/2023	7.91	7.51	7.92	7.42	7.68	7.26
25/04/2023	7.87	7.46	7.84	7.35	7.65	7.21
26/04/2023	7.83	7.39	7.85	7.36	7.67	7.23
27/04/2023	7.84	7.41	7.86	7.38	7.69	7.29
28/04/2023	7.87	7.44	7.91	7.46	7.72	7.34
29/04/2023	7.88	7.46	7.93	7.49	7.71	7.31
30/04/2023	7.86	7.45	7.92	7.47	7.68	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/2023-24/45

Date: 10.06.2023

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 May – 2023.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

Santh
10/6/2023
10.06.2023

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
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CIN:L40101MP1994PLC042920

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GROUP

JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - May 2023

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		ug/m3	ug/m3	ug/m3	ug/m3
01/05/2023 to 02/05/2023	At Mine Site (Mine Office) (Core Zone)	135.16	65.25	26.61	9.56
04/05/2023 to 05/05/2023	At Mine Site (Mine Office) (Core Zone)	142.92	78.59	28.72	10.21
8/05/2023 to 9/05/2023	At Mine Site (Mine Office) (Core Zone)	144.24	82.26	27.62	8.97
11/05/2023 to 12/05/2023	At Mine Site (Mine Office) (Core Zone)	152.48	78.25	25.36	9.05
15/05/2023 to 16/05/2023	At Mine Site (Mine Office) (Core Zone)	145.72	79.12	24.15	8.97
18/05/2023 to 19/05/2023	At Mine Site (Mine Office) (Core Zone)	142.35	70.46	24.1	8.79
22/05/2023 to 23/05/2023	At Mine Site (Mine Office) (Core Zone)	137.24	69.25	26.38	9.38
25/05/2023 to 26/05/2023	At Mine Site (Mine Office) (Core Zone)	149.13	73.7	28.49	10.87
Average		143.65	74.61	26.42	9.47
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of May 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		ug/m3	ug/m3	ug/m3	ug/m3	mg/cum
01/05/2023 to 02/05/2023	WTP - Township (Vill. - Majhauri)	37.49	58.42	21.86	8.16	0.59
02/05/2023 to 03/05/2023	Siyaram House (Vill. - Kunda)	30.62	46.32	13.78	5.28	0.43
02/05/2023 to 03/05/2023	Dwarika Prasad House (Vill. - Manihari)	33.78	48.91	12.38	5.61	0.45
04/05/2023 to 05/05/2023	WTP - Township (Vill. - Majhauri)	36.46	54.21	19.42	7.19	0.57
05/05/2023 to 06/05/2023	Siyaram House (Vill. - Kunda)	32.92	51.59	16.58	8.29	0.42
05/05/2023 to 06/05/2023	Dwarika Prasad House (Vill. - Manihari)	33.51	52.79	14.61	7.94	0.46
8/05/2023 to 9/05/2023	WTP - Township (Vill. - Majhauri)	35.1	56.51	16.14	7.53	0.54
9/05/2023 to 10/05/2023	Siyaram House (Vill. - Kunda)	32.78	52.8	15.31	6.89	0.48
9/05/2023 to 10/05/2023	Dwarika Prasad House (Vill. - Manihari)	33.86	53.26	16.38	8.01	0.49
11/05/2023 to 12/05/2023	WTP - Township (Vill. - Majhauri)	37.45	57.89	20.94	7.25	0.5
12/05/2023 to 13/05/2023	Siyaram House (Vill. - Kunda)	33.05	54.69	16.49	7.09	0.43



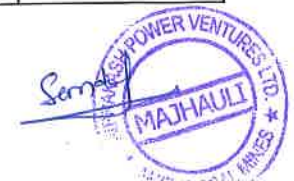
12/05/2023 to 13/05/2023	Dwarika Prasad House (Vill. - Manihari)	34.72	55.14	16.92	6.21	0.44
15/05/2023 to 16/05/2023	WTP - Township (Vill. - Majhauli)	37.36	58.19	21.37	6.05	0.55
16/05/2023 to 17/05/2023	Siyaram House (Vill. - Kunda)	34.18	53.29	17.55	6.19	0.35
16/05/2023 to 17/05/2023	Dwarika Prasad House (Vill. - Manihari)	35.58	54.63	18.36	7.85	0.37
18/05/2023 to 19/05/2023	WTP - Township (Vill. - Majhauli)	36.05	54.9	16.65	7.8	0.58
19/05/2023 to 20/05/2023	Siyaram House (Vill. - Kunda)	32.16	52.33	14.29	5.95	0.34
19/05/2023 to 20/05/2023	Dwarika Prasad House (Vill. - Manihari)	33.15	52.93	14.69	5.05	0.37
22/05/2023 to 23/05/2023	WTP - Township (Vill. - Majhauli)	37.65	58.73	18.46	8.12	0.48
23/05/2023 to 24/05/2023	Siyaram House (Vill. - Kunda)	31.03	51.92	12.26	5.09	0.32
23/05/2023 to 24/05/2023	Dwarika Prasad House (Vill. - Manihari)	32.88	52.39	13.25	7.35	0.33
25/05/2023 to 26/05/2023	WTP - Township (Vill. - Majhauli)	38.92	59.57	22.93	8.49	0.53
26/05/2023 to 27/05/2023	Siyaram House (Vill. - Kunda)	35.86	54.34	13.02	5.89	0.36
26/05/2023 to 27/05/2023	Dwarika Prasad House (Vill. - Manihari)	35.04	55.16	15.86	7.59	0.41
Average		34.65	54.2	16.64	6.95	0.44
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine

Ambient Noise Monitoring Reports for the month of - May 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)
04/05/2023 to 05/05/2023	At Mine Site (Mine Office) (Core Zone)	71.4	63.5	45.2	42.7	66.15	55.46
04/05/2023 to 05/05/2023	WTP - Township (Vill. - Majhauri)	53.9	43.5	38.4	33.7	52.62	42.06
05/05/2023 to 06/05/2023	Siyaram House (Vill. - Kunda)	47.8	36.7	30.2	27.9	44.86	36.52
05/05/2023 to 06/05/2023	Dwarika Prasad House (Vill. - Manihari)	50.6	37.6	33.5	32.4	46.6	41.35
18/05/2023 to 19/05/2023	At Mine Site (Mine Office) (Core Zone)	68.4	54.6	41.8	38.5	58.23	47.52
18/05/2023 to 19/05/2023	WTP - Township (Vill. - Majhauri)	52.9	42.3	36.5	32.6	47.75	36.19
19/05/2023 to 20/04/2023	Siyaram House (Vill. - Kunda)	48.7	35.8	32.3	29.5	49.35	44.35
19/05/2023 to 20/05/2023	Dwarika Prasad House (Vill. - Manihari)	49.4	37.9	34.8	31.4	45.15	37.35
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 - May-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
03/05/2023	ETP - 300 KLD (Inlet)	7.86	182.59	128.16	7.05	25.1	27.82	342.23	36.15
03/05/2023	ETP - 300 KLD (Outlet)	7.43	47.72	25.82	<0.4	25.1	13.39	116.15	15.04
17/05/2023	ETP - 300 KLD (Inlet)	7.82	168.52	132.68	7.85	25.7	35.62	349.62	43.59
17/05/2023	ETP - 300 KLD (Outlet)	7.41	45.6	32.72	<0.4	25.7	14.4	125.5	17.05
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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
03/05/2023	ETP - 80 KLD (Inlet)	7.88	138.25	76.28	5.05	25.2	28.79	269.61	29.09
03/05/2023	ETP - 80 KLD (Outlet)	7.47	46.72	14.35	<0.4	25.2	14.57	112.49	11.62
17/05/2023	ETP - 80 KLD (Inlet)	7.84	149.05	81.51	8.62	25.6	29.62	263.78	36.72
17/05/2023	ETP - 80 KLD (Outlet)	7.42	51.14	16.89	<0.4	26.8	15.46	114.38	13.92
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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	
03/05/2023	STP - 300 KLD (Inlet)	7.65	128.59	28.1	73.89	24.9	5.72	299	
03/05/2023	STP - 300 KLD (Outlet)	7.29	54.82	12.16	16.24	24.9	<0.2	42	
17/05/2023	STP - 300 KLD (Inlet)	7.69	139.49	29.35	85.16	25	3.95	260	
17/05/2023	STP - 300 KLD (Outlet)	7.31	56.04	15.62	24.52	25	<0.2	32	
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	



JPVL Amelia (North) Coal Mine

Daily pH details for the month of May 2023

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/05/2023	7.83	7.42	7.87	7.46	7.67	7.46
02/05/2023	7.87	7.45	7.92	7.48	7.66	7.48
03/05/2023	7.88	7.47	7.86	7.43	7.65	7.43
04/05/2023	7.86	7.45	7.91	7.49	7.64	7.49
05/05/2023	7.84	7.37	7.88	7.47	7.67	7.47
06/05/2023	7.89	7.48	7.87	7.42	7.72	7.42
07/05/2023	7.83	7.44	7.84	7.41	7.68	7.41
08/05/2023	7.84	7.43	7.85	7.44	7.71	7.44
09/05/2023	7.89	7.42	7.89	7.48	7.65	7.48
10/05/2023	7.87	7.45	7.92	7.49	7.64	7.49
11/05/2023	7.86	7.41	7.88	7.47	7.67	7.47
12/05/2023	7.84	7.39	7.91	7.48	7.68	7.48
13/05/2023	7.89	7.47	7.86	7.43	7.63	7.43
14/05/2023	7.91	7.49	7.85	7.42	7.66	7.42
15/05/2023	7.87	7.46	7.87	7.44	7.64	7.44
16/05/2023	7.88	7.45	7.84	7.45	7.71	7.45
17/05/2023	7.84	7.42	7.82	7.41	7.69	7.41
18/05/2023	7.86	7.47	7.86	7.46	7.72	7.46
19/05/2023	7.87	7.46	7.87	7.43	7.68	7.43
20/05/2023	7.85	7.43	7.85	7.42	7.67	7.42
21/05/2023	7.89	7.48	7.88	7.47	7.71	7.47
22/05/2023	7.91	7.49	7.89	7.49	7.65	7.49
23/05/2023	7.88	7.44	7.91	7.51	7.69	7.51
24/05/2023	7.86	7.42	7.86	7.44	7.67	7.44
25/05/2023	7.85	7.41	7.85	7.41	7.64	7.41
26/05/2023	7.84	7.38	7.87	7.43	7.66	7.43
27/05/2023	7.87	7.43	7.84	7.42	7.68	7.42
28/05/2023	7.88	7.47	7.88	7.48	7.71	7.48
29/05/2023	7.86	7.45	7.89	7.47	7.72	7.47
30/05/2023	7.85	7.42	7.86	7.45	7.69	7.45
31/05/2023	7.84	7.41	7.85	7.44	7.65	7.44



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/ 64

Date: 11.07.2023

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 **June – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

(Signature)
11.07.2023

(Signature)
11.7.2023

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
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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

Waste and Treated Water Analysis Reports for the month of - June-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
06/06/2023	ETP - 300 KLD (Inlet)	7.89	181.57	127.15	8.02	24.9	29.78	340.36	35.14
06/06/2023	ETP - 300 KLD (Outlet)	7.48	46.82	24.16	<0.4	24.9	12.47	115.32	14.06
20/06/2023	ETP - 300 KLD (Inlet)	7.88	178.37	130.48	7.56	25	32.64	345.18	38.48
20/06/2023	ETP - 300 KLD (Outlet)	7.46	44.35	28.54	<0.4	25	13.86	124.22	16.07
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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
06/06/2023	ETP - 80 KLD (Inlet)	7.83	146.25	86.36	6.04	25.3	27.68	265.74	25.07
06/06/2023	ETP - 80 KLD (Outlet)	7.39	42.86	15.02	<0.4	25.3	12.32	110.43	9.54
20/06/2023	ETP - 80 KLD (Inlet)	7.85	148.16	83.68	7.94	25.6	26.57	262.28	32.85
20/06/2023	ETP - 80 KLD (Outlet)	7.45	43.97	14.76	<0.4	25.6	11.84	109.28	12.64
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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	
06/06/2023	STP - 300 KLD (Inlet)	7.68	132.57	29.12	74.94	25	5.86	280	
06/06/2023	STP - 300 KLD (Outlet)	7.27	55.62	13.26	17.25	25	<0.2	40	
20/06/2023	STP - 300 KLD (Inlet)	7.66	138.43	27.96	84.12	24.8	3.92	240	
20/06/2023	STP - 300 KLD (Outlet)	7.23	57.25	14.54	23.67	24.8	<0.2	30	
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	

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JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - June 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)
05/06/2023 to 06/06/2023	At Mine Site (Mine Office) (Core Zone)	72.6	62.3	43.4	40.8	67.26	56.37
05/06/2023 to 06/06/2023	WTP - Township (Vill. - Majhauri)	54.8	44.3	36.2	32.7	53.05	43.12
06/06/2023 to 07/06/2023	Siyaram House (Vill. - Kunda)	48.4	36.5	29.3	26.8	44.76	34.54
06/06/2023 to 07/06/2023	Dwarika Prasad House (Vill. - Manihari)	49.7	37.5	32.4	29.8	45.67	35.49
19/06/2023 to 20/06/2023	At Mine Site (Mine Office) (Core Zone)	73.8	61.1	42.5	39.6	64.34	54.42
19/06/2023 to 20/06/2023	WTP - Township (Vill. - Majhauri)	53.6	43.4	35.1	33.2	49.28	41.76
20/06/2023 to 21/06/2023	Siyaram House (Vill. - Kunda)	47.9	40.5	31.4	28.7	46.58	37.85
20/06/2023 to 21/06/2023	Dwarika Prasad House (Vill. - Manihari)	51.3	41.9	33.2	30.8	47.13	38.96
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

Ambient Air Quality Monitoring Reports for the month of - June 2023

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		ug/m3	ug/m3	ug/m3	ug/m3
05/06/2023 to 06/06/2023	At Mine Site (Mine Office) (Core Zone)	136.26	66.34	25.43	10.12
07/06/2023 to 08/06/2023	At Mine Site (Mine Office) (Core Zone)	140.83	77.52	26.27	9.63
12/06/2023 to 13/06/2023	At Mine Site (Mine Office) (Core Zone)	143.42	81.68	27.43	10.09
14/06/2023 to 15/06/2023	At Mine Site (Mine Office) (Core Zone)	148.94	79.49	24.38	9.75
19/06/2023 to 20/06/2023	At Mine Site (Mine Office) (Core Zone)	146.27	75.22	24.51	8.98
21/06/2023 to 22/06/2023	At Mine Site (Mine Office) (Core Zone)	137.53	72.64	23.56	9.36
26/06/2023 to 27/06/2023	At Mine Site (Mine Office) (Core Zone)	124.52	62.36	22.45	8.15
28/06/2023 to 29/06/2023	At Mine Site (Mine Office) (Core Zone)	129.86	63.54	23.48	8.67
Average		138.45	72.35	24.69	9.34
Limits as per EP Rules 1986		360	180	80	80

Sand

JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of June 2023

Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		ug/m3	ug/m3	ug/m3	ug/m3	mg/cum
05/06/2023 to 06/06/2023	WTP - Township (Vill. - Majhauri)	36.41	57.33	20.75	8.02	0.52
05/06/2023 to 06/06/2023	Siyaram House (Vill. - Kunda)	29.53	47.28	12.67	5.08	0.32
05/06/2023 to 06/06/2023	Dwarika Prasad House (Vill. - Manihari)	30.68	46.89	12.83	5.71	0.33
07/06/2023 to 08/06/2023	WTP - Township (Vill. - Majhauri)	37.94	58.24	21.68	8.09	0.53
07/06/2023 to 08/06/2023	Siyaram House (Vill. - Kunda)	31.29	49.95	13.85	6.18	0.34
07/06/2023 to 08/06/2023	Dwarika Prasad House (Vill. - Manihari)	32.15	50.87	14.06	6.24	0.36
12/06/2023 to 13/06/2023	WTP - Township (Vill. - Majhauri)	36.12	55.39	18.41	7.57	0.49
12/06/2023 to 13/06/2023	Siyaram House (Vill. - Kunda)	32.87	51.59	14.39	5.98	0.36
12/06/2023 to 13/06/2023	Dwarika Prasad House (Vill. - Manihari)	33.16	52.29	15.08	6.32	0.39
14/06/2023 to 15/06/2023	WTP - Township (Vill. - Majhauri)	35.89	54.72	17.23	8.16	0.51
14/06/2023 to 15/06/2023	Siyaram House (Vill. - Kunda)	33.15	52.96	15.29	6.12	0.37

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14/06/2023 to 15/06/2023	Dwarika Prasad House (Vill. - Manihari)	34.52	53.46	15.33	7.02	0.41
19/06/2023 to 20/06/2023	WTP - Township (Vill. - Majhauri)	38.56	58.05	19.73	7.65	0.48
19/06/2023 to 20/06/2023	Siyaram House (Vill. - Kunda)	28.95	48.64	12.32	5.43	0.3
19/06/2023 to 20/06/2023	Dwarika Prasad House (Vill. - Manihari)	31.85	52.36	13.68	5.56	0.32
21/06/2023 to 22/06/2023	WTP - Township (Vill. - Majhauri)	36.68	57.43	16.31	6.89	0.47
21/06/2023 to 22/06/2023	Siyaram House (Vill. - Kunda)	29.82	49.74	12.58	5.96	0.31
21/06/2023 to 22/06/2023	Dwarika Prasad House (Vill. - Manihari)	32.51	51.44	14.18	6.03	0.38
26/06/2023 to 27/06/2023	WTP - Township (Vill. - Majhauri)	30.75	51.39	14.03	5.87	0.43
26/06/2023 to 27/06/2023	Siyaram House (Vill. - Kunda)	26.87	46.79	12.14	5.24	0.28
26/06/2023 to 27/06/2023	Dwarika Prasad House (Vill. - Manihari)	27.68	46.35	12.92	6.38	0.38
28/06/2023 to 29/06/2023	WTP - Township (Vill. - Majhauri)	32.29	52.75	16.07	7.48	0.45
28/06/2023 to 29/06/2023	Siyaram House (Vill. - Kunda)	28.68	48.43	13.66	6.98	0.35
28/06/2023 to 29/06/2023	Dwarika Prasad House (Vill. - Manihari)	29.08	49.12	14.37	7.21	0.42
Average		32.39	51.81	15.15	6.55	0.40
NAAQS Limit		60	100	80	80	4

Sand

JPVL Amelia (North) Coal Mine

Daily pH details for the month of June 2023

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/06/2023	7.82	7.41	7.84	7.43	7.69	7.31
02/06/2023	7.86	7.43	7.85	7.44	7.67	7.28
03/06/2023	7.87	7.45	7.88	7.46	7.64	7.27
04/06/2023	7.85	7.44	7.87	7.47	7.63	7.21
05/06/2023	7.88	7.47	7.83	7.41	7.66	7.26
06/06/2023	7.83	7.39	7.89	7.48	7.68	7.27
07/06/2023	7.82	7.4	7.84	7.43	7.64	7.23
08/06/2023	7.89	7.48	7.85	7.4	7.69	7.32
09/06/2023	7.81	7.41	7.89	7.49	7.67	7.26
10/06/2023	7.86	7.44	7.88	7.48	7.65	7.24
11/06/2023	7.85	7.42	7.84	7.46	7.71	7.32
12/06/2023	7.83	7.41	7.86	7.45	7.66	7.28
13/06/2023	7.88	7.46	7.85	7.42	7.62	7.22
14/06/2023	7.9	7.48	7.81	7.4	7.63	7.25
15/06/2023	7.91	7.49	7.83	7.44	7.65	7.26
16/06/2023	7.89	7.48	7.88	7.47	7.69	7.31
17/06/2023	7.85	7.43	7.87	7.46	7.72	7.33
18/06/2023	7.87	7.46	7.89	7.48	7.71	7.32
19/06/2023	7.88	7.47	7.91	7.52	7.67	7.24
20/06/2023	7.85	7.45	7.88	7.46	7.66	7.23
21/06/2023	7.84	7.42	7.86	7.43	7.68	7.26
22/06/2023	7.86	7.46	7.87	7.44	7.64	7.22
23/06/2023	7.83	7.41	7.85	7.42	7.65	7.25
24/06/2023	7.89	7.48	7.84	7.45	7.66	7.27
25/06/2023	7.88	7.47	7.86	7.43	7.63	7.22
26/06/2023	7.85	7.77	7.83	7.4	7.64	7.23
27/06/2023	7.86	7.46	7.82	7.41	7.67	7.29
28/06/2023	7.87	7.45	7.84	7.42	7.69	7.28
29/06/2023	7.85	7.44	7.88	7.46	7.68	7.27
30/06/2023	7.88	7.47	7.87	7.44	7.66	7.25

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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/ 77

Date: 09.08.2023

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 **July – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

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
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Website:www.jpventure.com E-mail:jpvl.investor@jalindia.co.in
CIN:L40101MP1994PLC042920

JPVL Amelia (North) Coal Mine									
Waste and Treated Water Analysis Reports for the month of - July-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
05/07/2023	ETP - 300 KLD (Inlet)	7.82	175.24	120.59	7.27	25.3	35.43	332	37.58
05/07/2023	ETP - 300 KLD (Outlet)	7.4	57.62	21.48	<0.4	25.3	13.25	110	15.87
19/07/2023	ETP - 300 KLD (Inlet)	7.9	182.25	135.21	9.84	26.2	30.12	325	33.46
19/07/2023	ETP - 300 KLD (Outlet)	7.51	59.08	24.03	<0.4	26.2	12.33	118	14.59
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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
05/07/2023	ETP - 80 KLD (Inlet)	7.86	156.72	89.02	7.06	24.7	32.11	267	27.83
05/07/2023	ETP - 80 KLD (Outlet)	7.43	53.69	17.22	<0.4	24.7	11.56	118	8.14
19/07/2023	ETP - 80 KLD (Inlet)	7.84	153.25	88.32	6.19	26	31.36	263	35.48
19/07/2023	ETP - 80 KLD (Outlet)	7.42	52.63	15.74	<0.4	26	12.21	102	14.56
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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	
05/07/2023	STP - 300 KLD (Inlet)	7.65	210.44	37.52	102.17	24.8	5.03	260	
05/07/2023	STP - 300 KLD (Outlet)	7.25	76.36	14.35	22.74	24.8	<0.2	38	
19/07/2023	STP - 300 KLD (Inlet)	7.64	218.12	42.14	105.21	24.6	4.78	265	
19/07/2023	STP - 300 KLD (Outlet)	7.22	82.69	15.23	24.27	24.6	<0.2	45	
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - July 2023

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		ug/m3	ug/m3	ug/m3	ug/m3
03/07/2023 to 04/07/2023	At Mine Site (Mine Office) (Core Zone)	138.62	64.09	23.48	9.66
06/07/2023 to 07/07/2023	At Mine Site (Mine Office) (Core Zone)	129.47	68.15	22.01	8.55
10/07/2023 to 11/07/2023	At Mine Site (Mine Office) (Core Zone)	147.24	79.56	28.75	9.48
13/07/2023 to 14/07/2023	At Mine Site (Mine Office) (Core Zone)	145.33	73.24	26.21	10.12
17/07/2023 to 18/07/2023	At Mine Site (Mine Office) (Core Zone)	140.69	72.28	23.55	9.07
20/07/2023 to 21/07/2023	At Mine Site (Mine Office) (Core Zone)	135.74	76.02	25.77	8.69
24/07/2023 to 25/07/2023	At Mine Site (Mine Office) (Core Zone)	128.36	65.03	24.06	8.11
27/07/2023 to 28/07/2023	At Mine Site (Mine Office) (Core Zone)	132.45	66.18	24.84	9.06
Average		137.24	70.57	24.83	9.09
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of July 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		ug/m3	ug/m3	ug/m3	ug/m3	mg/cum
03/07/2023 to 04/07/2023	WTP - Township (Vill. - Majhauri)	39.12	58.94	21.39	8.74	0.57
04/07/2023 to 05/07/2023	Siyaram House (Vill. - Kunda)	32.25	52.74	16.14	6.92	0.45
04/07/2023 to 05/07/2023	Dwarika Prasad House (Vill. - Manihari)	33.25	53.14	17.02	6.97	0.46
06/07/2023 to 07/07/2023	WTP - Township (Vill. - Majhauri)	29.32	48.07	15.33	7.04	0.44
07/07/2023 to 08/07/2023	Siyaram House (Vill. - Kunda)	27.88	42.35	11.92	4.95	0.31
07/07/2023 to 08/07/2023	Dwarika Prasad House (Vill. - Manihari)	28.45	43.66	12.08	5.24	0.32
10/07/2023 to 11/07/2023	WTP - Township (Vill. - Majhauri)	35.58	55.34	17.46	7.97	0.54
11/07/2023 to 12/07/2023	Siyaram House (Vill. - Kunda)	30.76	48.23	14.19	5.43	0.39
11/07/2023 to 12/07/2023	Dwarika Prasad House (Vill. - Manihari)	31.67	49.38	14.52	5.92	0.41
13/07/2023 to 14/07/2023	WTP - Township (Vill. - Majhauri)	34.08	54.48	18.39	7.69	0.48
14/07/2023 to 15/07/2023	Siyaram House (Vill. - Kunda)	31.57	50.83	15.05	6.15	0.41



14/07/2023 to 15/07/2023	Dwarika Prasad House (Vill. - Manihari)	32.49	51.75	15.26	6.53	0.42
17/07/2023 to 18/07/2023	WTP - Township (Vill. - Majhauri)	36.12	56.84	17.24	6.93	0.51
18/07/2023 to 19/07/2023	Siyaram House (Vill. - Kunda)	30.14	49.55	13.02	6.44	0.35
18/07/2023 to 19/07/2023	Dwarika Prasad House (Vill. - Manihari)	31.86	52.02	13.78	5.69	0.36
20/07/2023 to 21/07/2023	WTP - Township (Vill. - Majhauri)	37.87	58.69	19.45	8.01	0.55
21/07/2023 to 22/07/2023	Siyaram House (Vill. - Kunda)	32.53	51.01	14.32	5.86	0.38
21/07/2023 to 22/07/2023	Dwarika Prasad House (Vill. - Manihari)	33.41	54.09	18.87	6.48	0.37
24/07/2023 to 25/07/2023	WTP - Township (Vill. - Majhauri)	31.05	53.14	15.77	6.05	0.46
25/07/2023 to 26/07/2023	Siyaram House (Vill. - Kunda)	28.21	47.59	12.65	5.89	0.32
25/07/2023 to 26/07/2023	Dwarika Prasad House (Vill. - Manihari)	29.23	48.14	13.11	4.53	0.33
27/07/2023 to 28/07/2023	WTP - Township (Vill. - Majhauri)	34.85	55.26	16.44	8.12	0.47
28/07/2023 to 29/07/2023	Siyaram House (Vill. - Kunda)	28.92	50.01	13.89	4.98	0.33
28/07/2023 to 29/07/2023	Dwarika Prasad House (Vill. - Manihari)	30.65	50.36	14.33	7.68	0.45
Average		32.14	51.48	15.48	6.51	0.42
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - July 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)
06/07/2023 to 07/07/2023	At Mine Site (Mine Office) (Core Zone)	73.9	64.1	44.6	41.2	68.52	58.33
06/07/2023 to 07/07/2023	WTP - Township (Vill. - Majhauri)	52.4	42.2	35.8	31.9	50.44	41.36
07/07/2023 to 08/07/2023	Siyaram House (Vill. - Kunda)	49.7	36.3	28.9	27.8	45.12	33.24
07/07/2023 to 08/07/2023	Dwarika Prasad House (Vill. - Manihari)	51.6	39.2	32.8	30.5	47.24	37.02
20/07/2023 to 21/07/2023	At Mine Site (Mine Office) (Core Zone)	71.4	62.8	42.6	37.1	66.23	55.68
20/07/2023 to 21/07/2023	WTP - Township (Vill. - Majhauri)	54.1	43.6	36.5	32.3	52.25	40.19
21/07/2023 to 22/07/2023	Siyaram House (Vill. - Kunda)	48.8	38.5	29.6	28.2	46.79	34.51
21/07/2023 to 22/07/2023	Dwarika Prasad House (Vill. - Manihari)	50.5	41.7	31.3	29.4	49.58	38.06
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 July 2023						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/07/2023	7.85	7.44	7.83	7.42	7.68	7.29
02/07/2023	7.89	7.48	7.84	7.43	7.66	7.27
03/07/2023	7.88	7.47	7.87	7.45	7.63	7.26
04/07/2023	7.9	7.49	7.86	7.46	7.62	7.19
05/07/2023	7.86	7.43	7.82	7.4	7.65	7.25
06/07/2023	7.87	7.46	7.88	7.47	7.67	7.26
07/07/2023	7.84	7.42	7.83	7.44	7.63	7.22
08/07/2023	7.83	7.41	7.84	7.43	7.68	7.31
09/07/2023	7.85	7.44	7.88	7.48	7.66	7.25
10/07/2023	7.89	7.49	7.87	7.47	7.64	7.23
11/07/2023	7.87	7.46	7.83	7.45	7.69	7.31
12/07/2023	7.86	7.45	7.85	7.44	7.65	7.27
13/07/2023	7.62	7.51	7.84	7.41	7.61	7.21
14/07/2023	7.89	7.49	7.8	7.4	7.62	7.24
15/07/2023	7.88	7.47	7.82	7.43	7.64	7.25
16/07/2023	7.87	7.46	7.85	7.44	7.66	7.29
17/07/2023	7.86	7.48	7.86	7.45	7.71	7.31
18/07/2023	7.88	7.47	7.87	7.49	7.68	7.27
19/07/2023	7.84	7.42	7.9	7.51	7.64	7.22
20/07/2023	7.83	7.41	7.87	7.45	7.65	7.24
21/07/2023	7.87	7.46	7.85	7.43	7.67	7.25
22/07/2023	7.89	7.49	7.86	7.42	7.63	7.21
23/07/2023	7.86	7.45	7.84	7.41	7.64	7.23
24/07/2023	7.88	7.47	7.83	7.44	7.65	7.26
25/07/2023	7.91	7.51	7.85	7.42	7.62	7.21
26/07/2023	7.86	7.45	7.82	7.41	7.63	7.22
27/07/2023	7.85	7.44	7.88	7.47	7.66	7.28
28/07/2023	7.83	7.41	7.91	7.52	7.68	7.27
29/07/2023	7.87	7.46	7.9	7.51	7.67	7.26
30/07/2023	7.88	7.47	7.89	7.48	7.65	7.24
31/07/2023	7.89	7.49	7.86	7.44	7.69	7.32



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/2023-24/115

Date: 13.09.2023

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 **August – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

Smdf
13.09.2023

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

Encl.: As above.

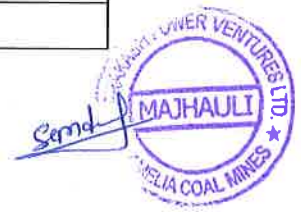
Site : Amelia(North)CoalMine,Vill.Majhauri,P.O.-Bandha, Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886
Ph.: +91 9685781707-09, E-mail:amelianorth.jpvl@jalindia.co.in
Corp.Office : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110057 (India)
Ph.: +91(11)26141540,26147411 Fax: +91(11)26145389,26143591
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

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GROUP

JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - August 2023

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		ug/m3	ug/m3	ug/m3	ug/m3
01/08/2023 to 02/08/2023	At Mine Site (Mine Office) (Core Zone)	132.45	63.14	21.54	8.74
04/08/2023 to 05/08/2023	At Mine Site (Mine Office) (Core Zone)	137.43	67.12	23.18	9.26
08/08/2023 to 09/08/2023	At Mine Site (Mine Office) (Core Zone)	145.18	72.19	26.34	10.18
11/08/2023 to 12/08/2023	At Mine Site (Mine Office) (Core Zone)	147.35	75.48	25.86	9.44
15/08/2023 to 16/08/2023	At Mine Site (Mine Office) (Core Zone)	146.44	74.52	24.53	8.98
18/08/2023 to 19/08/2023	At Mine Site (Mine Office) (Core Zone)	142.54	73.17	24.36	9.35
22/08/2023 to 23/08/2023	At Mine Site (Mine Office) (Core Zone)	144.27	71.33	26.79	9.02
25/08/2023 to 26/08/2023	At Mine Site (Mine Office) (Core Zone)	138.62	69.05	24.88	8.65
Average		141.79	70.75	24.69	9.20
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of August 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		ug/m3	ug/m3	ug/m3	ug/m3	mg/cum
01/08/2023 to 02/08/2023	WTP - Township (Vill. - Majhaulti)	38.66	57.22	19.75	7.39	0.56
02/08/2023 to 03/08/2023	Siyaram House (Vill. - Kunda)	31.86	50.64	15.26	6.14	0.42
02/08/2023 to 03/08/2023	Dwarika Prasad House (Vill. - Manihari)	34.52	52.41	18.34	7.62	0.41
04/08/2023 to 05/08/2023	WTP - Township (Vill. - Majhaulti)	39.28	58.37	19.71	8.06	0.52
05/08/2023 to 06/08/2023	Siyaram House (Vill. - Kunda)	32.94	51.38	16.21	6.47	0.38
05/08/2023 to 06/08/2023	Dwarika Prasad House (Vill. - Manihari)	33.07	53.21	16.98	6.54	0.39
08/08/2023 to 09/08/2023	WTP - Township (Vill. - Majhaulti)	36.24	56.15	18.37	8.68	0.53
09/08/2023 to 10/08/2023	Siyaram House (Vill. - Kunda)	32.41	50.88	13.65	5.48	0.32
09/08/2023 to 10/08/2023	Dwarika Prasad House (Vill. - Manihari)	33.74	54.36	14.43	5.97	0.37
11/08/2023 to 12/08/2023	WTP - Township (Vill. - Majhaulti)	35.87	55.94	17.62	7.79	0.55
12/08/2023 to 13/08/2023	Siyaram House (Vill. - Kunda)	31.14	51.67	14.32	5.98	0.33



12/08/2023 to 13/08/2023	Dwarika Prasad House (Vill. - Manihari)	32.45	52.76	15.01	7.11	0.38
15/08/2023 to 16/08/2023	WTP - Township (Vill. - Majhauri)	37.42	57.65	19.22	7.92	0.47
16/08/2023 to 17/08/2023	Siyaram House (Vill. - Kunda)	32.68	52.66	15.04	6.36	0.34
16/08/2023 to 17/08/2023	Dwarika Prasad House (Vill. - Manihari)	32.84	53.07	15.67	6.83	0.42
18/08/2023 to 19/08/2023	WTP - Township (Vill. - Majhauri)	36.53	55.48	20.32	8.75	0.49
19/08/2023 to 20/08/2023	Siyaram House (Vill. - Kunda)	33.51	53.28	15.19	6.59	0.3
19/08/2023 to 20/08/2023	Dwarika Prasad House (Vill. - Manihari)	34.05	54.34	16.03	7.28	0.43
22/08/2023 to 23/08/2023	WTP - Township (Vill. - Majhauri)	34.47	55.39	18.53	7.49	0.48
23/08/2023 to 24/08/2023	Siyaram House (Vill. - Kunda)	30.55	51.24	16.15	5.23	0.31
23/08/2023 to 24/08/2023	Dwarika Prasad House (Vill. - Manihari)	31.62	52.28	14.06	5.75	0.35
25/08/2023 to 26/08/2023	WTP - Township (Vill. - Majhauri)	35.25	56.74	18.31	7.81	0.46
26/08/2023 to 27/08/2023	Siyaram House (Vill. - Kunda)	28.94	48.39	11.54	5.02	0.28
26/08/2023 to 27/08/2023	Dwarika Prasad House (Vill. - Manihari)	29.23	49.45	12.09	5.12	0.29
Average		33.72	53.54	16.33	6.81	0.41
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - August 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)
04/08/2023 to 05/08/2023	At Mine Site (Mine Office) (Core Zone)	74.7	66.2	43.6	42.6	69.24	59.37
04/08/2023 to 05/08/2023	WTP - Township (Vill. - Majhauli)	54.5	43.9	34.7	30.4	52.32	42.13
05/08/2023 to 06/08/2023	Siyaram House (Vill. - Kunda)	50.3	38.6	27.2	26.4	44.27	34.17
05/08/2023 to 06/08/2023	Dwarika Prasad House (Vill. - Manihari)	52.4	43.1	31.6	28.7	48.37	38.45
18/08/2023 to 19/08/2023	At Mine Site (Mine Office) (Core Zone)	73.1	63.4	44.2	36.9	64.54	54.33
18/08/2023 to 19/08/2023	WTP - Township (Vill. - Majhauli)	53.6	44.7	35.1	31.2	51.45	41.33
19/08/2023 to 20/08/2023	Siyaram House (Vill. - Kunda)	48.4	39.2	28.3	27.5	45.42	35.14
19/08/2023 to 20/08/2023	Dwarika Prasad House (Vill. - Manihari)	51.3	42.8	29.8	28.9	48.54	39.32
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 - August-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
03/08/2023	ETP - 300 KLD (Inlet)	7.83	170.54	125.64	8.45	28	34.84	324	35.47
03/08/2023	ETP - 300 KLD (Outlet)	7.44	55.62	20.86	<0.4	28	11.26	126	13.41
17/08/2023	ETP - 300 KLD (Inlet)	7.88	174.35	132.56	9.94	27.6	31.21	316	34.56
17/08/2023	ETP - 300 KLD (Outlet)	7.48	56.07	26.43	<0.4	27.6	12.08	114	12.25
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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
03/08/2023	ETP - 80 KLD (Inlet)	7.87	186.87	129.46	10.22	27	33.41	280	38.65
03/08/2023	ETP - 80 KLD (Outlet)	7.46	51.65	18.42	<0.4	27	10.78	112	9.45
17/08/2023	ETP - 80 KLD (Inlet)	7.85	178.55	125.24	9.82	26.7	35.26	275	33.78
17/08/2023	ETP - 80 KLD (Outlet)	7.47	50.42	16.62	<0.4	26.7	12.46	108	8.63
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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	
03/08/2023	STP - 300 KLD (Inlet)	7.62	225.74	38.45	108.39	25.7	6.04	267	
03/08/2023	STP - 300 KLD (Outlet)	7.21	78.52	16.75	21.22	25.7	<0.2	37	
17/08/2023	STP - 300 KLD (Inlet)	7.67	232.48	43.14	110.52	26	5.32	271	
17/08/2023	STP - 300 KLD (Outlet)	7.28	83.62	17.21	25.37	26	<0.2	43	
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	



JPVL Amelia (North) Coal Mine						
Daily pH details for the month of August 2023						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/08/2023	7.84	7.43	7.82	7.41	7.67	7.28
02/08/2023	7.88	7.47	7.86	7.42	7.65	7.26
03/08/2023	7.87	7.46	7.83	7.44	7.62	7.21
04/08/2023	7.89	7.48	7.85	7.45	7.61	7.22
05/08/2023	7.85	7.42	7.81	7.39	7.64	7.24
06/08/2023	7.86	7.45	7.87	7.46	7.65	7.25
07/08/2023	7.83	7.41	7.82	7.43	7.62	7.21
08/08/2023	7.82	7.4	7.83	7.42	7.67	7.29
09/08/2023	7.84	7.43	7.87	7.47	7.65	7.24
10/08/2023	7.88	7.48	7.86	7.46	7.63	7.22
11/08/2023	7.86	7.45	7.82	7.44	7.68	7.28
12/08/2023	7.85	7.44	7.84	7.43	7.64	7.26
13/08/2023	7.91	7.49	7.83	7.4	7.59	7.18
14/08/2023	7.88	7.48	7.81	7.39	7.61	7.23
15/08/2023	7.87	7.46	7.8	7.42	7.63	7.24
16/08/2023	7.86	7.45	7.84	7.43	7.58	7.19
17/08/2023	7.85	7.47	7.88	7.48	7.67	7.28
18/08/2023	7.87	7.46	7.86	7.44	7.65	7.26
19/08/2023	7.83	7.41	7.89	7.49	7.63	7.21
20/08/2023	7.82	7.4	7.86	7.43	7.64	7.23
21/08/2023	7.86	7.45	7.84	7.42	7.66	7.24
22/08/2023	7.88	7.48	7.85	7.41	7.62	7.25
23/08/2023	7.85	7.44	7.83	7.4	7.63	7.22
24/08/2023	7.87	7.46	7.82	7.43	7.64	7.26
25/08/2023	7.89	7.49	7.84	7.41	7.61	7.27
26/08/2023	7.85	7.44	7.81	7.42	7.62	7.21
27/08/2023	7.84	7.43	7.87	7.46	7.65	7.24
28/08/2023	7.82	7.4	7.89	7.49	7.67	7.26
29/08/2023	7.86	7.45	7.91	7.48	7.66	7.25
30/08/2023	7.87	7.46	7.88	7.47	7.64	7.23
31/08/2023	7.88	7.48	7.85	7.43	7.68	7.28



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/ 149

Date: 10.10.2023

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 **September – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd

(Authorized Signatory)

Sandip
10.10.2023
Amalendu
10.10.2023

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)26141540,26147411 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.jpventure.com**E-mail:**jpvl.investor@jalindia.co.in
CIN:L40101MP1994PLC042920



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - September - 2023

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		ug/m3	ug/m3	ug/m3	ug/m3
04/09/2023 to 05/09/2023	At Mine Site (Mine Office) (Core Zone)	124.06	62.23	22.54	8.41
07/09/2023 to 08/09/2023	At Mine Site (Mine Office) (Core Zone)	122.87	61.56	21.68	8.32
11/09/2023 to 12/09/2023	At Mine Site (Mine Office) (Core Zone)	123.57	62.11	22.45	8.13
14/09/2023 to 15/09/2023	At Mine Site (Mine Office) (Core Zone)	118.39	60.83	21.02	7.95
18/09/2023 to 19/09/2023	At Mine Site (Mine Office) (Core Zone)	120.68	63.24	23.16	8.22
21/09/2023 to 22/09/2023	At Mine Site (Mine Office) (Core Zone)	125.33	65.48	24.52	8.76
25/09/2023 to 26/09/2023	At Mine Site (Mine Office) (Core Zone)	136.25	75.69	26.37	9.34
28/09/2023 to 29/09/2023	At Mine Site (Mine Office) (Core Zone)	142.12	78.96	28.43	9.87
Average		126.66	66.26	23.77	8.63
Limits as per EP Rules 1986		360	180	80	80

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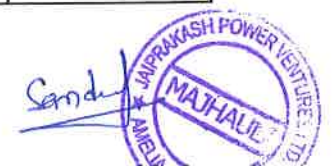
JPVL Amelia (North) Coal Mine						
Ambient Air Quality Monitoring Reports for the month of September - 2023						
Date of Monitoring	Sampling Location	Parameters				
		PM2.5	PM10	NO2	SO2	CO
		ug/m3	ug/m3	ug/m3	ug/m3	mg/cum
04/09/2023 to 05/09/2023	WTP - Township (Vill. - Majhauri)	28.42	46.33	15.85	7.12	0.41
05/09/2023 to 06/09/2023	Siyaram House (Vill. - Kunda)	25.6	41.22	11.56	4.67	0.25
05/09/2023 to 06/09/2023	Dwarika Prasad House (Vill. - Manihari)	26.43	42.59	12.15	4.89	0.26
07/09/2023 to 08/09/2023	WTP - Township (Vill. - Majhauri)	29.04	47.25	15.93	7.34	0.42
08/09/2023 to 09/09/2023	Siyaram House (Vill. - Kunda)	25.14	40.81	11.38	4.55	0.23
08/09/2023 to 09/09/2023	Dwarika Prasad House (Vill. - Manihari)	26.16	42.02	12.05	4.86	0.24
11/09/2023 to 12/09/2023	WTP - Township (Vill. - Majhauri)	27.08	48.55	14.17	6.56	0.38
12/09/2023 to 13/09/2023	Siyaram House (Vill. - Kunda)	23.76	38.89	10.64	4.05	0.21
12/09/2023 to 13/09/2023	Dwarika Prasad House (Vill. - Manihari)	24.32	38.96	10.75	4.93	0.23
14/09/2023 to 15/09/2023	WTP - Township (Vill. - Majhauri)	26.35	45.18	13.92	5.74	0.36
15/09/2023 to 16/09/2023	Siyaram House (Vill. - Kunda)	24.06	39.64	11.48	5.07	0.22



15/09/2023 to 16/09/2023	Dwarika Prasad House (Vill. - Manihari)	25.69	40.27	11.54	5.28	0.27
18/09/2023 to 19/09/2023	WTP - Township (Vill. - Majhauri)	28.76	46.94	14.26	6.01	0.43
19/09/2023 to 20/09/2023	Siyaram House (Vill. - Kunda)	26.28	42.17	12.23	5.36	0.28
19/09/2023 to 20/09/2023	Dwarika Prasad House (Vill. - Manihari)	27.55	43.62	11.87	5.73	0.29
21/09/2023 to 22/09/2023	WTP - Township (Vill. - Majhauri)	32.02	50.46	16.35	7.83	0.47
22/09/2023 to 23/09/2023	Siyaram House (Vill. - Kunda)	27.45	43.36	12.74	5.62	0.3
22/09/2023 to 23/09/2023	Dwarika Prasad House (Vill. - Manihari)	28.24	44.13	13.04	6.08	0.32
25/09/2023 to 26/09/2023	WTP - Township (Vill. - Majhauri)	35.24	56.38	19.44	8.16	0.51
26/09/2023 to 27/09/2023	Siyaram House (Vill. - Kunda)	30.08	49.52	13.25	6.14	0.34
26/09/2023 to 27/09/2023	Dwarika Prasad House (Vill. - Manihari)	32.62	52.35	14.21	6.33	0.36
28/09/2023 to 29/09/2023	WTP - Township (Vill. - Majhauri)	37.9	58.52	20.63	8.21	0.54
29/09/2023 to 30/09/2023	Siyaram House (Vill. - Kunda)	31.83	52.75	14.01	6.86	0.37
29/09/2023 to 30/09/2023	Dwarika Prasad House (Vill. - Manihari)	33.04	54.26	14.32	7.01	0.38
Average		28.46	46.09	13.66	6.02	0.34
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine							
Ambient Noise Monitoring Reports for the month of - September - 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)
04/09/2023 to 05/09/2023	At Mine Site (Mine Office) (Core Zone)	74.5	64.2	44.3	40.4	65.11	54.76
04/09/2023 to 05/09/2023	WTP - Township (Vill. - Majhauri)	53.8	44.2	33.9	31.7	50.64	41.06
05/09/2023 to 06/09/2023	Siyaram House (Vill. - Kunda)	51.6	39.5	27.4	26.2	45.88	35.24
05/09/2023 to 06/09/2023	Dwarika Prasad House (Vill. - Manihari)	52.9	42.3	29.6	28.5	47.52	36.33
18/09/2023 to 19/09/2023	At Mine Site (Mine Office) (Core Zone)	73.2	65.7	43.8	41.3	65.73	55.48
18/09/2023 to 19/09/2023	WTP - Township (Vill. - Majhauri)	54.1	43.5	36.4	34.8	52.18	42.57
19/09/2023 to 20/09/2023	Siyaram House (Vill. - Kunda)	49.3	38.4	28.2	25.7	44.35	34.62
19/09/2023 to 20/09/2023	Dwarika Prasad House (Vill. - Manihari)	53.5	43.7	30.4	29.2	49.26	38.92
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 - September-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
06/09/2023	ETP - 300 KLD (Inlet)	7.86	178.35	126.58	10.04	27	33.27	312	32.42
06/09/2023	ETP - 300 KLD (Outlet)	7.45	51.78	22.35	<0.4	27	11.42	116	12.24
20/09/2023	ETP - 300 KLD (Inlet)	7.92	175.24	124.32	9.88	28	31.65	310	30.76
20/09/2023	ETP - 300 KLD (Outlet)	7.52	50.08	19.22	<0.4	28	10.56	112	9.74
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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
06/09/2023	ETP - 80 KLD (Inlet)	7.84	188.25	134.12	9.75	25.3	35.82	326	29.64
06/09/2023	ETP - 80 KLD (Outlet)	7.43	52.46	25.32	<0.4	25.3	12.54	122	10.28
20/09/2023	ETP - 80 KLD (Inlet)	7.81	192.43	138.04	10.66	25.6	32.59	331	34.62
20/09/2023	ETP - 80 KLD (Outlet)	7.42	54.28	26.15	<0.4	25.6	11.36	124	12.87
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000
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	
06/09/2023	STP - 300 KLD (Inlet)	7.64	256.85	42.36	110.23	26	5.48	275	
06/09/2023	STP - 300 KLD (Outlet)	7.24	72.32	14.06	18.54	26	<0.2	38	
20/09/2023	STP - 300 KLD (Inlet)	7.63	254.32	40.28	108.54	25	4.16	270	
20/09/2023	STP - 300 KLD (Outlet)	7.22	68.57	13.82	16.38	25	<0.2	32	
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	

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JPVL Amelia (North) Coal Mine						
Daily pH details for the month of September 2023						
Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/09/2023	7.85	7.44	7.81	7.43	7.65	7.27
02/09/2023	7.87	7.46	7.85	7.41	7.64	7.25
03/09/2023	7.86	7.45	7.82	7.43	7.61	7.23
04/09/2023	7.88	7.47	7.84	7.44	7.6	7.21
05/09/2023	7.87	7.46	7.87	7.46	7.63	7.22
06/09/2023	7.84	7.43	7.86	7.45	7.64	7.24
07/09/2023	7.82	7.42	7.81	7.44	7.61	7.2
08/09/2023	7.81	7.41	7.82	7.43	7.66	7.28
09/09/2023	7.85	7.44	7.86	7.46	7.64	7.23
10/09/2023	7.86	7.47	7.85	7.45	7.62	7.21
11/09/2023	7.87	7.46	7.81	7.43	7.67	7.27
12/09/2023	7.84	7.43	7.83	7.42	7.63	7.25
13/09/2023	7.89	7.48	7.82	7.41	7.65	7.23
14/09/2023	7.87	7.47	7.8	7.4	7.62	7.22
15/09/2023	7.86	7.45	7.83	7.43	7.64	7.21
16/09/2023	7.85	7.44	7.84	7.42	7.63	7.24
17/09/2023	7.84	7.46	7.87	7.47	7.65	7.27
18/09/2023	7.86	7.45	7.85	7.43	7.62	7.25
19/09/2023	7.82	7.43	7.91	7.49	7.64	7.2
20/09/2023	7.81	7.42	7.92	7.52	7.63	7.22
21/09/2023	7.85	7.44	7.86	7.45	7.65	7.23
22/09/2023	7.87	7.47	7.84	7.42	7.61	7.24
23/09/2023	7.84	7.43	7.82	7.41	7.62	7.21
24/09/2023	7.86	7.45	7.83	7.44	7.63	7.25
25/09/2023	7.88	7.48	7.85	7.43	7.66	7.26
26/09/2023	7.84	7.43	7.82	7.41	7.61	7.22
27/09/2023	7.83	7.42	7.86	7.45	7.64	7.23
28/09/2023	7.81	7.41	7.88	7.48	7.68	7.25
29/09/2023	7.85	7.44	7.89	7.47	7.65	7.24
30/09/2023	7.86	7.45	7.87	7.46	7.63	7.21

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