

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/2022-23/119

Date: 11.11.2022

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-54950, Validity: 31/03/2023, Outward No: 114390, dated 4/01/2022.

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– 2022.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

(Authorized Signatory)

[Signature]
11-11-2022



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

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

JAYPEE
GROUP

JPVL Amelia (North) Coal Mine

Waste and Treated Water Analysis Reports for the month of - October 2022

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	pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	BOD (3 days at 27 degree C)	TDS	Fecal Coliform	
05/10/2022	ETP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml
		7.87	179.69	113.42	8.32	26.5	36.82	230	38.42										220
		7.47	44.73	25.38	<0.4	26	12.46	104.78	8.34										40
		7.86	156.5	124.34	9.75	26.5	42.45	264.38	43.48										280
		7.46	53.79	35.48	<0.4	26.1	17.52	102.23	11.77										50
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000										
05/10/2022	ETP - 80 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml
		7.88	153.29	62.39	8.74	26.5	21	168.4	31.31										168.4
		7.48	53.59	26.41	<0.4	25.8	14.58	124	13.55										124
		7.81	142.5	70	8.28	27.5	36	179.48	26.59										179.48
		7.41	55.58	24.79	<0.4	26.5	13.42	106.84	8.28										106.84
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000										
05/10/2022	STP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml
		7.62	133.79	25.78	78	26.5	7.16	220											220
		7.32	45.58	10.37	18.68	26	<0.2	40											40
		7.63	172.21	24.23	97.46	26.7	3.45	280											280
		7.33	54.29	13.68	18.45	25.6	<0.2	50											50
Prescribed Limit for Out let Water		6.5-9.0	250	30	<100	-	10	<1000											



JPVL Amelia (North) Coal Mine

Ambient Noise Monitoring Reports for the month of - October 2022

Date of Monitoring	Sampling Location	Parameters									
		Lmax				Lmin				Leq	
		dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 06 am)	dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 06 am)	dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 06 am)	dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 06 am)		
06/10/2022 to 07/10/2022	At Mine Site (Mine Office) (Core Zone)	63.9	56.7	42.3	41.7	56.21	49.38				
06/10/2022 to 07/10/2022	WTP - Township (Vill. - Majhauri)	53.9	42.5	41.6	34.6	48.19	37.59				
07/10/2022 to 08/10/2022	Siyaram House (Vill. - Kunda)	52.7	43.1	39.1	34.4	45.79	39.61				
07/10/2022 to 08/10/2022	Dwarika Prasad House (Vill. - Manihari)	51.6	42.6	36.5	32.4	42.71	38.19				
20/10/2022 to 21/10/2022	At Mine Site (Mine Office) (Core Zone)	73.1	60.9	45.8	38.4	63.31	51.27				
20/10/2022 to 21/10/2022	WTP - Township (Vill. - Majhauri)	53.3	43.2	39.4	35.4	46.7	38.39				
21/10/2022 to 22/10/2022	Siyaram House (Vill. - Kunda)	49.8	42.5	35.3	32.5	41.31	38.68				
21/10/2022 to 22/10/2022	Dwarika Prasad House (Vill. - Manihari)	51.7	41.6	38.6	32.5	46.47	36.38				
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

Ambient Air Quality Monitoring Reports for the month of - October 2022

Date of Monitoring	Sampling Location	Parameters			
		SPM microgm/cum	RSPM microgm/cum	NO2 microgm/cum	SO2 microgm/cum
03/10/2022 to 04/10/2022	At Mine Site (Mine Office) (Core Zone)	115.51	55.22	20.46	11.77
06/10/2022 to 07/10/2022	At Mine Site (Mine Office) (Core Zone)	114.77	55.11	23.49	10.52
10/10/2022 to 11/10/2022	At Mine Site (Mine Office) (Core Zone)	113.87	54.31	23.31	9.18
13/10/2022 to 14/10/2022	At Mine Site (Mine Office) (Core Zone)	124.67	58.66	23.43	9.44
17/10/2022 to 18/10/2022	At Mine Site (Mine Office) (Core Zone)	125.18	58.71	20.61	9.48
20/10/2022 to 21/10/2022	At Mine Site (Mine Office) (Core Zone)	105.22	53.72	23.49	9.31
24/10/2022 to 25/10/2022	At Mine Site (Mine Office) (Core Zone)	119.55	56.44	26.72	9.41
27/10/2022 to 28/10/2022	At Mine Site (Mine Office) (Core Zone)	129.73	66.34	22.69	9.41
Average		118.56	57.31	23.02	9.81
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - October 2022

Date of Monitoring	Sampling Location	Parameters					
		PM2.5 microgm/cum	PM10 microgm/cum	NO2 microgm/cum	SO2 microgm/cum	CO mg/cum	
03/10/2022 to 04/10/2022	WTP - Township (Vill. - Majhauri)	23.5	37.59	16.57	11.31	0.58	
04/10/2022 to 05/10/2022	Siyaram House (Vill. - Kunda)	30.87	56.16	17.24	8.68	0.48	
04/10/2022 to 05/10/2022	Dwarika Prasad House (Vill. - Manihari)	30.51	41.71	16.32	8.28	0.42	
06/10/2022 to 07/10/2022	WTP - Township (Vill. - Majhauri)	31.58	43.08	25.56	8.44	0.48	
07/10/2022 to 08/10/2022	Siyaram House (Vill. - Kunda)	28.36	49.26	17.31	7.47	0.61	
07/10/2022 to 08/10/2022	Dwarika Prasad House (Vill. - Manihari)	29.48	51.66	18.56	9.38	0.48	
10/10/2022 to 11/10/2022	WTP - Township (Vill. - Majhauri)	26.44	49.5	18.22	6.12	0.42	

Sincerely,



11/10/2022 to 12/10/2022	Siyaram House (Vill. - Kunda)	23.51	50.08	20.38	7.61	0.45
11/10/2022 to 12/10/2022	Dwarika Prasad House (Vill. - Manihari)	30.75	52.24	18.57	9.42	0.52
13/10/2022 to 14/10/2022	WTP - Township (Vill. - Majhauri)	34.51	57.1	18.45	9.58	0.47
14/10/2022 to 15/10/2022	Siyaram House (Vill. - Kunda)	25.41	46.84	17.41	8.56	0.52
14/10/2022 to 15/10/2022	Dwarika Prasad House (Vill. - Manihari)	29.51	47.86	19.48	8.57	0.49
17/10/2022 to 18/10/2022	WTP - Township (Vill. - Majhauri)	31.42	56.06	18.51	7.17	0.58
18/10/2022 to 19/10/2022	Siyaram House (Vill. - Kunda)	29.68	41.53	15.59	8.78	0.51
18/10/2022 to 19/10/2022	Dwarika Prasad House (Vill. - Manihari)	31.35	41.37	16.68	8.77	0.61
20/10/2022 to 21/10/2022	WTP - Township (Vill. - Majhauri)	29.38	44.28	18.61	9.41	0.49
21/10/2022 to 22/10/2022	Siyaram House (Vill. - Kunda)	29.56	40.38	17.54	9.21	0.52
21/10/2022 to 22/10/2022	Dwarika Prasad House (Vill. - Manihari)	28.75	39.63	16.62	7.84	0.51



24/10/2022 to 25/10/2022	WTP - Township (Vill. - Majhauri)	27.77	40.83	17.51	7.61	0.61
25/10/2022 to 26/10/2022	Siyaram House (Vill. - Kunda)	29.48	43.87	17.58	9.31	0.52
25/10/2022 to 26/10/2022	Dwarika Prasad House (Vill. - Manihari)	27.83	54.11	18.68	7.12	0.51
27/10/2022 to 28/10/2022	WTP - Township (Vill. - Majhauri)	29.66	44.44	18.68	7.55	0.59
28/10/2022 to 29/10/2022	Siyaram House (Vill. - Kunda)	30.38	57.08	17.18	8.45	0.61
28/10/2022 to 29/10/2022	Dwarika Prasad House (Vill. - Manihari)	32.16	58.11	18.51	8.31	0.58
Average		29.24	47.69	18.15	8.45	0.52
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine

Daily pH details for the month of October 2022

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/10/2022	7.86	7.46	7.84	7.44	7.67	7.37
02/10/2022	7.87	7.47	7.86	7.46	7.65	7.35
03/10/2022	7.89	7.49	7.82	7.42	7.63	7.33
04/10/2022	7.85	7.45	7.85	7.45	7.66	7.36
05/10/2022	7.88	7.48	7.87	7.47	7.62	7.32
06/10/2022	7.81	7.41	7.88	7.48	7.63	7.33
07/10/2022	7.83	7.43	7.9	7.5	7.65	7.35
08/10/2022	7.86	7.46	7.86	7.46	7.68	7.38
09/10/2022	7.85	7.45	7.85	7.45	7.67	7.37
10/10/2022	7.87	7.47	7.84	7.44	7.66	7.36
11/10/2022	7.84	7.44	7.82	7.42	7.69	7.38
12/10/2022	7.88	7.48	7.83	7.43	7.68	7.38
13/10/2022	7.9	7.5	7.81	7.41	7.7	7.4
14/10/2022	7.89	7.49	7.85	7.45	7.72	7.42
15/10/2022	7.86	7.46	7.84	7.44	7.68	7.38
16/10/2022	7.87	7.47	7.86	7.46	7.71	7.41
17/10/2022	7.84	7.44	7.89	7.49	7.69	7.39
18/10/2022	7.82	7.42	7.88	7.48	7.67	7.37
19/10/2022	7.81	7.41	7.86	7.46	7.63	7.33
20/10/2022	7.85	7.45	7.83	7.43	7.65	7.35
21/10/2022	7.86	7.46	7.84	7.44	7.66	7.36
22/10/2022	7.83	7.43	7.82	7.42	7.64	7.34
23/10/2022	7.84	7.44	7.8	7.4	7.67	7.37
24/10/2022	7.8	7.4	7.86	7.46	7.69	7.39
25/10/2022	7.85	7.45	7.88	7.48	7.7	7.4
26/10/2022	7.82	7.42	7.89	7.49	7.68	7.38
27/10/2022	7.87	7.47	7.85	7.45	7.66	7.36
28/10/2022	7.89	7.49	7.87	7.47	7.67	7.37
29/10/2022	7.88	7.48	7.86	7.46	7.69	7.39
30/10/2022	7.84	7.44	7.82	7.42	7.72	7.42
31/10/2022	7.83	7.43	7.83	7.43	7.68	7.38

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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/2022-23/ 133

Date: 09.12.2022

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-54950, Validity: 31/03/2023, Outward No: 114390, dated 4/01/2022.

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– 2022.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

Eg/12/22
(Authorized Signatory)
[Signature]
09.12.2022
[Signature]
09.12.2022

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

JPVL Amelia (North) Coal Mine

Waste and Treated Water Analysis Reports for the month of - November 2022

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	pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Fecal Coliform
03/11/2022	ETP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml
03/11/2022	ETP - 300 KLD (Outlet)	7.85	175.48	116.68	8.89	25.6	33.36	310	40.35	7.68	128.68	23.59	75.24	25.6	7.86	170		
17/11/2022	ETP - 300 KLD (Outlet)	7.45	42.86	27.66	<0.4	25.2	14.21	112.8	9.12	7.38	42.66	12.48	19.88	26.2	<0.2	35		
17/11/2022	ETP - 300 KLD (Inlet)	7.83	151.68	122.44	9.2	25.1	38.56	268.27	41.52	7.65	166.36	22.46	88.73	24.2	2.92	280		
17/11/2022	ETP - 300 KLD (Outlet)	7.43	50.46	33.68	<0.4	24.6	15.62	100.45	13.57	7.35	51.46	10.44	17.66	26.9	<0.2	42		
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000	5.5-9.0	250	30	100	-	10	1000		
Date of Sampling		Parameters																
Sampling Location		Parameters																
03/11/2022	ETP - 80 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
03/11/2022	ETP - 80 KLD (Outlet)	7.82	149.36	65	9.11	24.8	23.24	286.4	29.85	7.42	55.57	21	<0.4	24.5	15.68	119.24	14.76	
17/11/2022	ETP - 80 KLD (Inlet)	7.84	139.5	68.24	9.01	25.4	34.62	270	27.68	7.84	139.5	68.24	9.01	25.4	34.62	270	27.68	
17/11/2022	ETP - 80 KLD (Outlet)	7.44	53.44	22.51	<0.4	24.9	14.68	139.6	8.78	7.44	53.44	22.51	<0.4	24.9	14.68	139.6	8.78	
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000	5.5-9.0	250	100	10	-	30	2100	1000	



JPVL Amelia (North) Coal Mine

Ambient Noise Monitoring Reports for the month of - November 2022

Date of Monitoring	Sampling Location	Parameters					
		Lmax		Lmin		Leq	
		dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 06 am)	dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 6 am)	dB(A) Day Time (6 am 10 pm)	dB(A) Night Time (10 pm to 6 am)
04/11/2022 to 05/11/2022	At Mine Site (Mine Office) (Core Zone)	69.8	57.9	44.9	43.2	60.14	50.66
04/11/2022 to 05/11/2022	WTP - Township (Vill. - Majhauji)	53.7	43.1	41.2	36.9	50.45	39.79
05/11/2022 to 06/11/2022	Siyaram House (Vill. - Kunda)	49.9	42.6	36.4	33.8	42.48	38.22
05/11/2022 to 06/11/2022	Dwarika Prasad House (Vill. - Manihari)	50.8	41.3	37.1	32.8	44.34	37.43
25/11/2022 to 26/11/2022	At Mine Site (Mine Office) (Core Zone)	71.3	59.7	42.7	37.1	63.48	51.5
25/11/2022 to 26/11/2022	WTP - Township (Vill. - Majhauji)	51.6	44.2	38.3	36.5	44.9	40.12
26/11/2022 to 27/11/2022	Siyaram House (Vill. - Kunda)	52.6	43.9	37.8	34.2	43.62	38.28
26/11/2022 to 27/11/2022	Dwarika Prasad House (Vill. - Manihari)	51.7	41.6	38.6	32.5	46.47	36.38
CPCB Limit in dB(A) Leg (Industrial Area)		-	-	-	-	75	70
CPCB Limit in dB(A) Leg (Residential Area)		-	-	-	-	55	45



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - November 2022

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		microgm/cum	microgm/cum	microgm/cum	microgm/cum
01/11/2022 to 02/11/2022	At Mine Site (Mine Office) (Core Zone)	135.11	66.56	24.69	8.1
04/11/2022 to 05/11/2022	At Mine Site (Mine Office) (Core Zone)	137.43	65.86	25.89	10.4
8/11/2022 to 9/11/2022	At Mine Site (Mine Office) (Core Zone)	138.27	69.06	23.57	11.46
11/11/2022 to 12/11/2022	At Mine Site (Mine Office) (Core Zone)	133.38	64.1	22.36	9.07
15/11/2022 to 16/11/2022	At Mine Site (Mine Office) (Core Zone)	132.63	63.84	22.42	9.81
18/11/2022 to 19/11/2022	At Mine Site (Mine Office) (Core Zone)	139.68	70.38	25.84	10.53
22/11/2022 to 23/11/2022	At Mine Site (Mine Office) (Core Zone)	134.23	62.68	26.21	10.05
25/11/2022 to 26/11/2022	At Mine Site (Mine Office) (Core Zone)	131.28	63.72	21.13	8.78
Average		135.25	65.77	24.01	9.77
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - November 2022

Date of Monitoring	Sampling Location	Parameters				
		PM2.5 microgm/cum	PM10 microgm/cum	NO2 microgm/cum	SO2 microgm/cum	CO mg/cum
01/11/2022 to 02/11/2022	WTP - Township (Vill. - Majhauri)	35.68	58.43	22.92	9.23	0.57
02/11/2022 to 03/11/2022	Siyaram House (Vill. - Kunda)	29.47	50.31	18.02	9.92	0.52
02/11/2022 to 03/11/2022	Dwarika Prasad House (Vill. - Manhari)	34.63	51.22	19.34	8.28	0.49
04/11/2022 to 05/11/2022	WTP - Township (Vill. - Majhauri)	36.24	56.1	20.58	10.01	0.54
05/11/2022 to 06/11/2022	Siyaram House (Vill. - Kunda)	33.13	53.68	14.53	7.26	0.48
05/11/2022 to 06/11/2022	Dwarika Prasad House (Vill. - Manhari)	30.93	54.32	15.16	8.54	0.47
8/11/2022 to 9/11/2022	WTP - Township (Vill. - Majhauri)	37.86	57.21	19.02	8.18	0.56



9/11/2022 to 10/11/2022	Siyaram House (Vill. - Kunda)	28.79	49.47	15.92	6.85	0.42
9/11/2022 to 10/11/2022	Dwarika Prasad House (Vill. - Manihari)	31.8	53.71	17.11	8.65	0.5
11/11/2022 to 12/11/2022	WTP - Township (Vill. - Majhauri)	36.28	59.68	21.12	8	0.51
12/11/2022 to 13/11/2022	Siyaram House (Vill. - Kunda)	32.18	54.1	15.28	8.19	0.45
12/11/2022 to 13/11/2022	Dwarika Prasad House (Vill. - Manihari)	34.78	54.14	16.86	8.38	0.46
15/11/2022 to 16/11/2022	WTP - Township (Vill. - Majhauri)	38.18	57.42	20.47	8.34	0.54
16/11/2022 to 17/11/2022	Siyaram House (Vill. - Kunda)	30.77	51.17	14.36	7.29	0.48
16/11/2022 to 17/11/2022	Dwarika Prasad House (Vill. - Manihari)	33.87	52.1	18.33	9.24	0.45
18/11/2022 to 19/11/2022	WTP - Township (Vill. - Majhauri)	39.13	59.96	24.33	9.88	0.58
19/11/2022 to 20/11/2022	Siyaram House (Vill. - Kunda)	31.81	50.96	16.23	8.69	0.46
19/11/2022 to 20/11/2022	Dwarika Prasad House (Vill. - Manihari)	32.92	52.6	15.01	7.11	0.44



22/11/2022 to 23/11/2022	WTP - Township (Vill. - Majhauri)	35.08	55.1	19.23	8.11	0.55
23/11/2022 to 24/11/2022	Siyaram House (Vill. - Kunda)	51.52	55.52	15.66	8.15	0.42
23/11/2022 to 24/11/2022	Dwarika Prasad House (Vill. - Manihari)	33.1	53.24	17.19	7.56	0.43
25/11/2022 to 26/11/2022	WTP - Township (Vill. - Majhauri)	36.49	57.42	20.79	8.84	0.62
26/11/2022 to 27/11/2022	Siyaram House (Vill. - Kunda)	32.59	52.12	19.74	7.88	0.41
26/11/2022 to 27/11/2022	Dwarika Prasad House (Vill. - Manihari)	34.89	55.21	20	7.79	0.44
Average		34.67	54.38	18.21	8.34	0.49
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine

Daily pH details for the month of November 2022

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/11/2022	7.85	7.45	7.87	7.47	7.69	7.39
02/11/2022	7.84	7.44	7.88	7.48	7.67	7.37
03/11/2022	7.82	7.42	7.85	7.45	7.68	7.38
04/11/2022	7.86	7.46	7.89	7.49	7.65	7.35
05/11/2022	7.85	7.45	7.86	7.46	7.64	7.34
06/11/2022	7.82	7.42	7.84	7.44	7.63	7.33
07/11/2022	7.84	7.44	7.91	7.51	7.62	7.32
08/11/2022	7.86	7.46	7.87	7.47	7.66	7.36
09/11/2022	7.87	7.47	7.83	7.43	7.67	7.37
10/11/2022	7.85	7.45	7.86	7.46	7.69	7.39
11/11/2022	7.83	7.43	7.84	7.44	7.7	7.4
12/11/2022	7.84	7.44	7.85	7.45	7.68	7.38
13/11/2022	7.86	7.46	7.87	7.47	7.69	7.39
14/11/2022	7.88	7.48	7.88	7.48	7.71	7.41
15/11/2022	7.87	7.47	7.86	7.46	7.7	7.4
16/11/2022	7.89	7.49	7.84	7.44	7.68	7.38
17/11/2022	7.84	7.44	7.83	7.43	7.65	7.35
18/11/2022	7.86	7.46	7.85	7.45	7.64	7.34
19/11/2022	7.87	7.47	7.82	7.42	7.67	7.37
20/11/2022	7.88	7.48	7.84	7.44	7.69	7.39
21/11/2022	7.89	7.49	7.87	7.47	7.68	7.38
22/11/2022	7.86	7.46	7.86	7.47	7.65	7.35
23/11/2022	7.85	7.45	7.88	7.48	7.66	7.36
24/11/2022	7.84	7.44	7.85	7.45	7.67	7.37
25/11/2022	7.87	7.47	7.84	7.44	7.64	7.34
26/11/2022	7.88	7.48	7.83	7.43	7.63	7.33
27/11/2022	7.83	7.43	7.86	7.46	7.68	7.38
28/11/2022	7.84	7.44	7.89	7.49	7.65	7.35
29/11/2022	7.85	7.45	7.87	7.47	7.66	7.36
30/11/2022	7.86	7.46	7.85	7.45	7.69	7.39

Sample



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/2022-23/252

Date: 11.01.2023

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-54950, Validity: 31/03/2023, Outward No: 114390, dated 4/01/2022.

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– 2022.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

(Authorized Signatory)

[Signature]
11.01.2023

[Signature]
11.1.2023

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

Encl.: As above.

JAYPEE
GROUP

Site : Amelia(North)CoalMine,Vill,Majhauri,P.O.-Bandha,Tehsil-Deosar,
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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.jpvpowventures.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 - December 2022

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	pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Fecal Coliform		
07/12/2022	ETP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPPN/100ml	
		7.82	182.4	123.4	8.02	24.6	32.07	318	38.66										220	
		07/12/2022	ETP - 300 KLD (Outlet)	7.42	40.92	26.4	<0.4	24.6	11.87	104.91	10.44									36
21/12/2022	ETP - 300 KLD (Inlet)	7.86	148.33	117.1	8.44	24.8	34.11	251.47	44.12										280	
		21/12/2022	ETP - 300 KLD (Outlet)	7.46	45.27	37	<0.4	24.8	17.04	109.87	14.75									38
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000											
Parameters																				
07/12/2022	ETP - 80 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
		7.83	153.68	62	8.89	25	20.58	281.21	27.38											
		07/12/2022	ETP - 80 KLD (Outlet)	7.43	48.04	19	<0.4	25	14.84	122.54	12.68									
21/12/2022	ETP - 80 KLD (Inlet)	7.88	136.17	61.2	9.88	24.2	30.18	272	29.04											
		21/12/2022	ETP - 80 KLD (Outlet)	7.48	50.67	23.87	<0.4	24.2	12.68	135.8	9.14									
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000											
Parameters																				
07/12/2022	STP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
		7.6	123.48	20.89	70	22.8	6.92	220												
		07/12/2022	STP - 300 KLD (Outlet)	7.3	46.11	13.68	16	22.8	<0.2	36										
21/12/2022	STP - 300 KLD (Inlet)	7.67	155.65	23.68	83.54	21.6	3.04	280												
		21/12/2022	STP - 300 KLD (Outlet)	7.37	59.28	11.77	15.27	21.6	<0.2	38										
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 - December 2022

Date of Monitoring	Sampling Location	Parameters							
		Lmax		Lmin		Leg		CPCB Limit in dB(A) Leg (Residential Area)	CPCB Limit in dB(A) Leg (Industrial Area)
		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)				
05/12/2022 to 06/12/2022	At Mine Site (Mine Office) (Core Zone)	72.1	61.6	46.5	41.4	63.34	52.41		
05/12/2022 to 06/12/2022	WTP - Township (Vill. - Majhauri)	52.3	42.6	39.8	35.2	47.86	41.2		
06/12/2022 to 07/12/2022	Siyaram House (Vill. - Kunda)	50.7	44.1	37.9	31.6	44.58	39.68		
06/12/2022 to 07/12/2022	Dwarika Prasad House (Vill. - Manthari)	54.1	43.6	40.6	34.1	47.59	39.78		
19/12/2022 to 20/12/2022	At Mine Site (Mine Office) (Core Zone)	70.2	57.9	40.2	36.3	60.55	49.69		
19/12/2022 to 20/12/2022	WTP - Township (Vill. - Majhauri)	53.1	43.6	40.5	35.2	46.23	41.24		
20/12/2022 to 21/12/2022	Siyaram House (Vill. - Kunda)	52.4	42.5	39.2	36.8	48.63	40.01		
20/12/2022 to 21/12/2022	Dwarika Prasad House (Vill. - Manthari)	52.3	42.1	37.5	35.7	45.05	38.63		
CPCB Limit in dB(A) Leg (Industrial Area)		-	-	-	-	75	70		
CPCB Limit in dB(A) Leg (Residential Area)		-	-	-	-	55	45		



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of - December 2022

Date of Monitoring	Sampling Location	Parameters			
		SPM	RSPM	NO2	SO2
		microgm/cum	microgm/cum	microgm/cum	microgm/cum
05/12/2022 to 06/12/2022	At Mine Site (Mine Office) (Core Zone)	139.56	68.23	25.2	9.11
08/12/2022 to 09/12/2022	At Mine Site (Mine Office) (Core Zone)	135.16	63.54	23.47	9.57
12/12/2022 to 13/12/2022	At Mine Site (Mine Office) (Core Zone)	141.11	72.39	24.26	10.22
15/12/2022 to 16/12/2022	At Mine Site (Mine Office) (Core Zone)	130.45	62.51	20.68	8.28
19/12/2022 to 20/12/2022	At Mine Site (Mine Office) (Core Zone)	127.82	60.36	24.87	8.19
22/12/2022 to 23/12/2022	At Mine Site (Mine Office) (Core Zone)	142.36	72.66	21.39	9.19
26/12/2022 to 27/12/2022	At Mine Site (Mine Office) (Core Zone)	139.11	66.28	22.79	9.82
29/12/2022 to 30/12/2022	At Mine Site (Mine Office) (Core Zone)	128.54	61.02	22.69	9.13
Average		135.51	65.87	23.16	9.18
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of December 2022

Date of Monitoring	Sampling Location	Parameters					CO
		PM2.5 microgm/cum	PM10 microgm/cum	NO2 microgm/cum	SO2 microgm/cum	mg/cum	
05/12/2022 to 06/12/2022	WTP - Township (Vill. - Majhauri)	37.28	56.69	24.14	8.55	0.59	
06/12/2022 to 07/12/2022	Siyaram House (Vill. - Kunda)	30.58	51.52	19.39	8.65	0.44	
06/12/2022 to 07/12/2022	Dwarika Prasad House (Vill. - Manhari)	29.58	50.41	16.25	9.11	0.52	
08/12/2022 to 09/12/2022	WTP - Township (Vill. - Majhauri)	34.78	54.23	21.92	9.47	0.51	
09/12/2022 to 10/12/2022	Siyaram House (Vill. - Kunda)	32.48	52.04	13.74	6.62	0.42	
09/12/2022 to 10/12/2022	Dwarika Prasad House (Vill. - Manhari)	33.18	48.92	15.26	7.33	0.45	
12/12/2022 to 13/12/2022	WTP - Township (Vill. - Majhauri)	35.71	55.29	17.33	7.55	0.53	



13/12/2022 to 14/12/2022	Sivaram House (Vill. - Kunda)	30.14	51.14	14.41	7.22	0.4
13/12/2022 to 14/12/2022	Dwarika Prasad House (Vill. - Manihari)	32.59	52.17	17.62	7.23	0.48
15/12/2022 to 16/12/2022	WTP - Township (Vill. - Majhauri)	37.28	58.09	23.36	8.72	0.5
16/12/2022 to 17/12/2022	Sivaram House (Vill. - Kunda)	29.91	53.23	12.68	9.07	0.43
16/12/2022 to 17/12/2022	Dwarika Prasad House (Vill. - Manihari)	33.86	54.17	19.33	8.89	0.49
19/12/2022 to 20/12/2022	WTP - Township (Vill. - Majhauri)	36.21	58.29	19.02	7.92	0.52
20/12/2022 to 21/12/2022	Sivaram House (Vill. - Kunda)	32.43	53.29	12.91	8.11	0.45
20/12/2022 to 21/12/2022	Dwarika Prasad House (Vill. - Manihari)	35.46	55.36	16.89	8.76	0.47
22/12/2022 to 23/12/2022	WTP - Township (Vill. - Majhauri)	36.23	56.44	22.36	9.08	0.55
23/12/2022 to 24/12/2022	Sivaram House (Vill. - Kunda)	29.56	49.72	17.63	9.13	0.49
23/12/2022 to 24/12/2022	Dwarika Prasad House (Vill. - Manihari)	36.32	55.25	19.39	6.86	0.41



26/12/2022 to 27/12/2022	WTP - Township (Vill. - Majhauri)	35.25	57.73	18.42	9.35	0.54
27/12/2022 to 28/12/2022	Siyaram House (Vill. - Kunda)	28.92	48.72	19.66	8.43	0.46
27/12/2022 to 28/12/2022	Dwarika Prasad House (Vill. - Manihari)	35.46	56.72	18.38	8.44	0.44
29/12/2022 to 30/12/2022	WTP - Township (Vill. - Majhauri)	38.62	57.26	16.65	9.61	0.56
30/12/2022 to 31/12/2022	Siyaram House (Vill. - Kunda)	32.65	53.25	14.66	8.32	0.33
30/12/2022 to 31/12/2022	Dwarika Prasad House (Vill. - Manihari)	34.12	54.03	15.33	6.83	0.46
Average		33.69	53.91	17.78	8.3	0.47
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine

Daily pH details for the month of December 2022

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/12/2022	7.84	7.44	7.86	7.46	7.68	7.38
02/12/2022	7.83	7.43	7.87	7.47	7.66	7.36
03/12/2022	7.81	7.41	7.84	7.44	7.67	7.37
04/12/2022	7.85	7.45	7.88	7.48	7.64	7.34
05/12/2022	7.84	7.44	7.85	7.45	7.63	7.33
06/12/2022	7.81	7.41	7.83	7.43	7.62	7.32
07/12/2022	7.83	7.43	7.82	7.42	7.6	7.3
08/12/2022	7.85	7.45	7.86	7.46	7.65	7.35
09/12/2022	7.86	7.46	7.89	7.49	7.66	7.36
10/12/2022	7.84	7.44	7.85	7.45	7.68	7.38
11/12/2022	7.82	7.42	7.83	7.43	7.69	7.39
12/12/2022	7.83	7.43	7.84	7.44	7.67	7.37
13/12/2022	7.85	7.45	7.86	7.46	7.64	7.34
14/12/2022	7.87	7.47	7.87	7.47	7.62	7.32
15/12/2022	7.86	7.46	7.85	7.45	7.61	7.31
16/12/2022	7.88	7.48	7.83	7.43	7.63	7.33
17/12/2022	7.83	7.43	7.82	7.42	7.64	7.34
18/12/2022	7.85	7.45	7.84	7.44	7.65	7.35
19/12/2022	7.86	7.46	7.81	7.41	7.66	7.36
20/12/2022	7.87	7.47	7.83	7.43	7.68	7.38
21/12/2022	7.88	7.48	7.86	7.46	7.67	7.37
22/12/2022	7.85	7.45	7.85	7.45	7.64	7.34
23/12/2022	7.84	7.44	7.87	7.47	7.65	7.35
24/12/2022	7.83	7.43	7.84	7.44	7.66	7.36
25/12/2022	7.86	7.46	7.83	7.43	7.63	7.33
26/12/2022	7.87	7.47	7.82	7.42	7.62	7.32
27/12/2022	7.82	7.42	7.85	7.45	7.67	7.37
28/12/2022	7.83	7.43	7.88	7.48	7.64	7.34
29/12/2022	7.84	7.44	7.86	7.46	7.65	7.35
30/12/2022	7.85	7.45	7.84	7.44	7.62	7.32
31/12/2022	7.86	7.46	7.87	7.47	7.66	7.36

Handwritten signature


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/2022-23/ 267

Date: 11.02.2023

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-54950, Validity: 31/03/2023, Outward No: 114390, dated 4/01/2022.

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– 2023.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

[Handwritten Signature]
11/02/23
(Authorized Signatory)
[Handwritten Signature]
11.02.2023

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

JPVL Amelia (North) Coal Mine

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

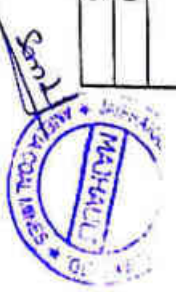
Date of Sampling	Sampling Location	Parameters																	
		pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Chloride	pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Fecal Coliform	
04/01/2023	ETP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml
		7.89	178.1	125.46	9.24	24.8	28.77	312	35.78	7.82	148.29	66	7.58	25	22.45	275.59	24.19	240	
		7.49	43.65	28.33	<0.4	24.8	13.49	101.57	12.66	04/01/2023	ETP - 300 KLD (Outlet)	7.42	45.29	17	<0.4	25	12.92	117.14	27
18/01/2023	ETP - 300 KLD (Inlet)	7.87	135.14	122.72	7.34	24	38.22	40.13	7.84	138.44	57.86	9.12	26.1	28.39	261	31.09	40.13	245	
		7.47	43.37	32	<0.4	24	15.39	112.47	16.08	18/01/2023	ETP - 80 KLD (Outlet)	7.44	46.72	20.43	<0.4	26.1	10.56	122.68	7.92
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000	Parameters									
Date of Sampling	Sampling Location	Parameters																	
		pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Temperature	Oil and Grease	BOD (3 days at 27 degree C)	TDS	Chloride									
04/01/2023	STP - 300 KLD (Inlet)	7.62	126.12	24.43	79	24.5	5.86	240	-										
04/01/2023	STP - 300 KLD (Outlet)	7.29	58.39	12.18	15	24.5	<0.2	27	-										
18/01/2023	STP - 300 KLD (Inlet)	7.68	130.19	25.48	87.38	22.3	2.68	245	-										
18/01/2023	STP - 300 KLD (Outlet)	7.32	61.74	13.61	18.71	22.3	<0.2	32	-										
Prescribed Limit for Out let Water		5.5-9.0	250	30	100	-	10	1000	-										



JPVL Armelia (North) Coal Mine

Ambient Noise Monitoring Reports for the month of - January 2023

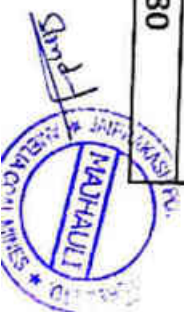
Date of Monitoring	Sampling Location	Parameters									
		Lmax				Lmin				Leq	
		dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 06 am)	dB(A) Day Time (6 am to 10 pm)	dB(A) Night Time (10 pm to 6 am)	dB(A) Day Time (6 am 10 pm)	dB(A) Night Time (10 pm to 6 am)	dB(A)	dB(A)		
05/01/2023 to 06/01/2023	At Mine Site (Mine Office) (Core Zone)	73.5	63.2	47.1	40.8	64.23	55.05				
05/01/2023 to 06/01/2023	WTP - Township (Vill. - Majhauri)	53.1	43.5	40.2	34.8	48.33	40.88				
06/01/2023 to 07/01/2023	Siyaram House (Vill. - Kunda)	53.5	42.6	39.1	33.8	47.21	38.33				
06/01/2023 to 07/01/2023	Dwarika Prasad House (Vill. - Manhari)	52.7	43.3	38.2	36.6	49.09	41.89				
19/01/2023 to 20/01/2023	At Mine Site (Mine Office) (Core Zone)	72.7	59.1	44.5	39.8	59.48	50.78				
19/01/2023 to 20/01/2023	WTP - Township (Vill. - Majhauri)	54.2	43.1	42.3	33.2	50.24	40.77				
20/01/2023 to 21/01/2023	Siyaram House (Vill. - Kunda)	50.9	41.9	40.6	34.3	46.17	39.28				
20/01/2023 to 21/01/2023	Dwarika Prasad House (Vill. - Manhari)	51.7	43.4	41.2	36.2	47.59	40.18				
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

Ambient Air Quality Monitoring Reports for the month of - January 2022

Date of Monitoring	Sampling Location	Parameters			
		SPM microgm/cum	RSPM microgm/cum	NO2 microgm/cum	SO2 microgm/cum
02/01/2023 to 03/01/2023	At Mine Site (Mine Office) (Core Zone)	134.24	65.78	23.11	8.48
05/01/2023 to 06/01/2023	At Mine Site (Mine Office) (Core Zone)	127.33	69.07	21.88	9.89
09/01/2023 to 10/01/2023	At Mine Site (Mine Office) (Core Zone)	146.38	75.08	25.46	8.92
12/01/2023 to 13/01/2023	At Mine Site (Mine Office) (Core Zone)	137.29	67.22	22.3	7.55
16/01/2023 to 17/01/2023	At Mine Site (Mine Office) (Core Zone)	124.48	54.29	24.08	7.14
19/01/2023 to 20/01/2023	At Mine Site (Mine Office) (Core Zone)	138.32	76.48	26.32	8.78
23/01/2023 to 24/01/2023	At Mine Site (Mine Office) (Core Zone)	133.23	61.58	25.01	8.48
26/01/2023 to 27/01/2023	At Mine Site (Mine Office) (Core Zone)	126.86	65.29	24.24	9.56
Average		133.51	66.84	21.88	8.6
Limits as per EP Rules 1986		360	180	80	80



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of January 2022

Date of Monitoring	Sampling Location	Parameters					CO
		PM2.5 microgm/cum	PM10 microgm/cum	NO2 microgm/cum	SO2 microgm/cum	mg/cum	
02/01/2023 to 03/01/2023	WTP - Township (Vill. - Majhauil)	33.18	53.69	21.29	7.29	0.54	
05/01/2023 to 06/01/2023	WTP - Township (Vill. - Majhauil)	34.12	54.69	22.02	9.23	0.59	
03/01/2023 to 04/01/2023	Siyaram House (Vill. - Kunda)	31.47	50.44	18.59	7.33	0.48	
06/01/2023 to 07/01/2023	Siyaram House (Vill. - Kunda)	30.84	51.69	15.47	6.55	0.44	
03/01/2023 to 04/01/2023	Dwarika Prasad House (Vill. - Manihari)	32.24	51.23	19.47	8.05	0.46	
06/01/2023 to 07/01/2023	Dwarika Prasad House (Vill. - Manihari)	30.68	49.35	16.18	8.29	0.5	
09/01/2023 to 10/01/2023	WTP - Township (Vill. - Majhauil)	37.7	56.41	18.77	6.39	0.55	
12/01/2023 to 13/01/2023	WTP - Township (Vill. - Majhauil)	35.66	55.19	23.11	7.04	0.52	



10/01/2023 to 11/01/2023	Siyaram House (Vill. - Kunda)	32.07	53.88	16.39	8.66	0.51
13/01/2023 to 14/01/2023	Siyaram House (Vill. - Kunda)	33.24	54.83	17.61	6.55	0.45
10/01/2023 to 11/01/2023	Dwarika Prasad House (Vill. - Manihari)	33.69	54.38	17.53	8.01	0.52
13/01/2023 to 14/01/2023	Dwarika Prasad House (Vill. - Manihari)	34.13	55.75	18.22	7.92	0.49
16/01/2023 to 17/01/2023	WTP - Township (Vill. - Majhauri)	38.66	57.08	18.23	9.12	0.56
19/01/2023 to 20/01/2023	WTP - Township (Vill. - Majhauri)	37.01	58.39	21.12	8.56	0.61
17/01/2023 to 18/01/2023	Siyaram House (Vill. - Kunda)	29.55	48.02	15.39	7.68	0.42
20/01/2023 to 21/01/2023	Siyaram House (Vill. - Kunda)	32.12	52.21	14.69	8.01	0.47
17/01/2023 to 18/01/2023	Dwarika Prasad House (Vill. - Manihari)	31.06	52.92	15.48	6.92	0.44
20/01/2023 to 21/01/2023	Dwarika Prasad House (Vill. - Manihari)	33.01	53.61	17.89	9.66	0.53
23/01/2023 to 24/01/2023	WTP - Township (Vill. - Majhauri)	32.14	55.26	22.57	6.86	0.51

26/01/2023 to 27/01/2023	WTP - Township (Vill. - Majhault)	36.61	57.12	18.35	8.12	0.58
24/01/2023 to 25/01/2023	Siyaram House (Vill. - Kunda)	30.1	49.22	14.92	7.01	0.4
27/01/2023 to 28/01/2023	Siyaram House (Vill. - Kunda)	29.19	48.92	16.47	7.78	0.38
24/01/2023 to 25/01/2023	Dwarika Prasad House (Vill. - Manihari)	34.86	52.19	20.11	9.29	0.55
27/01/2023 to 28/01/2023	Dwarika Prasad House (Vill. - Manihari)	35.19	53.92	19.62	6.22	0.51
Average		33.27	53.34	18.31	7.77	0.5
NAAQS Limit		60	100	80	80	4



JPVL Amelia (North) Coal Mine

Daily pH details for the month of January 2023

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/01/2023	7.85	7.45	7.83	7.43	7.65	7.32
02/01/2023	7.86	7.46	7.87	7.47	7.64	7.31
03/01/2023	7.84	7.44	7.88	7.48	7.66	7.33
04/01/2023	7.82	7.42	7.89	7.49	7.62	7.29
05/01/2023	7.87	7.47	7.86	7.46	7.59	7.28
06/01/2023	7.85	7.45	7.83	7.43	7.6	7.3
07/01/2023	7.88	7.48	7.85	7.45	7.61	7.32
08/01/2023	7.86	7.46	7.9	7.5	7.63	7.33
09/01/2023	7.89	7.49	7.91	7.51	7.65	7.29
10/01/2023	7.9	7.5	7.87	7.47	7.67	7.34
11/01/2023	7.87	7.47	7.86	7.46	7.64	7.32
12/01/2023	7.84	7.44	7.85	7.45	7.68	7.35
13/01/2023	7.85	7.45	7.84	7.44	7.69	7.33
14/01/2023	7.88	7.48	7.83	7.43	7.7	7.36
15/01/2023	7.86	7.46	7.91	7.51	7.66	7.34
16/01/2023	7.83	7.43	7.89	7.49	7.67	7.29
17/01/2023	7.82	7.42	7.9	7.5	7.65	7.25
18/01/2023	7.84	7.44	7.87	7.47	7.68	7.32
19/01/2023	7.85	7.45	7.82	7.42	7.64	7.25
20/01/2023	7.83	7.43	7.85	7.45	7.63	7.24
21/01/2023	7.87	7.47	7.84	7.44	7.69	7.36
22/01/2023	7.88	7.48	7.86	7.46	7.67	7.35
23/01/2023	7.84	7.44	7.83	7.43	7.66	7.34
24/01/2023	7.86	7.46	7.89	7.49	7.68	7.33
25/01/2023	7.89	7.49	7.88	7.48	7.65	7.27
26/01/2023	7.85	7.45	7.87	7.47	7.62	7.22
27/01/2023	7.83	7.43	7.83	7.43	7.63	7.24
28/01/2023	7.82	7.42	7.85	7.46	7.59	7.2
29/01/2023	7.81	7.41	7.82	7.42	7.64	7.26
30/01/2023	7.8	7.4	7.84	7.44	7.67	7.35
31/01/2023	7.84	7.44	7.86	7.46	7.66	7.34



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/2022-23/275

Date: 10.03.2023

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-54950, Validity: 31/03/2023, Outward No: 114390, dated 4/01/2022.

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– 2023.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

[Handwritten Signature]
10/03/23
(Authorized Signatory)
[Handwritten Signature]
10.03.2023

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

Waste and Treated Water Analysis Reports for the month of - February 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	pH (at 25 degree C)	COD	BOD (3 days at 27 degree C)	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	TDS	Fecal Coliform	
03/02/2023	ETP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l										
		7.85	181.35	121.68	8.33	24.1	26.49	308	31.87										
		7.42	40.54	21.92	<0.4	24.1	12.33	106.74	10.36										
17/02/2023	ETP - 300 KLD (Inlet)	7.83	142.28	125.17	7.04	24.2	34.01	37.75											
	ETP - 300 KLD (Outlet)	7.44	45.24	30	<0.4	24.2	12.89	14.22											
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000										
Parameters																			
03/02/2023	ETP - 80 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l										
		7.86	135.11	63	6.86	26	25.12	265.23	26.01										
		7.45	48.68	15	<0.4	26	11.88	112.54	14.36										
17/02/2023	ETP - 80 KLD (Inlet)	7.89	141.12	54.47	8.56	26.4	27.89	33.24											
	ETP - 80 KLD (Outlet)	7.51	44.78	18.32	<0.4	26.4	10.28	9.84											
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000										
Parameters																			
03/02/2023	STP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml											
		7.71	123.57	21.68	71	24.3	4.47	260											
		7.28	57.54	13.67	14	24.3	<0.2	25											
17/02/2023	STP - 300 KLD (Inlet)	7.7	132.26	27.12	81.42	22.6	3.01	265											
	STP - 300 KLD (Outlet)	7.3	58.24	11.55	21.08	22.6	<0.2	30											
Prescribed Limit for Outlet Water		5.5-9.0	250	30	100	-	10	1000											



JPVL Amelia (North) Coal Mine

Ambient Noise Monitoring Reports for the month of - February 2023

Date of Monitoring	Sampling Location	Parameters							
		Lmax		Lmin		Leq		Day Time (6 am to 10 pm)	Night Time (10 pm to 6 am)
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)		
04/02/2023 to 05/02/2023	At Mine Site (Mine Office) (Core Zone)	71.8	62.5	44.5	38.1	62.25	54.24		
04/02/2023 to 05/02/2023	WTP - Township (Vill. - Majhaili)	51.8	42.6	39.3	33.4	47.16	39.24		
05/02/2023 to 06/02/2023	Siyaram House (Vill. - Kunda)	52.8	41.3	40.5	34.9	47.89	40.19		
05/02/2023 to 06/02/2023	Dwarika Prasad House (Vill. - Manihari)	51.4	42.8	38.5	35.3	48.68	40.26		
18/02/2023 to 19/02/2023	At Mine Site (Mine Office) (Core Zone)	67.1	57.8	46.7	37.2	57.36	51.28		
18/02/2023 to 19/02/2023	WTP - Township (Vill. - Majhaili)	53.4	40.6	43.1	35.2	49.66	38.56		
19/02/2023 to 20/02/2023	Siyaram House (Vill. - Kunda)	49.9	39.3	38.3	34.1	45.92	37.87		
19/02/2023 to 20/02/2023	Dwarika Prasad House (Vill. - Manihari)	52.1	41.8	42.8	37.3	49.92	41.88		
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

Ambient Air Quality Monitoring Reports for the month of - February 2022

Date of Monitoring	Sampling Location	Parameters										
		SPM ug/m ³	RSPM ug/m ³	NO ₂ ug/m ³	SO ₂ ug/m ³	Pb ug/m ³	As ng/m ³	Ni ng/m ³	Hg ng/m ³	Cr ng/m ³	Cd ng/m ³	
01/02/2023 to 02/02/2023	At Mine Site (Mine Office) (Core Zone)	135.24	66.78	24.58	9.48	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
04/02/2023 to 05/02/2023	At Mine Site (Mine Office) (Core Zone)	132.86	71.24	23.43	8.56	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
08/02/2023 to 09/02/2023	At Mine Site (Mine Office) (Core Zone)	142.56	74.26	24.05	9.33	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
11/02/2023 to 12/02/2023	At Mine Site (Mine Office) (Core Zone)	145.15	75.85	25.63	8.12	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
15/02/2023 to 16/02/2023	At Mine Site (Mine Office) (Core Zone)	139.46	69.12	22.78	8.98	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
18/02/2023 to 19/02/2023	At Mine Site (Mine Office) (Core Zone)	140.68	72.03	24.32	9.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
22/02/2023 to 23/02/2023	At Mine Site (Mine Office) (Core Zone)	147.24	78.12	25.47	9.22	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
25/02/2023 to 26/02/2023	At Mine Site (Mine Office) (Core Zone)	138.63	66.28	25.64	9.87	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
Average		140.22	71.71	24.48	9.07	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	
Limits as per EP Rules 1986		360	180	80	80	1	6	20	--	--	--	



JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of February 2023

Date of Monitoring	Sampling Location	Parameters												
		PM2.5	PM10	NO2	SO2	CO	Pb	As	Ni	Hg	Cr	Cd		
01/02/2023 to 02/02/2023	WTP - Township (Vill. - Majhauil)	34.69	54.78	20.28	7.86	0.58	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
02/02/2023 to 03/02/2023	Siyaram House (Vill. - Kunda)	29.01	46.92	14.33	6.68	0.41	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
02/02/2023 to 03/02/2023	Dwarika Prasad House (Vill. - Manthari)	33.41	52.05	17.43	7.88	0.45	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
04/02/2023 to 05/02/2023	WTP - Township (Vill. - Majhauil)	35.46	55.71	17.23	7.12	0.61	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
05/02/2023 to 06/02/2023	Siyaram House (Vill. - Kunda)	31.14	52.81	14.92	5.32	0.4	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
05/02/2023 to 06/02/2023	Dwarika Prasad House (Vill. - Manthari)	32.11	53.66	15.02	6.92	0.56	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
08/02/2023 to 09/02/2023	WTP - Township (Vill. - Majhauil)	35.41	55.43	17.23	8.76	0.51	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
09/02/2023 to 10/02/2023	Siyaram House (Vill. - Kunda)	30.12	49.89	15.69	6.35	0.42	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
09/02/2023 to 10/02/2023	Dwarika Prasad House (Vill. - Manthari)	34.56	53.26	16.02	6.12	0.47	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
11/02/2023 to 12/02/2023	WTP - Township (Vill. - Majhauil)	36.52	57.24	21.89	8.67	0.53	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
12/02/2023 to 13/02/2023	Siyaram House (Vill. - Kunda)	31.74	50.23	15.65	7.22	0.39	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ



12/02/2023 to 13/02/2023	Dwarika Prasad House (Vill. - Manihari)	33.83	54.98	18.12	7.92	0.51	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
15/02/2023 to 16/02/2023	WTP - Township (Vill. - Majhauil)	36.14	56.36	20.11	9.86	0.54	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
16/02/2023 to 17/02/2023	Siyaram House (Vill. - Kunda)	32.44	50.23	16.07	8.22	0.41	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
16/02/2023 to 17/02/2023	Dwarika Prasad House (Vill. - Manihari)	33.68	53.53	19.4	8.45	0.49	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
18/02/2023 to 19/02/2023	WTP - Township (Vill. - Majhauil)	35.46	57.38	18.03	8.56	0.59	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
19/02/2023 to 20/02/2023	Siyaram House (Vill. - Kunda)	33.48	52.89	16.07	7.89	0.38	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
19/02/2023 to 20/02/2023	Dwarika Prasad House (Vill. - Manihari)	34.24	54.77	15.26	7.35	0.46	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
22/02/2023 to 23/02/2023	WTP - Township (Vill. - Majhauil)	37.58	57.66	20.74	9.05	0.57	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
23/02/2023 to 24/02/2023	Siyaram House (Vill. - Kunda)	31.73	51.49	15.42	6.05	0.43	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
23/02/2023 to 24/02/2023	Dwarika Prasad House (Vill. - Manihari)	35.54	52.32	15.65	7.62	0.48	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
25/02/2023 to 26/02/2023	WTP - Township (Vill. - Majhauil)	38.21	58.32	17.36	8.83	0.61	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
26/02/2023 to 27/02/2023	Siyaram House (Vill. - Kunda)	32.78	50.92	14.87	7.31	0.45	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
26/02/2023 to 27/02/2023	Dwarika Prasad House (Vill. - Manihari)	32.87	53.46	16.69	7.89	0.48	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Average		33.83	53.59	17.06	7.66	0.48	--	--	--	--	--	--	--	--	--
NAAQS Limit		60	100	80	80	4	1	6	20	--	--	--	--	--	--



JPLV Amelia (North) Coal Mine

Daily pH details for the month of February 2023

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/02/2023	7.87	7.48	7.84	7.41	7.75	7.32
02/02/2023	7.89	7.57	7.86	7.43	7.7	7.29
03/02/2023	7.86	7.45	7.85	7.42	7.71	7.28
04/02/2023	7.82	7.41	7.87	7.45	7.72	7.31
05/02/2023	7.84	7.45	7.91	7.49	7.67	7.25
06/02/2023	7.86	7.47	7.85	7.48	7.7	7.3
07/02/2023	7.88	7.49	7.92	7.54	7.69	7.29
08/02/2023	7.91	7.51	7.88	7.44	7.66	7.24
09/02/2023	7.87	7.46	7.89	7.47	7.68	7.26
10/02/2023	7.83	7.42	7.9	7.5	7.64	7.23
11/02/2023	7.81	7.41	7.92	7.52	7.63	7.21
12/02/2023	7.85	7.45	7.86	7.45	7.65	7.22
13/02/2023	7.84	7.43	7.84	7.42	7.72	7.32
14/02/2023	7.86	7.48	7.87	7.46	7.75	7.33
15/02/2023	7.82	7.42	7.82	7.39	7.69	7.29
16/02/2023	7.87	7.49	7.8	7.41	7.71	7.31
17/02/2023	7.89	7.51	7.83	7.44	7.7	7.3
18/02/2023	7.85	7.43	7.88	7.46	7.64	7.26
19/02/2023	7.8	7.4	7.85	7.45	7.59	7.24
20/02/2023	7.81	7.42	7.87	7.48	7.61	7.25
21/02/2023	7.86	7.47	7.9	7.51	7.56	7.23
22/02/2023	7.84	7.45	7.92	7.52	7.69	7.21
23/02/2023	7.9	7.52	7.89	7.49	7.81	7.37
24/02/2023	7.91	7.5	7.84	7.46	7.82	7.39
25/02/2023	7.89	7.49	7.83	7.42	7.78	7.35
26/02/2023	7.87	7.48	7.85	7.43	7.74	7.32
27/02/2023	7.88	7.46	7.86	7.45	7.76	7.34
28/02/2023	7.85	7.42	7.87	7.49	7.79	7.38



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/2023-24/08

Date: 10.04.2023

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 **March – 2023**.

For your kind perusal and acceptance please.

Thanking you,

Yours faithfully,

For Jaiprakash Power Ventures Ltd.

(Authorized Signatory)

Sandip
10.04.2023

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

Waste and Treated Water Analysis Reports for the month of - March 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	Fecal Coliform	
03/03/2023	ETP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l		
		7.84	175.68	123.36	7.58	25.3	23.72	319	35.24		
		7.41	43.39	22.04	<0.4	25.3	14.05	113.68	11.87		
17/03/2023	ETP - 300 KLD (Outlet)	7.88	138.48	126.29	8.55	25.1	31.66	303.18	39.14		
	ETP - 300 KLD (Inlet)	7.47	42.58	28.55	<0.4	25.1	10.47	119.47	16.82		
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000		
Parameters											
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	Fecal Coliform	
03/03/2023	ETP - 80 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	mg/l	mg/l		
		7.82	132.28	61	5.92	24.2	23.89	261.29	25.05		
		7.42	47.65	13	<0.4	24.2	10.39	110.33	12.14		
17/03/2023	ETP - 80 KLD (Outlet)	7.86	148.58	50.44	7.24	24.5	26.12	253	30.48		
	ETP - 80 KLD (Inlet)	7.48	46.26	16.76	<0.4	24.5	12.59	109.65	10.21		
Prescribed Limit for Out let Water		5.5-9.0	250	100	10	-	30	2100	1000		
Parameters											
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			
03/03/2023	STP - 300 KLD (Inlet)	-	mg/l	mg/l	mg/l	degree C	mg/l	MPN/100ml			
		7.67	120.34	18.82	68	23.2	3.86	265			
		7.32	52.43	15.55	13	23.2	<0.2	27			
17/03/2023	STP - 300 KLD (Outlet)	7.73	136.58	25.46	84.26	21.8	3.6	270			
	STP - 300 KLD (Inlet)	7.29	57.76	12.47	20.16	21.8	<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

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

Date of Monitoring	Sampling Location	Parameters			
		SPM ug/m ³	RSPM ug/m ³	NO ₂ ug/m ³	SO ₂ ug/m ³
01/03/2023 to 02/03/2023	At Mine Site (Mine Office) (Core Zone)	131.56	61.45	22.69	8.78
04/03/2023 to 05/03/2023	At Mine Site (Mine Office) (Core Zone)	138.62	74.63	25.05	9.86
08/03/2023 to 09/03/2023	At Mine Site (Mine Office) (Core Zone)	139.56	78.06	26.16	8.46
11/03/2023 to 12/03/2023	At Mine Site (Mine Office) (Core Zone)	146.36	73.44	23.87	9.45
15/03/2023 to 16/03/2023	At Mine Site (Mine Office) (Core Zone)	149.36	75.89	26.31	10.16
18/03/2023 to 19/03/2023	At Mine Site (Mine Office) (Core Zone)	143.24	70.35	25.48	8.69
22/03/2023 to 23/03/2023	At Mine Site (Mine Office) (Core Zone)	152.48	79.35	24.15	9.78
25/03/2023 to 26/03/2023	At Mine Site (Mine Office) (Core Zone)	144.58	69.14	23.89	9.24
Average		143.22	72.78	24.7	9.3
Limits as per EP Rules 1986		360	180	80	80

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JPVL Amelia (North) Coal Mine

Ambient Noise Monitoring Reports for the month of - March 2023

Date of Monitoring	Sampling Location	Parameters							
		Lmax		Lmin		Leq		CPCB Limit in dB(A) Leq (Industrial Area)	CPCB Limit in dB(A) Leq (Residential Area)
		Day Time (6 am to 10 pm) dB(A)	Night Time (10 pm to 06 am) dB(A)	Day Time (6 am to 10 pm) dB(A)	Night Time (10 pm to 6 am) dB(A)	Day Time (6 am 10 pm) dB(A)	Night Time (10 pm to 6 am) dB(A)		
04/03/2023 to 05/03/2023	At Mine Site (Mine Office) (Core Zone)	73.2	63.9	43.9	39.3	63.58	52.87		
04/03/2023 to 05/03/2023	WTP - Township (Vill. - Majhauri)	51.5	42.9	40.7	34.8	48.18	38.63		
05/03/2023 to 06/03/2023	Siyaram House (Vill. - Kunda)	52.4	42.7	39.2	33.5	50.33	39.22		
05/03/2023 to 06/03/2023	Dwarika Prasad House (Vill. - Manihari)	52.1	41.6	37.3	35.3	47.26	41.87		
18/03/2023 to 19/03/2023	At Mine Site (Mine Office) (Core Zone)	65.8	55.6	45.5	36.8	58.69	50.47		
18/03/2023 to 19/03/2023	WTP - Township (Vill. - Majhauri)	53.8	43.4	39.7	33.1	49.13	37.83		
19/03/2023 to 20/03/2023	Siyaram House (Vill. - Kunda)	51.3	40.6	37.5	32.7	44.59	36.92		
19/03/2023 to 20/03/2023	Dwarika Prasad House (Vill. - Manihari)	52.5	42.9	38.1	34.8	48.84	40.12		
CPCB Limit in dB(A) Leq (Industrial Area)		-	-	-	-	75	70		
CPCB Limit in dB(A) Leq (Residential Area)		-	-	-	-	55	45		

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JPVL Amelia (North) Coal Mine

Ambient Air Quality Monitoring Reports for the month of March 2023

Date of Monitoring	Sampling Location	Parameters					CO
		PM2.5	PM10	NO2	SO2	mg/cum	
01/03/2023 to 02/03/2023	WTP - Township (Vill. - Majhauri)	35.25	55.26	17.44	7.23	0.5	
02/03/2023 to 03/03/2023	Siyaram House (Vill. - Kunda)	32.58	44.68	12.92	6.12	0.39	
02/03/2023 to 03/03/2023	Dwarika Prasad House (Vill. - Manthari)	33.14	46.19	13.48	6.76	0.41	
04/03/2023 to 05/03/2023	WTP - Township (Vill. - Majhauri)	37.62	56.85	19.29	8.55	0.59	
05/03/2023 to 06/03/2023	Siyaram House (Vill. - Kunda)	29.72	48.16	14.12	5.85	0.38	
05/03/2023 to 06/03/2023	Dwarika Prasad House (Vill. - Manthari)	30.26	51.34	15.35	7.24	0.4	
08/03/2023 to 09/03/2023	WTP - Township (Vill. - Majhauri)	34.76	57.11	18.89	9.14	0.55	
09/03/2023 to 10/03/2023	Siyaram House (Vill. - Kunda)	32.18	49.58	16.08	7.01	0.43	
09/03/2023 to 10/03/2023	Dwarika Prasad House (Vill. - Manthari)	34.24	51.78	16.11	6.25	0.45	
11/03/2023 to 12/03/2023	WTP - Township (Vill. - Majhauri)	36.58	56.39	18.56	7.74	0.51	
12/03/2023 to 13/03/2023	Siyaram House (Vill. - Kunda)	31.92	51.69	15.13	7.32	0.44	

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12/03/2023 to 13/03/2023	Dwarika Prasad House (Vill. - Manihari)	32.1	52.04	16.48	8.11	0.42
15/03/2023 to 16/03/2023	WTP - Township (Vill. - Majhauil)	36.26	57.14	22.68	7.66	0.5
16/03/2023 to 17/03/2023	Siyaram House (Vill. - Kunda)	31.68	52.13	14.96	6.85	0.46
16/03/2023 to 17/03/2023	Dwarika Prasad House (Vill. - Manihari)	32.85	53.42	15.96	7.02	0.49
18/03/2023 to 19/03/2023	WTP - Township (Vill. - Majhauil)	36.87	56.44	17.26	9.36	0.52
19/03/2023 to 20/03/2023	Siyaram House (Vill. - Kunda)	32.44	53.76	15.75	7.45	0.37
19/03/2023 to 20/03/2023	Dwarika Prasad House (Vill. - Manihari)	33.09	54.13	16.33	6.49	0.44
22/03/2023 to 23/03/2023	WTP - Township (Vill. - Majhauil)	38.06	58.15	18.09	8.56	0.52
23/03/2023 to 24/03/2023	Siyaram House (Vill. - Kunda)	30.76	53.1	16.59	6.96	0.43
23/03/2023 to 24/03/2023	Dwarika Prasad House (Vill. - Manihari)	31.03	53.76	17.02	7.09	0.48
25/03/2023 to 26/03/2023	WTP - Township (Vill. - Majhauil)	37.14	56.83	19.47	7.69	0.55
26/03/2023 to 27/03/2023	Siyaram House (Vill. - Kunda)	33.64	54.06	13.92	6.13	0.41
26/03/2023 to 27/03/2023	Dwarika Prasad House (Vill. - Manihari)	34.16	54.92	16.26	6.92	0.54
Average		33.68	53.28	16.59	7.31	0.46
NAAQS Limit		60	100	80	80	4

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JPVL Amelia (North) Coal Mine

Daily pH details for the month of March 2023

Date	ETP (80 KLD)		ETP (300 KLD)		STP (300 KLD)	
	pH Inlet	pH Outlet	pH Inlet	pH Outlet	pH Inlet	pH Outlet
01/03/2023	7.85	7.42	7.86	7.44	7.71	7.28
02/03/2023	7.88	7.46	7.88	7.49	7.69	7.29
03/03/2023	7.82	7.42	7.84	7.41	7.67	7.32
04/03/2023	7.84	7.44	7.89	7.44	7.7	7.3
05/03/2023	7.87	7.48	7.85	7.48	7.72	7.32
06/03/2023	7.89	7.57	7.9	7.49	7.68	7.28
07/03/2023	7.86	7.45	7.91	7.51	7.66	7.24
08/03/2023	7.82	7.41	7.87	7.46	7.69	7.27
09/03/2023	7.84	7.43	7.88	7.45	7.71	7.29
10/03/2023	7.88	7.49	7.86	7.44	7.73	7.33
11/03/2023	7.91	7.51	7.85	7.43	7.67	7.25
12/03/2023	7.87	7.46	7.89	7.48	7.64	7.23
13/03/2023	7.83	7.42	7.87	7.47	7.66	7.24
14/03/2023	7.81	7.41	7.91	7.52	7.7	7.3
15/03/2023	7.85	7.45	7.86	7.46	7.72	7.32
16/03/2023	7.84	7.43	7.84	7.45	7.74	7.34
17/03/2023	7.86	7.48	7.88	7.47	7.73	7.29
18/03/2023	7.82	7.42	7.87	7.49	7.7	7.3
19/03/2023	7.87	7.49	7.84	7.42	7.65	7.25
20/03/2023	7.89	7.51	7.85	7.43	7.64	7.24
21/03/2023	7.8	7.4	7.83	7.42	7.67	7.27
22/03/2023	7.81	7.42	7.88	7.45	7.68	7.26
23/03/2023	7.86	7.47	7.86	7.46	7.66	7.24
24/03/2023	7.84	7.45	7.89	7.48	7.69	7.29
25/03/2023	7.9	7.52	7.87	7.49	7.74	7.34
26/03/2023	7.91	7.5	7.85	7.44	7.71	7.31
27/03/2023	7.89	7.49	7.82	7.4	7.73	7.33
28/03/2023	7.87	7.48	7.83	7.41	7.65	7.22
29/03/2023	7.88	7.46	7.86	7.46	7.7	7.3
30/03/2023	7.85	7.45	7.84	7.42	7.68	7.28
31/03/2023	7.83	7.42	7.87	7.48	7.67	7.25

Sandip