



Nilawar Laboratories
(A Unit of MNEC Consultants Pvt. Ltd)

NABL ACCREDITED LAB VIDE - TC-9782
CIN No. U74140MH112009PTC196108



TEST REPORT

Project Name & Address	: Urtan Coal Field, Taluka – Kotma, District – Anuppur (MP)		
Customer Name & Address	: JMS Mining Pvt. Ltd., Kolkata		
Contact Details	: 9822438061	Customer Reference	: --
Test Report No	: NL/NOISE/21	Sampling Date	: 05/01/2024 to 04/03/2024
Sample Received On	: --	Report Issue Date	: 30/03/2024
Sample ID.	: NL-0433/MAR23/NO-01 to NO-11	Date of Test Start	: --
Sampling Plan Ref.	: As per work Order	Date of Test complete	: --
Sampling Method Ref.	: IS 9989 : 1981	Sample Description	: Ambient Noise Sample
Sampling By	: Lab	ULR No.	: TC978223000000557F
Environmental Condition at the time of Sampling	: Avg. Temperature : 30.5 °C Avg. Humidity : 57 % Weather condition : Sunny	Remark	: --
Sample Quantity Received	: --		

- I. Chemical Testing
- II. Ambient Noise

DESCRIPTION LIST AMBIENT NOISE SAMPLES

Sr. No.	Lab Sample code	Client Sample code	Location	Lat.	Long.	Remark
				(Northing)	(Easting)	
1	NO-01	U -N 1	Thodha Village	23°15'24.1"N	081°59'21.7"E	Core Zone
2	NO-02	U -N 2	Baskhali Village	23.243979 N	081.997635 E	Core Zone
3	NO-03	U -N 3	Mauhari Village	23°16'08.3"N	082°00'25.1"E	Core Zone
4	NO-04	U -N 4	Baskhala Village	23.268902 N	081.997264 E	Proposed Coal Washery (Urtan North)
5	NO-05	U -N 5	Gadhi Village	23.29112 N	081.985755 E	Buffer Zone
6	NO-06	U -N 6	Muddhoa Village	23.276349 N	081.973556 E	Buffer Zone
7	NO-07	U -N 7	Reula Village	23.261723 N	081.964242 E	Buffer Zone
8	NO-08	U -N 8	Urtan Village	23°19'26.5"N	081°58'28.0"E	Buffer Zone
9	NO-09	U -N 9	Manmari Village	23°14'24.4"N	082°00'28.2"E	Buffer Zone
10	NO-10	U -N 10	Pathroudi Village	23.269325 N	082.032257 E	Buffer Zone
11	NO-11	U -N 11	Maintola Village	23.25311 N	082.054172 E	Buffer Zone



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TEST RESULTS

MEASURED NOISE LEVELS AT MONITORED STATIONS

Noise Level in dB(A)

NO-1	Thodaha Village
Time - SoundLevel	Sound Level - SoundLevel
12-01-24 10:05	51.2
12-01-24 11:05	50.8
12-01-24 12:05	50.2
12-01-24 13:05	49.6
12-01-24 14:05	49.1
12-01-24 15:05	48.5
12-01-24 16:05	48.2
12-01-24 17:05	49.5
12-01-24 18:05	50.4
12-01-24 19:05	48.8
12-01-24 20:05	48.1
12-01-24 21:05	46.8
12-01-24 22:05	45.2
12-01-24 23:05	44.9
13-01-24 0:05	44.3
13-01-24 1:05	43.5
13-01-24 2:05	41.8
13-01-24 3:05	40.6
13-01-24 4:05	40.1
13-01-24 5:05	40.3
13-01-24 6:05	42.3
13-01-24 7:05	46.9
13-01-24 8:05	49.2
13-01-24 9:05	50.3
Minimum	40.1
Maximum	51.2
Average	46.7

N-2	Baskhali Village
Time - SoundLevel	Sound Level - SoundLevel
02-02-24 9:25	51.8
02-02-24 10:25	52.6
02-02-24 11:25	52.4
02-02-24 12:25	51.9
02-02-24 13:25	50.9
02-02-24 14:25	50.1
02-02-24 15:25	50.6
02-02-24 16:25	49.8
02-02-24 17:25	49.5
02-02-24 18:25	49.1
02-02-24 19:25	48.6
02-02-24 20:25	49.1
28-10-23 21:30	48.2
02-02-24 22:25	47.3
02-02-24 23:25	46.7
03-02-24 0:25	45.8
03-02-24 1:25	44.1
03-02-24 2:25	43.2
03-02-24 3:25	42.3
03-02-24 4:25	42.1
03-02-24 5:25	41.8
03-02-24 6:25	42.5
03-02-24 7:25	43.6
03-02-24 8:25	45.2
03-02-24 9:25	48.1
Minimum	41.8
Maximum	52.6
Average	47.3

N-03	Mauhari Village
Time - SoundLevel	Sound Level - SoundLevel
26-01-24 9:25	46.8
26-01-24 10:25	48.2
26-01-24 11:25	48.8
26-01-24 12:25	49.1
26-01-24 13:25	48.5
26-01-24 14:25	47.3
26-01-24 15:25	47.2
26-01-24 16:25	47.1
26-01-24 17:25	46.8
26-01-24 18:25	46.3
26-01-24 19:25	45.2
26-01-24 20:25	44.6
26-01-24 21:25	44.1
26-01-24 22:25	43.8
26-01-24 23:25	43.2
27-01-24 0:25	42.9
27-01-24 1:25	41.9
27-01-24 2:25	41.5
27-01-24 3:25	40.9
27-01-24 4:25	40.5
27-01-24 5:25	39.9
27-01-24 6:25	42.1
27-01-24 7:25	43.2
27-01-24 8:25	45.5
27-01-24 9:25	46.8
Minimum	39.9
Maximum	49.1
Average	44.8

For M/s Nilawar Laboratories,




Dinesh Bangadkar
(Authorized Signatory)

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N-04	Baskhala Village
Time - SoundLevel	Sound Level - SoundLevel
19-01-24 9:00	53.3
19-01-24 10:00	56.1
19-01-24 11:00	55.2
19-01-24 12:00	54.8
19-01-24 13:00	53.9
19-01-24 14:00	52.7
19-01-24 15:00	51.1
19-01-24 16:00	50.6
19-01-24 17:00	49.3
19-01-24 18:00	49.8
19-01-24 19:00	47.2
19-01-24 20:00	46.8
19-01-24 21:00	45.3
19-01-24 22:00	45.1
19-01-24 23:00	44.2
20-01-24 0:00	43.6
20-01-24 1:00	42.8
20-01-24 2:00	41.9
20-01-24 3:00	41.2
20-01-24 4:00	40.8
20-01-24 5:00	41.5
20-01-24 6:00	43.6
20-01-24 7:00	45.2
20-01-24 8:00	45.1
20-01-24 9:00	46.9
Minimum	40.8
Maximum	56.1
Average	47.5

N-05	Gadhi Village
Time - SoundLevel	Sound Level - SoundLevel
09-02-24 10:05	55.8
09-02-24 11:05	57.2
09-02-24 12:05	56.3
09-02-24 13:05	53.8
09-02-24 14:05	52.9
09-02-24 15:05	52.4
09-02-24 16:05	51.9
09-02-24 17:05	52.7
09-02-24 18:05	50.6
09-02-24 19:05	50.1
09-02-24 20:05	49.3
09-02-24 21:05	48.2
09-02-24 22:05	48.1
09-02-24 23:05	47.3
10-02-24 0:05	46.1
10-02-24 1:05	44.6
10-02-24 2:05	42.6
10-02-24 3:05	41.5
10-02-24 4:05	40.9
10-02-24 5:05	40.1
10-02-24 6:05	40.3
10-02-24 7:05	42.6
10-02-24 8:05	44.5
10-02-24 9:05	48.2
10-02-24 10:05	50.4
Minimum	40.1
Maximum	57.2
Average	48.3

N-06	Muddhoa Village
Time - SoundLevel	Sound Level - SoundLevel
19-02-24 10:10	55.1
19-02-24 11:10	54.8
19-02-24 12:10	54.3
19-02-24 13:10	53.4
19-02-24 14:10	52.9
19-02-24 15:10	52.1
19-02-24 16:10	50.9
19-02-24 17:10	51.4
19-02-24 18:10	50.3
19-02-24 19:10	49.8
19-02-24 20:10	49.5
19-02-24 21:10	48.3
19-02-24 22:10	48.2
19-02-24 23:10	47.4
20-02-24 0:10	47.3
20-02-24 1:10	46.8
20-02-24 2:10	44.2
20-02-24 3:10	42.6
20-02-24 4:10	42.2
20-02-24 5:10	43.6
20-02-24 6:10	43.9
20-02-24 7:10	42.5
20-02-24 8:10	44.6
20-02-24 9:10	46.3
20-02-24 10:10	48.2
Minimum	42.2
Maximum	55.1
Average	48.4

For M/s Nilawar Laboratories,




Dinesh Bangadkar
(Authorized Signatory)

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N-07	Reula Village
Time - SoundLevel	Sound Level - SoundLevel
16-02-24 9:00	53.8
16-02-24 10:00	56.2
16-02-24 11:00	54.2
16-02-24 12:00	54.3
16-02-24 13:00	56.7
16-02-24 14:00	54.8
16-02-24 15:00	54.2
16-02-24 16:00	51.9
16-02-24 17:00	50.5
16-02-24 18:00	50.2
16-02-24 19:00	49.8
16-02-24 20:00	49.5
16-02-24 21:00	48.7
16-02-24 22:00	48.2
16-02-24 23:00	45.9
17-02-24 0:00	45.4
17-02-24 1:00	43.2
17-02-24 2:00	41.9
17-02-24 3:00	41.4
17-02-24 4:00	40.8
17-02-24 5:00	40.2
17-02-24 6:00	41.7
17-02-24 7:00	42.3
17-02-24 8:00	47.3
17-02-24 9:00	53.4
17-02-24 10:00	54.2
Minimum	40.2
Maximum	56.7
Average	48.9

N-08	Urtan Village
Time - SoundLevel	Sound Level - SoundLevel
23-02-24 10:15	49.2
23-02-24 11:15	48.8
23-02-24 12:15	48.1
23-02-24 13:15	47.9
23-02-24 14:15	46.5
23-02-24 15:15	48.2
23-02-24 16:15	46.3
23-02-24 17:15	46.5
23-02-24 18:15	49.6
23-02-24 19:15	48.6
23-02-24 20:15	47.5
23-02-24 21:15	44.2
23-02-24 22:15	43.2
23-02-24 23:15	42.5
24-02-24 0:15	41.9
24-02-24 1:15	41.8
24-02-24 2:15	40.8
24-02-24 3:15	40.2
24-02-24 4:15	41.3
24-02-24 5:15	40.9
24-02-24 6:15	42.6
24-02-24 7:15	44.1
24-02-24 8:15	44.9
24-02-24 9:15	46.5
24-02-24 10:15	48.8
Minimum	40.2
Maximum	49.6
Average	45.2

N-09	Manamri Village
Time - SoundLevel	Sound Level - SoundLevel
01-03-24 10:05	53.8
01-03-24 11:05	54.1
01-03-24 12:05	53.9
01-03-24 13:05	53.1
01-03-24 14:05	52.8
01-03-24 15:05	52.2
01-03-24 16:05	51.9
01-03-24 17:05	51.0
01-03-24 18:05	49.8
01-03-24 19:05	48.6
01-03-24 20:05	48.1
01-03-24 21:05	47.5
01-03-24 22:05	46.3
01-03-24 23:05	45.2
02-03-24 0:05	44.1
02-03-24 1:05	42.9
02-03-24 2:05	41.2
02-03-24 3:05	40.8
02-03-24 4:05	40.2
02-03-24 5:05	41.3
02-03-24 6:05	42.5
02-03-24 7:05	44.2
02-03-24 8:05	45.3
02-03-24 9:05	47.8
02-03-24 10:05	52.8
Minimum	40.2
Maximum	54.1
Average	47.7

For M/s Nilawar Laboratories,




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N-10	Pathroudi Village
Time - SoundLevel	Sound Level - SoundLevel
05-01-24 9:05	53.9
05-01-24 10:05	52.1
05-01-24 11:05	53.2
05-01-24 12:05	51.8
05-01-24 13:05	51.5
05-01-24 14:05	50.3
05-01-24 15:05	52.2
05-01-24 16:05	51.3
05-01-24 17:05	49.8
05-01-24 18:05	48.8
05-01-24 19:05	48.2
05-01-24 20:05	47.2
05-01-24 21:05	45.3
05-01-24 22:05	43.5
05-01-24 23:05	43.2
06-01-24 0:05	42.5
06-01-24 1:05	41.8
06-01-24 2:05	40.9
06-01-24 3:05	40.5
06-01-24 4:05	40.1
06-01-24 5:05	40.9
06-01-24 6:05	42.5
06-01-24 7:05	44.6
06-01-24 8:05	47.2
06-01-24 9:05	52.8
Minimum	40.1
Maximum	53.9
Average	47.0

N-11	Maintola Village
Time - SoundLevel	Sound Level - SoundLevel
04-03-24 9:45	52.3
04-03-24 10:45	53.6
04-03-24 11:45	55.1
04-03-24 12:45	52.9
04-03-24 13:45	52.4
04-03-24 14:45	52.6
04-03-24 15:45	51.9
04-03-24 16:45	50.2
04-03-24 17:45	50.3
04-03-24 18:45	49.3
04-03-24 19:45	50.1
04-03-24 20:45	48.8
04-03-24 21:45	47.2
04-03-24 22:45	47.1
04-03-24 23:45	45.9
05-03-24 0:45	44.2
05-03-24 1:45	42.6
05-03-24 2:45	41.8
05-03-24 3:45	40.7
05-03-24 4:45	40.2
05-03-24 5:45	41.8
05-03-24 6:45	43.5
05-03-24 7:45	48.9
05-03-24 8:45	50.5
05-03-24 9:45	51.7
05-03-24 10:45	53.2
Minimum	40.2
Maximum	55.1
Average	48.4

For M/s Nilawar Laboratories,




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➤ Soil Testing for all types of Foundation Designs. ➤ Chemical Analysis of Soil & Water ➤ Mechanical Analysis of Soil & Rock

Page 17 of 25 Micro-biological Analysis of Soil & Water ➤ Testing of Construction Material ➤ Environment Consultants ➤ Environment Monitoring & Analysis



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AMBIENT AIR QUALITY STANDARDS IN RESPECT OF NOISE

(See rule 3(1) and 4(1))

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day time	Night time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Note:-

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
Source: The Noise Pollution (Regulation and Control) Rules, 2000

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Checked By,



Nikita Bhange
(Chemist)

-----End of Report-----



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