



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

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ISO 9001:2008

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TEST REPORT

Report No. : A/2396
Job Identification : 7345/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 15-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Banera (Laaturam House)


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	230	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	10.89	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	200.02	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	23.06	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.28	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	64.92	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.


Puran Mal Yogi
Senior Analyst


Authorized Signatory
(Report No: A/2396)



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TEST REPORT

Report No. : A/2397
Job Identification : 7346/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 15-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Mahua Khurd

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	250	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.18	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	213	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	25.61	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.48	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	67.90	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Purnima Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/2397)



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TEST REPORT

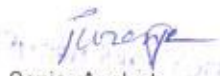
Report No. : A/2395
Job Identification. : 7344/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 16-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Chamanpura


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	260	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.65	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	237.34	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.01	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.44	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	62.15	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Senior Analyst


Authorized Signatory
(Report No: A/2395)



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TEST REPORT

Report No. :	A/2398
Job Identification. :	7347/17-18
Date :	03-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring :	16-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 03-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Mandal

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.47	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	252	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	30.28	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.16	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	73.68	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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P. J. Yogi
Senior Analyst

Rajesh
Authorized Signatory
(Report No: A/2398)



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TEST REPORT

Report No. : A/2394
Job Identification. : 7343/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 12-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Lampiya Village (Laxmanlal Regar) [25°27'31.2"N 74°39'31.06"]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	240	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.17	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	208.22	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	29.28	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.73	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	62.21	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: A/2394)



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TEST REPORT

Report No. : A/2393
Job Identification. : 7342/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 12-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Kamalpura Village (Shankar Ji House) [25°28'18.1"N 74°38'43.7"E]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	270	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.64	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	197.56	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	32.18	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.71	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	65.99	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Senior Analyst


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TEST REPORT

Report No. : A/2392
Job Identification. : 7341/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 14-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Devpura Village (Shri Narayan Lal Ji House) [25°26'52.7"N
74°37'55.7"E]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.22	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	203.22	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	31.84	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.07	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	60.26	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/2392)



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TEST REPORT

Report No. : A/2391
Job Identification. : 7340/17-18
Date : 03-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 14-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 03-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Jaliya Village (Ramji Lal House) [25°26'31.2"N 74°38'26.4"E]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	12.32	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	217.86	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	24.83	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.23	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m3]	59.41	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Yogi
Senior Analyst


Rajesh Gajwani
Authorized Signatory
(Report No: A/2391)



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TEST REPORT

Report No. : A/2521
 Job Identification : 8243/17-18
 Date : 10-01-2018
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 ML No. 627/05, Village : Lampiya Tehsil : Banera,
 District : Bhilwara- 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 28-12-2017
 Date of Sample Receipt : 04-01-2018
 Date of Test : 04-01-2018 to 10-01-2018
 Sample Collected By : Satyendra Kumar Sharma
 Point of Collection : Lampiya Village (Laxmanlal Regar) [25°27'31.2"N 74°39'31.06"]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	260	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	10.45	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	207.81	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	21.91	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.89	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	61.71	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Kogi
Puran Mal Kogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: A/2521)



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TEST REPORT

Report No. :	A/2520
Job Identification. :	8242/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring :	28-12-2017
Date of Sample Receipt :	04-01-2018
Date of Test :	04-01-2018 to 10-01-2018
Sample Collected By :	Rakesh Sharma
Point of Collection :	Kamalpura Village (Shankar Ji House) [25°28'18.1"N 74°38'43.7"E]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	240	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.75	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	196.76	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	30.51	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.14	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	60.86	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Jgneshwari
Rajesh Jgneshwari
Authorized Signatory
(Report No: A/2520)



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TEST REPORT

Report No. : A/2519
Job Identification. : 8241/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-12-2017
Date of Sample Receipt : 04-01-2018
Date of Test : 04-01-2018 to 10-01-2018
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Devpura Village (Shri Narayan Lal Ji House) [25°26'52.7"N
74°37'55.7"E]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	13.07	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	207.3	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	26.34	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.82	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	61.1	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Purnima Yogi
Senior Analyst

Rajesh Maneshwar
Authorized Signatory
(Report No: A/2519)



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(Unit of Team Institute of Science & Technology Pvt. Ltd.)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/2518
Job Identification. : 8240/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-12-2017
Date of Sample Receipt : 04-01-2018
Date of Test : 04-01-2018 to 10-01-2018
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Jaliya Village (Ramji Lal House) [25°26'31.2"N 74°38'26.4"E]

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	180	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.86	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	304.18	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	24.47	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.82	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	75.15	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Raj
Rajesh Nigamswari
Authorized Signatory
(Report No: A/2518)



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TEST REPORT

Report No. : W/NABL/1377
 Job Identification. : 7330/17-18
 Date : 10-01-2018
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 ML No. 627/05, Village : Lampiya Tehsil : Banera,
 District : Bhilwara- 311802 (Rajasthan)
 Mines
 Type of Unit :
 Type of Sample : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 13-12-2017
 Date of Sample Receipt : 19-12-2017
 Date of Test : 19-12-2017 to 10-01-2018
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Village Lampiya (Govt. Hand Pump, School Lampiya)

RESULTS

S.No.	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	6.87	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	396	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.01	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	73.17	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	609	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	132.8	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	15.55	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	35.0	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	28.82	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Parsa



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teamtesthouse@rediffmail.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.28	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	201.6	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.31	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample.	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
28	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Calcium Hardness [mg/l]	332	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/1377)



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TEST REPORT

Report No. :	W/1377
Job Identification. :	7330/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	13-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Lampiya (Govt. Hand Pump, School Lampiya)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes -

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwar
Rajesh Maheshwar
Authorized Signatory
(Report No. W/1377)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. :	W/NABL/1376
Job Identification. :	7329/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	13-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Kamipura (Govt. Supply)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.01)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.55	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	320	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(< 0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	77.74	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	811	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	81.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	28.19	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(< 0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	39.38	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	25.78	IS 3025 (Part 34) : 1988	45.00	-

Note:

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RESULTS

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E-mail : ractor@standardhouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS. 10500 : 2012
16	Fluoride [mg/l]	0.99	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	348.6	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.35	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(< 0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Calcium Hardness [mg/l]	204	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: W/NABL/1376)



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TEST REPORT

Report No. : W/1376
Job Identification : 7329/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Mines
Type of Unit :
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 13-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018.
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Kamipura (Govt. Supply)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes:

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Puram
Puram Mal Yogi
Senior Analyst

Puram
Puram Mal Yogi
Authorized Signatory
(Report No: W/1376)



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TEST REPORT

Report No. :	W/NABL/1375
Job Identification. :	7328/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	13-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Devpura (Govt. Hand Pump, School Devpura)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.17	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	404	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.1)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	122.56	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	822	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	107.2	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	33.05	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.1)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	35.63	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	22.94	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Raj



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS. 10500 : 2012
16	Fluoride [mg/l]	0.57	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	327.6	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(< 0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Calcium Hardness [mg/l]	268	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes :-

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Purandhar Mal Yogi
Purandhar Mal Yogi
Senior Analyst

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No: W/NABL/1375)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/1375
Job Identification.: 7328/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan).
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 13-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Devpura (Govt. Hand Pump, School Devpura)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS: 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes :-

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Puran Mai Yogi
Senior Analyst


Rajendra Kumar
Authorized Signatory
(Report No: W/1375)



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TEST REPORT

Report No. :	W/NABL/1374
Job Identification. :	7327/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	13-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Jaliya Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.01	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	568	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(< 0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	384.14	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1879	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	168	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	40.82	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	138.75	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	37.16	IS 3025 (Part 34) : 1988	45.00	-

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.68	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	483	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.43	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	30	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 .3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	420	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/1374)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/1374
Job Identification. : 7327/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 13-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Jaliya Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes:-

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Pankaj Mal Yogi
Sanitary Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/1374)



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TEST REPORT

Report No. :	W/NABL/1378
Job Identification. :	7331/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	16-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Banera (Dr. B.R.A. Govt. Campus, Banera)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.01	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	452	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(< 0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	29.27	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	595	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	94.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	52.49	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	52.5	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	30.29	IS 3025 (Part 34) : 1988	45.00	-

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Parsa



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Website: www.teamtesthouse.com

RESULTS

E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.20	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	176.4	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.24	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
28	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Calcium Hardness [mg/l]	236	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No: W/NABL/1378)



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TEST REPORT

Report No. : W/1378
Job Identification : 7331/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Mines
Type of Unit : Potable and Domestic Water
Type of Sample :
Date of Sample Collection/Monitoring : 16-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Banera (Dr. B.R.A. Govt. Campus, Banera)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes -

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Rupan Mal Yogi
Senior Analyst


Rajendra Kumar Swari
Authorized Signatory
(Report No: W/1378)



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TC-5025

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TEST REPORT

Report No. :	W/NABL/1379
Job Identification. :	7332/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	16-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Mahua Khurd (Govt. Adarsh Higher Secoundray School Mahua Khurd)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.75	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	380	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(< 0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	98.78	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	816	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	78.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	44.71	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	60.63	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	26.14	IS 3025 (Part 34) : 1988	45.00	-

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standards Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.32	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(< 0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	281.4	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.21	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA : 2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Calcium Hardness [mg/l]	196	IS 3025 (Part 40) : 1991	-	-
34	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes:-

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Yogi
Rajesh Yogi
Rajesh Yogi

Rajesh
Rajesh W. Jeshwari
Authorized Signatory
(Report No: W/NABL/1379)



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

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OHSAS 18001:2007

JDA/UDH

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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/1379
Job Identification : 7332/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water.
Date of Sample Collection/Monitoring : 16-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Mahua Khurd (Govt. Adarsh Higher Secoundray School Mahua Khurd)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes -

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Puran Mai Yogi
Senior Analyst


Authorized Signatory
(Report No: W/1379)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/1381
Job Identification : 7334/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Mines
Type of Unit :
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Chimanpura Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	8.00	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	208	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(< 0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	34.76	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	416	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	56	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	16.52	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL (< 0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	36.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	12.39	IS 3025 (Part 34) : 1988	45.00	-

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Website : www.teamtesthouse.com

RESULTS

E-mail : teamtesthouse@gmail.com
qualitydirector@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.68	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	-	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	147	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.23	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.001	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Caicium Hardness [mg/l]	140	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Kumar
Rajesh Kumar
Authorized Signatory
(Report No: W/NABL/1381)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/1381
Job Identification.: 7334/17-18
Date: 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Chimanpura Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes :-

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Purange
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/1381)



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E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

TEST REPORT

Report No. :	W/NABL/1380
Job Identification. :	7333/17-18
Date :	10-01-2018
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	16-12-2017
Date of Sample Receipt :	19-12-2017
Date of Test :	19-12-2017 to 10-01-2018
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Mandal Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.86	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	256	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(< 0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	58.54	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	449	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	64	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	23.33	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	42.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	10.96	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Website : www.teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.49	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	-	-
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	176.4	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.26	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	Less than 1	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Calcium Hardness [mg/l]	160	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

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Purong
Purong Mal Yogi
Senior Analyst

Purong
Purong Mal Yogi
Authorized Signatory
(Report No: W/NABL/1380)



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TEST REPORT

Report No. : W/1380
Job Identification : 7333/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Barnera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Mandal Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS: 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS: 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes:-

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Puran Mal Yogi
Senior Analyst


Rakesh Jaiswan
Authorized Signatory
(Report No: W/1380)



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TEST REPORT

Report No. : W/NABL/1385
 Job Identification : 7335/17-18
 Date : 10-01-2018
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 ML No. 627/05, Village : Lampiya Tehsil : Banera,
 District : Bhilwara- 311802 (Rajasthan)
 Mines
 Type of Unit : Potable and Domestic Water
 Type of Sample :
 Date of Sample Collection/Monitoring : 17-12-2017
 Date of Sample Receipt : 19-12-2017
 Date of Test : 19-12-2017 to 10-01-2018
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Mandal Pond (Surface Water)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	0.1	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	8.21	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	124	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	23.78	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	208	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	35.2	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	8.75	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (< 0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	17.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	4.11	IS 3025 (Part 34) : 1988	45.00	-

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.29	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(< 0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	109.2	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(< 0.01)	IS 3025 (Part 55) : 2003	0.02	0.3
23	Boron [mg/l]	0.23	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not Detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	Suspended Solids [mg/l]	14	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.01	-
34	Calcium Hardness [mg/l]	88	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: W/NABL/1385)



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

NABL

RSPCB

ISO 9001:2008

OHSAS 18001:2007

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TEST REPORT

Report No. : W/1382
Job Identification. : 7335/17-18
Date : 10-01-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 17-12-2017
Date of Sample Receipt : 19-12-2017
Date of Test : 19-12-2017 to 10-01-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Mandal Pond (Surface Water)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes :-

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Puran Maj Yogi
Senior Analyst


Rajan Maheshwari
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TEST REPORT

Report No N/1020
Date 03/01/2018
Issued to M/s. Jindal Saw Limited (Lampiya Mines)
M L No. 627/05, Village – Lampiya, Tehsil- Banera,
District – Bhilwara – 311802 (Rajasthan)
Type of Unit Mines
Date of Monitoring 14/12/2017 to 16/12/2017
Date of Sample Receipt 19/12/2017
Date of Test 19/12/2017
Sample Collected by Parsa Ram Kuri
Type of Monitoring Ambient Noise Monitoring

RESULTS

Sr. No.	Point Of Monitoring	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Lampiya Village	52.5	41.7
2.	Jaliya Village	50.3	40.2
3.	Devapura Village	52.3	41.5
4.	Kamalपुरa Village	51.3	42.2
5.	Baneda Village	52.8	40.3
6.	Chamanपुरa Village	52.5	42.4
7.	Mandal Village	53.5	43.4
8.	Mahua khurd	52.6	42.6
9.	Haul Road	65.5	56.4
10.	Ore storage Yard	63.7	55.5

Standard Limits [in dB (A)] Leq

Category of Area/ Zone	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Note: -

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Puran Majhi
Senior Analyst


Authorized Signatory