



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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OHSAS 18001:2007

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TEST REPORT

Report No. : A/4226
Job Identification. : 8655
Date : 07-01-2016
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 : 14-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 07-01-2016
Sample Collected By : Darwesh Kumar
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/m ³]	230	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.49	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	223.17	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	23.45	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	9.7	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	67.35	IS 5182 (Part 23)	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


Rajesh Maheshwari
Authorized Signatory
(Report No: A/4226)



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TEST REPORT

Report No. : A/4228
Job Identification. : 8657
Date : 07-01-2016
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 : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 14-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 07-01-2016
Sample Collected By : Darwesh Kumar
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/m ³]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16.06	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	293.01	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	21.45	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.13	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	82.04	IS 5182 (Part 23)	100.00

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Purnan Maurya
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/4228)



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TEST REPORT

Report No. : A/4224
Job Identification. : 8653
Date : 07-01-2016
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 : 12-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 07-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Kamalpura (Shri Bhaver Lal Gurjar Purv Sarpanch House)

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]	10.58	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	168.66	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	28.92	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.3	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	71.49	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/4224)



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TEST REPORT

Report No. : A/4225
Job Identification. : 8654
Date : 07-01-2016
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 : Ambient Air Quality Monitoring
Type of Sample :
Date of Sample Collection/Monitoring : 12-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 07-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Devpura Shri Narayan Lal Gurjar

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.92	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	210.28	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	20.54	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.14	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	64.9	IS 5182 (Part 23)	100.00

Notes :-

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Purnan Mat Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
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TEST REPORT

Report No. : A/4227
Job Identification. : 8656
Date : 07-01-2016
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 : 14-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 07-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Lampiya (Nr Mining Area in front of Lakshman Singh Farm House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	15.06	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	271.57	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	34.41	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.73	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	85.56	IS 5182 (Part 23)	100.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/4227)



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TEST REPORT

Report No. : A/4223
Job Identification. : 8652
Date : 07-01-2016
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 : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 12-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 07-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Jaliya (Ramji Lal House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.82	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	189.25	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.32	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	5.67	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	64.3	IS 5182 (Part 23)	100.00

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Puran Ma Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/4223)



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TEST REPORT

Report No. : A/4255
Job Identification. : 8668
Date : 09-01-2016
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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 09-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Jaliya (Ramji Lal House)

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]	11.25	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	211.21	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	26.13	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.96	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	63.32	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/4255)



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TEST REPORT

Report No. : A/4256
Job Identification. : 8669
Date : 09-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 09-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : village Kamalpura

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.56	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	238.6	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.97	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.16	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	55.55	IS 5182 (Part 23)	100.00

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Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/4256)



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TEST REPORT

Report No. : A/4257
Job Identification. : 8670
Date : 09-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 09-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Devpura Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	11.28	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	234.73	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	24.98	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.34	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	77.6	IS 5182 (Part 23)	100.00

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Purnan Maiti
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/4257)



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TEST REPORT

Report No. : A/4258
Job Identification. : 8671
Date : 09-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 09-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Lampiya Village

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]	11.57	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	201.76	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	26.57	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.08	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	69.97	IS 5182 (Part 23)	100.00

Notes :-

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Purnan May Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/4258)



TEAM TEST HOUSE

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



T-1763, T-2276

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TEST REPORT

Report No. : W/NABL/823
 Job Identification. : 9190
 Date : 22-01-2016
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 Address : 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 : 30-12-2015
 Date of Sample Receipt : 08-01-2016
 Date of Test : 08-01-2016 to 20-01-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : 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	7.67	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	550	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]	95.29	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	700	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	140	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	48.6	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

Note:

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Ph.: 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.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
14	Sulphate [mg/l]	67.50	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	22.68	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.27	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 (<0.01)	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]	412	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

Notes :-

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Puran Lal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/823)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/823
Job Identification. : 9190
Date : 22-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 08-01-2016
Date of Test : 08-01-2016 to 20-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : 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	Calcium Hardness [mg/l]	350	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/823)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/800
 Job Identification. : 8672
 Date : 16-01-2016
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 Address : 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 : 30-12-2015
 Date of Sample Receipt : 31-12-2015
 Date of Test : 31-12-2015 to 16-01-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : Devpura 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	6.79	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	392	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]	25.81	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	602	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]	37.91	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]	128.35	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	20.85	IS 3025 (Part 34) : 1988	45.00	-

Note:

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E-mail : director@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]	1.21	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(<0.01)	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]	0.04	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	264	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

Notes :-

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Purnan Ma Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/800)



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TEST REPORT

Report No. : W/800
Job Identification. : 8672
Date : 16-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 16-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Devpura 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	Calcium Hardness [mg/l]	236	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Puran M. Vogi
Senior Analyst


Rajesh Manohwari
Authorized Signatory
(Report No: W/800)



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TEST REPORT

Report No. : W/NABL/801
 Job Identification. : 8673
 Date : 16-01-2016
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 Address : 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 : 30-12-2015
 Date of Sample Receipt : 31-12-2015
 Date of Test : 31-12-2015 to 16-01-2016
 Sample Collected By : Darwesh Kumar
 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	7.25	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	74	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.03	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	30.88	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	350	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	16.8	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	7.78	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]	37.12	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	23.45	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	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.03	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(<0.01)	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]	0.04	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	43	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.35	IS 13428 (Annexure H)	1.00	5.00
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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Puran M. Yogi
Puran M. Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/801)



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TEST REPORT

Report No. : W/801
Job Identification. : 8673
Date : 16-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 16-01-2016
Sample Collected By : Darwesh Kumar
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	Calcium Hardness [mg/l]	32	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Amangon
Rajesh Maheshwari
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/801)



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TEST REPORT

Report No. : W/NABL/802
 Job Identification : 8674
 Date : 16-01-2016
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 Address : 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 : 30-12-2015
 Date of Sample Receipt : 31-12-2015
 Date of Test : 31-12-2015 to 16-01-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : Kamalpura 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	7.49	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	81	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]	37.79	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	710	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	17.2	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	9.23	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]	63.00	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	20.69	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Rajan



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Ph.: 94602-22039, 94602-22049

Email : teamtesthouse@gmail.com

rajeshmaheshwari@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]	0.96	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(<0.01)	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]	0.03	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	104	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.20	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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

Notes :-

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Puran Mal Yogi
 Senior Analyst


Rajesh Maheshwari
 Authorized Signatory
 (Report No: W/NABL/802)



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

TEST REPORT

Report No. : W/802
Job Identification. : 8674
Date : 16-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 16-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Kamalpura 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	Calcium Hardness [mg/l]	43	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Purayon
Purayon
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/802)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/803
 Job Identification. : 8675
 Date : 16-01-2016
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 Address : 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 : 30-12-2015
 Date of Sample Receipt : 31-12-2015
 Date of Test : 31-12-2015 to 16-01-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : Banera 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	6.94	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	196	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.02	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	53.46	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1022	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	49.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	17.5	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]	79.63	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	22.79	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	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.34	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(<0.01)	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]	0.04	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	256	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/803)



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TEST REPORT

Report No. : W/803
Job Identification. : 8675
Date : 16-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 16-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Banera Village

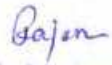
RESULTS

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	Calcium Hardness [mg/l]	124	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

Notes :-

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Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/803)



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TEST REPORT

Report No. : W/NABL/804
 Job Identification : 8676
 Date : 16-01-2016
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 Address : 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 : 30-12-2015
 Date of Sample Receipt : 31-12-2015
 Date of Test : 31-12-2015 to 16-01-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : Lampiya 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	7.61	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	228	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]	45.16	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1113	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	52.8	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]	64.12	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	25.20	IS 3025 (Part 34) : 1988	45.00	-

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Ph.: 94602-22039, 94602-22049

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]	0.66	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(<0.01)	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]	224	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.17	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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Puran Maheshwari
Puran Maheshwari
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/804)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/804
Job Identification. : 8676
Date : 16-01-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
Address : 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 : 30-12-2015
Date of Sample Receipt : 31-12-2015
Date of Test : 31-12-2015 to 16-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Lampiya 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	Calcium Hardness [mg/l]	132	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Senior Analyst

Authorized Signatory
(Report No: W/804)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/824
 Job Identification. : 9191
 Date : 20-01-2016
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Surface Water
 Date of Sample Collection/Monitoring : 30-12-2015
 Date of Sample Receipt : 08-01-2016
 Date of Test : 08-01-2016 to 20-01-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : Mandal Pond

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]	3.2	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.10	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	244	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]	38.12	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	279	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	48	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	30.13	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]	0.045	IS 3025 (Part 59)	0.1	0.3

Note:

Continue to next page...

Rajes



TEAM TEST HOUSE

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



T-1763, T-2276

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ISO 9001:2008

OHSAS 18001:2007

JDA/UDH

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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
14	Sulphate [mg/l]	91.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	9.40	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.25	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 (<0.01)	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]	200	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.27	IS 13428 (Annexure H)	1.00	5.00
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	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL (<0.001)	IS 3025 (Part 48) : 1994	0.001	-
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	-
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	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.

Ananya
Puran Mishra
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/824)



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TEST REPORT

Report No. : W/824
Job Identification. : 9191
Date : 20-01-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Surface Water
Date of Sample Collection/Monitoring : 30-12-2015
Date of Sample Receipt : 08-01-2016
Date of Test : 08-01-2016 to 20-01-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Mandal Pond

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	Calcium Hardness [mg/l]	120	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/824)



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TEST REPORT

Report No A/4199

Date 06/01/2016

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 11/12/2015 to 13/12/2015

Date of Sample Receipt 24/12/2015

Date of Test 24/12/2015

Sample Collected by Darwesh Kumar

Type of Monitoring Ambient Noise Monitoring

RESULTS

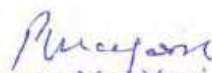
Sr. No.	Point Of Monitoring	Type of Area	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Lampiya Village	Rural Area	50.1	41.0
2.	Jaliya Village	Rural Area	48.7	39.8
3.	Devapura Village	Rural Area	48.5	41.0
4.	Kamalपुरa Village	Rural Area	51.3	42.3
5.	Banera Village	Rural Area	52.4	40.5
6.	Chamanपुरa Village	Rural Area	48.3	39.5

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 Mah Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No.: - A/4199)