



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

OHSAS 18001:2007

JDA/UDH

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TEST REPORT

Report No. : A/4564
Job Identification : 7521
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 16-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 24-03-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Kamalpura Village

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 NO2 [microgram/m3]	12.82	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	280.63	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	21.86	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	10.2	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	67.58	IS 5182 (Part 23)	100.00

Notes

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Boj

Technical Manager

Kalp

Authorized Signatory
(Report No. A/4564)



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TEST REPORT

Report No. : A/4568
Job Identification : 7522
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
ML No. 627/05, Village : Lampiya Tehsil : Bancra,
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 16-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 24-03-2015
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]	280	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	17.32	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	263.26	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	23.05	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	10.89	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	60.84	IS 5182 (Part 23)	100.00

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Technical Manager

Authorized Signatory
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TEST REPORT

Report No. : A/4672
Job Identification : 7526
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 24-03-2015
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]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.26	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	280.24	IS 5182 (Part 4) : 1999	
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	30.73	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.15	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	65.76	IS 5182 (Part 23)	100.00

Notes

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Technical Manager


Authorized Signatory
(Report No: A/4672)



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TEST REPORT

Report No. : A/4571
Job Identification. : 7525
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 24-03-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Jaliya Village

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 NO2 [microgram/m3]	11.3	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	245.51	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	27.16	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.49	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	62.77	IS 5182 (Part 23)	100.00

Notes

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Raj

Technical Manager

Darwesh Kumar

Authorized Signatory
(Report No: A/4571)



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TEST REPORT

Report No. : A/4569
Job Identification : 7523
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
ML No. 627/05, Village : Lampiya Tehsil : Banora,
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 24-03-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Banera Village

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]	16.01	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	282.81	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	21.76	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.53	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	73.59	IS 5182 (Part 23)	100.00

Notes

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Raj

Technical Manager

[Signature]

Authorized Signatory
(Report No: A/4569)



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TEST REPORT

Report No. : A/4570
Job Identification. : 7524
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 24-03-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Chimanpura Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	16.21	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	257.95	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	32.72	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.26	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	54.27	IS 5182 (Part 23)	100.00

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Raj

Technical Manager

Harpreet

Authorized Signatory
(Report No: A/4570)



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TEST REPORT

Report No. : A/28
Job Identification. : 39
Date : 07-04-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 29-03-2015
Date of Sample Receipt : 01-04-2015
Date of Test : 01-04-2015 to 07-04-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Village Kamalpura

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per RPCB consent to operate
1	Suspended Particulate Matter (SPM) [microgram/m3]	304.5	IS 5182 (Part 4) : 1999	500
2	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
3	Nitrogen Dioxide as NO2 [microgram/m3]	14.36	IS 5182 (Part 6) : 2006	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	22.49	CPCB Guidelines	60.00
5	Respirable Suspended Particulate Matter (PM10) [microgram/m3]	74.7	IS 5182 (Part 23)	100.00
6	Sulphur Dioxide [microgram/m3]	7.97	IS 5182 (Part 2) : 2001	80.00

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Technical Manager

Authorized Signatory
(Report No: A/28)



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TEST REPORT

Report No. : A/29
Job Identification. : 40
Date : 07-04-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 29-03-2015
Date of Sample Receipt : 01-04-2015
Date of Test : 01-04-2015 to 07-04-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Village Devpura

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]	12.77	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	247.2	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.15	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.1	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	69.02	IS 5182 (Part 23)	100.00

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Technical Manager

Authorized Signatory
(Report No: A/29)



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TEST REPORT

Report No. : A/30
Job Identification. : 41
Date : 07-04-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 29-03-2015
Date of Sample Receipt : 01-04-2015
Date of Test : 01-04-2015 to 07-04-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Village Lampiya

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 NO2 [microgram/m3]	14.61	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	380.77	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	32.03	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.01	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	81.88	IS 5182 (Part 23)	100.00

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Technical Manager

Authorized Signatory
(Report No: A/30)



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TEST REPORT

Report No. : A/31
Job Identification. : 42
Date : 07-04-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 30-03-2015
Date of Sample Receipt : 01-04-2015
Date of Test : 01-04-2015 to 07-04-2015
Sample Collected By : Darwesh Kumar
Point of Collection : Village Jaliya

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 NO2 [microgram/m3]	16.08	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	258.87	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	27.08	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.62	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	83.24	IS 5182 (Part 23)	100.00

Notes :-

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Technical Manager

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TEST REPORT

Report No.: W/NABL/773
Job Identification: 7518
Date: 31-03-2015
Issued To: M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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	7.16	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	480	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]	199.94	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1092	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]	31.59	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]	122.5	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	28.18	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 Limit in the absence of alternative Source as per IS 10500 : 2012
16	Fluoride [mg/l]	0.63	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]	384	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]	0.22	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
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
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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Bar

Technical Manager

Shalpa

Authorized Signatory

(Report No: W/NABL/773)



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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. : W/773
Job Identification : 7518
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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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Raj

Technical Manager

Kalp

Authorized Signatory
(Report No: W/773)



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TEST REPORT

Report No. : W/NABL/772
Job Identification. : 7517
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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 (Less than 0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.45	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	510	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]	329.9	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1588	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	156	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	29.16	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]	446.88	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	14.09	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 Limit in the absence of alternative Source as per IS 10500 : 2012
16	Fluoride [mg/l]	0.76	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]	0.02	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	348	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]	0.43	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
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
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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Raj

Technical Manager

[Signature]

Authorized Signatory

(Report No: W/NABI/1772)



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TEST REPORT

Report No. : WI/772
Job Identification : 7517
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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]	390	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA.2012:2540-D	-	-

Notes :

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Raj

Technical Manager

Kishore

Authorized Signatory
(Report No: WI/772)



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TEST REPORT

Report No. : W/NABL/771
Job Identification. : 7516
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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	7.26	IS 3025 (Part 11) : 1984	6.50 - 8.50	
6	Hardness (total) [mg/l]	510	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]	59.98	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	796	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	144	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	36.45	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]	80.0	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	22.05	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 Limit in the absence of alternative Source as per IS 10500 : 2012
16	Fluoride [mg/l]	0.45	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	-	-
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]	0.38	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
26	Total Chromium [mg/l]	BDL (< 0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	0.1	IS 3025 (Part 26) : 1986	0.2	1
28	selenium [mg/l]	BDL (< 0.01)	IS 3025 (Part 56) : 2003	0.01	-
29	Mercury [mg/l]	BDL (< 0.01)	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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Raj

Technical Manager

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Authorized Signatory

(Report No. W/NABL/1771)



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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. : W/771
Job Identification. : 7516
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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]	160	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Raj

Technical Manager

Shalpa

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TEST REPORT

Report No. : W/NABL/770
Job Identification : 7515
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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	7.95	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	500	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]	107.97	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	774	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	92.8	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	65.12	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]	86.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	33.45	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 Limit in the absence of alternative Source as per IS 10500 : 2012
16	Fluoride [mg/l]	0.35	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]	344	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]	0.24	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
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
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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Raj

Technical Manager

Harpreet

Authorized Signatory
(Report No: W/NABL/770)



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TEST REPORT

Report No. : W/770
Job Identification. : 7515
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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]	232	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA.2012:2540-D	-	-

Notes

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Technical Manager

Authorized Signatory
(Report No: W/770)



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TEST REPORT

Report No. : W/NABL/769
Job Identification : 7514
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
MI 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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	
4	Turbidity [NTU]	BDL (Less than 0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.95	IS 3025 (Part 11) : 1984	6.50 - 8.50	
6	Hardness (total) [mg/l]	392	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	BDL (< 0.01)	IS 3025 (Part 53) : 2003	0.3	
8	Chloride [mg/l]	29.99	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	530	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	99.2	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	34.99	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]	66.4	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	17.5	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 Limit in the absence of alternative Source 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 (< 0.01)	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]	0.02	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	328	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 any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
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
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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Raj

Technical Manager

[Signature]

Authorized Signatory
(Report No: W/NABI /769)



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TEST REPORT

Report No. : W/769
Job Identification : 7514
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
ML No. 627/05, Village : Lampiya Tehsil : Banora,
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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]	248	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Raj

Technical Manager

[Signature]

Authorized Signatory
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TEST REPORT

Report No. : W/NABL/768
Job Identification : 7513
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2014
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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 (Less than 0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	8.07	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]	57.98	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	799	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	54.4	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

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
14	Sulphate [mg/l]	30.0	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	20.33	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	1.17	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]	464	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]	0.42	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
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
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 (<0.05)	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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Raj

Technical Manager

24/04/2014

Authorized Signatory
(Report No. W/NABL /768)



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TEST REPORT

Report No. : W/768
Job Identification : 7513
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2014
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Polynuclear aromatic Hydrocarbon [mg/l]	Not Detected	APHA 2012 : 6440 B	0.0001	
2	Calcium Hardness [mg/l]	136	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Technical Manager

Authorized Signatory
(Report No: W/768)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/774
Job Identification : 7519
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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]	0.62	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.02	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]	17.99	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	235	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	36	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	8.26	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]	14.25	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	3.13	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 Limit in the absence of alternative Source as per IS 10500 : 2012
16	Fluoride [mg/l]	0.37	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]	136	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]	0.18	IS 13428 (Annexure H)	0.5	1.0
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in any 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in any 100 ml	-
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
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.

Rm

Technical Manager

Signature

Authorized Signatory

(Report No: W/NABL//44)



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

JDA/UDH

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E-mail : teamtesthouse@gmail.com
E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. : W/774
Job Identification : 7519
Date : 31-03-2015
Issued To : M/S Jindal Saw Limited (Mines Unit)
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 : 17-03-2015
Date of Sample Receipt : 20-03-2015
Date of Test : 20-03-2015 to 31-03-2015
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 Limit in the absence of alternative Source 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]	90	IS 3025 (Part 40) : 1991	-	-
3	Pesticides [mg/l]	Not Detected	APHA : 2012	-	-

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Raj

Technical Manager

Khafrey

Authorized Signatory
(Report No: W/774)



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

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Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur-302001
Phone : 0141-2369980, 2771865
Website : www.teamtesthouse.com

TEST REPORT

A/4573

31/03/2015

M/s. Jindal Saw Limited (mines Unit)

M.I. No. 627/05, Village - Lampiya, Tehsil - Banera

District - Bhilwara - 311807 (Rajasthan)

Mines

13/03/2015 to 18/03/2015

20/03/2015

20/03/2015

Darwesh Kumar

Ambient Noise Monitoring

Lab.: G1-584, Sitapura Industrial Area

Tonk Road, JAIPUR-302022 Raj.

Ph.: 94602-22039, 94602-22049

E-mail : teamtesthouse@gmail.com

E-mail : teamtest@rediffmail.com

Issued to

Type of Unit

Date of Monitoring

Date of Sample Receipt

Date of Test

Sample Collected by

Type of 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	53.4	42.1
2.	Jaliya Village	Rural Area	50.4	41.7
3.	Devapura Village	Rural Area	51.3	40.8
4.	Kamalapura Village	Rural Area	52.3	41.2
5.	Mahua khurd Village	Rural Area	51.7	40.5
6.	Chimrapura Village	Rural Area	50.4	41.3

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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Raj

Technical Manager

[Signature]

Authorized Signatory
(Report No : - A/4573)