



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

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ISO 9001:2008

OHSAS 18001:2007

JDA

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Website : www.teamtesthouse.com

Lab.: G1-584, Sitapura Industrial Area
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Ph.: 94602-22039, 94602-22049
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TEST REPORT

Report No. :	A/1515
Job Identification. :	5513/16-17
Date :	06-10-2016
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 :	17-09-2016
Date of Sample Receipt :	20-09-2016
Date of Test :	20-09-2016 to 06-10-2016
Sample Collected By :	Satyendra Kumar Sharma
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]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	8.64	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	139.99	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	19.33	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	4.23	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	49.41	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.

Puranjit
Puran Mal Jindal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/1515)



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TEST REPORT

Report No. : A/1514
Job Identification. : 5512/16-17
Date : 06-10-2016
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 : 16-09-2016
Date of Sample Receipt : 20-09-2016
Date of Test : 20-09-2016 to 06-10-2016
Sample Collected By : Satyendra Kumar Sharma
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]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	8.19	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	183.13	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM _{2.5}) [microgram/m3]	17.15	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.57	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m3]	56.79	IS 5182 (Part 23)	100.00

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Purnan Mal Yodi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1514)



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TEST REPORT

Report No. : W/NABL/690
Job Identification. : 5525/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
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	7.56	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	450	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]	165.31	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1189	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	148	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	19.44	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]	215.63	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	42.50	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Raj



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RESULTS

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Standard
Permissible
limits in the
absence of
Alternate
Sources as
per IS 10500 :
2012

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard
16	Fluoride [mg/l]	0.87	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.15	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	392	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]	0.39	IS 13428 (Annexure H)	0.5	1.00
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	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	-

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Puran Maurya
Senior Analyst

Rajesh Moheshwari
Authorized Signatory
(Report No: W/NABL/690)



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TEST REPORT

Report No. : W/690
Job Identification. : 5525/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Mahua Khurd (Govt. Adarsh Higher Secondary School)

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	Mercury as Hg [mg/l]	BDL(<0.001)	IS 3025 (Part 48):1994	0.001	-
2	Phenolic compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43):1992	0.001	-
3	Mineral Oil [mg/l]	BDL(<0.1)	IS 3025 (Part 39):1991	0.5	-
4	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27):1986	0.05	-
5	Anionic Detergents as MBAS [mg/l]	BDL(<0.1)	IS 13428(Annexure K)	0.2	1.0
6	Polynuclear Aromatic Compound[mg/l]	BDL(<0.0001)	APHA 2012:6440B	0.0005	-
7	Pesticides [mg/l]	Not Detected	APHA :2012	-	-
8	Calcium Hardness [mg/l]	370	IS 3025 (Part 40):1991	-	-

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Purnan Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/690)



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TEST REPORT

Report No. : W/NABL/681
Job Identification. : 5526/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
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	7.43	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	508	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	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	608	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	112	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	55.4	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]	89.04	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	26.70	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]	0.32	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.13	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	392	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)	0.5	1.00
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	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	-

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Pooja
Senior Analyst

Rajesh
Authorized Signatory
(Report No: W/NABL/681)



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TEST REPORT

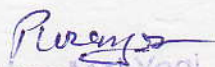
Report No. : W/681
Job Identification. : 5526/16-17
Date : 14-10-2016
Issued To : M/s Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya, Tehsil : Banera
District Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar
Point of Collection : Village Banera (Dr. BRA 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	Mercury as Hg [mg/l]	BDL(<0.001)	IS 3025 (Part 48):1994	0.001	-
2	Phenolic compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43):1992	0.001	-
3	Mineral Oil [mg/l]	BDL(<0.1)	IS 3025 (Part 39):1991	0.5	-
4	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27):1986	0.05	-
5	Anionic Detergents as MBAS [mg/l]	BDL(<0.1)	IS 13428(Annexure K)	0.2	1.0
6	Polynuclear Aromatic Compound[mg/l]	BDL(<0.0001)	APHA 2012:6440B	0.0005	-
7	Pesticides [mg/l]	Not Detected	APHA :2012	-	-
8	Calcium Hardness [mg/l]	280	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: W/681)



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TEST REPORT

Report No. : W/NABL/687
 Job Identification. : 5521/16-17
 Date : 14-10-2016
 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 : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 16-09-2016
 Date of Sample Receipt : 21-09-2016
 Date of Test : 21-09-2016 to 14-10-2016
 Sample Collected By : Satyendra Kumar Sharma
 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	7.30	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	272	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]	34.2	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	616	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	89.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	11.66	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]	140.18	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	19.21	IS 3025 (Part 34) : 1988	45.00	-

Note:

Continue to next page...

Rajan



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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]	0.81	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.07	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	272	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]	0.40	IS 13428 (Annexure H)	0.5	1.00
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	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	-

Notes :-

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Puran Mal Vogi
Puran Mal Vogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/687)



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

TEST REPORT

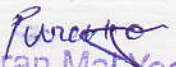
Report No. : W/687
Job Identification. : 5521/16-17
Date : 14-10-2016
Issued To : M/s Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya, Tehsil : Banera
District Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Lampiya (Govt. Hand pump School)

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	Mercury as Hg [mg/l]	BDL(<0.001)	IS 3025 (Part 48):1994	0.001	-
2	Phenolic compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43):1992	0.001	-
3	Mineral Oil [mg/l]	BDL(<0.1)	IS 3025 (Part 39):1991	0.5	-
4	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27):1986	0.05	-
5	Anionic Detergents as MBAS [mg/l]	BDL(<0.1)	IS 13428(Annexure K)	0.2	1.0
6	Polynuclear Aromatic Compound[mg/l]	BDL(<0.0001)	APHA 2012:6440B	0.0005	-
7	Pesticides [mg/l]	Not Detected	APHA :2012	-	-
8	Calcium Hardness [mg/l]	224	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/687)



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

TEST REPORT

Report No. : W/NABL/688
Job Identification. : 5522/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 17-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
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	7.39	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	560	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.04	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	169.11	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	997	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]	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
14	Sulphate [mg/l]	150.42	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	18.14	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	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.74	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	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.17	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	324	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]	0.32	IS 13428 (Annexure H)	0.5	1.00
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	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	-

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Purayya
Purayya
Senior Analyst

Rajesh
Rajesh Meheshwari
Authorized Signatory
(Report No: W/NABL/688)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/688
Job Identification. : 5522/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 17-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Devpura (Govt. Hand pump School)

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	Mercury as Hg [mg/l]	BDL(<0.001)	IS 3025 (Part 48):1994	0.001	-
2	Phenolic compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43):1992	0.001	-
3	Mineral Oil [mg/l]	BDL(<0.1)	IS 3025 (Part 39):1991	0.5	-
4	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27):1986	0.05	-
5	Anionic Detergents as MBAS [mg/l]	BDL(<0.1)	IS 13428(Annexure K)	0.2	1.0
6	Polynuclear Aromatic Compound[mg/l]	BDL(<0.0001)	APHA 2012:6440B	0.0005	-
7	Pesticides [mg/l]	Not Detected	APHA :2012	-	-
8	Calcium Hardness [mg/l]	360	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/688)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/689
Job Identification. : 5524/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Kamlpura (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(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.27	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]	68.4	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	775	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	89.6	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]	120.12	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	28.15	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]	0.74	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	-
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]	392	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]	0.28	IS 13428 (Annexure H)	0.5	1.00
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	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	-

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Puran Man Yogi
Puran Man Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/689)



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TEST REPORT

Report No. : W/689
Job Identification. : 5524/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Kamalpura (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	Mercury as Hg [mg/l]	BDL(<0.001)	IS 3025 (Part 48):1994	0.001	-
2	Phenolic compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43):1992	0.001	-
3	Mineral Oil [mg/l]	BDL(<0.1)	IS 3025 (Part 39):1991	0.5	-
4	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27):1986	0.05	-
5	Anionic Detergents as MBAS [mg/l]	BDL(<0.1)	IS 13428(Annexure K)	0.2	1.0
6	Polynuclear Aromatic Compound[mg/l]	BDL(<0.0001)	APHA 2012:6440B	0.0005	-
7	Pesticides [mg/l]	Not Detected	APHA :2012	-	-
8	Calcium Hardness [mg/l]	224	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yogi
Senior Analyst


Raiesh Maheshwari
Authorized Signatory
(Report No: W/689)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/686
Job Identification. : 5520/16-17
Date : 14-10-2016
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 : Potable and Domestic Water
Date of Sample Collection/Monitoring : 18-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Jaliya (Water Storage tank)

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	7.37	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	204	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]	20.9	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	310	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	72	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	5.83	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]	83.42	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	9.87	IS 3025 (Part 34) : 1988	45.00	-

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RESULTS

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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]	0.14	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	-
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]	220	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]	0.34	IS 13428 (Annexure H)	0.5	1.00
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	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	-

Notes :-

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Puran Mani Yogi
Puran Mani Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/686)



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E-mail : director@teamtesthouse.com

TEST REPORT

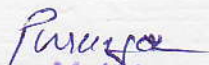
Report No. : W/686
Job Identification. : 5520/16-17
Date : 07-07-2016
Issued To : M/s Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya, Tehsil : Banera
District Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 14-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Jaliya (Water
Storage Tank)

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	Mercury as Hg [mg/l]	BDL(<0.001)	IS 3025 (Part 48):1994	0.001	-
2	Phenolic compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43):1992	0.001	-
3	Mineral Oil [mg/l]	BDL(<0.1)	IS 3025 (Part 39):1991	0.5	-
4	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27):1986	0.05	-
5	Anionic Detergents as MBAS [mg/l]	BDL(<0.1)	IS 13428(Annexure K)	0.2	1.0
6	Polynuclear Aromatic Compound[mg/l]	BDL(<0.0001)	APHA 2012:6440B	0.0005	-
7	Pesticides [mg/l]	Not Detected	APHA :2012	-	-
8	Calcium Hardness [mg/l]	180	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yodhi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/686)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. :	W/NABL/699
Job Identification. :	5533/16-17
Date :	15-10-2016
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 :	Surface Water
Date of Sample Collection/Monitoring :	16-09-2016
Date of Sample Receipt :	21-09-2016
Date of Test :	21-09-2016 to 15-10-2016
Sample Collected By :	Satyendra Kumar Sharma
Point of Collection :	Mandal Pond

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.76	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	76	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	10.93	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	128	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	25.6	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	2.92	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	28.40	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	4.02	IS 3025 (Part 34) : 1988

Note:

Continue to next page...

Rajeev



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Testing Protocol@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
16	Fluoride [mg/l]	0.13	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	64	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.45	IS 13428 (Annexure H)
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/699)



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TEST REPORT

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Ph.: 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

Job Identification : W/699
Date : 5533/16-17
Issued To : 15-10-2016
Address : 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 : Surface Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 15-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Mandal Pond


RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B
2	Calcium Hardness [mg/l]	64	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/699)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/700
Job Identification. : 5534/16-17
Date : 15-10-2016
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 : Surface Water
Date of Sample Collection/Monitoring : 16-09-2016
Date of Sample Receipt : 21-09-2016
Date of Test : 21-09-2016 to 15-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Canal Water Near Jaliya

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.24	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	56	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	8.68	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	113	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	19.2	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	1.21	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	17.83	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	8.19	IS 3025 (Part 34) : 1988

Note:

Continue to next page...

Rajan



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E-mail : director@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
16	Fluoride [mg/l]	0.22	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	68	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.28	IS 13428 (Annexure H)
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986
28	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003
29	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994
30	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992
31	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991
32	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)

Notes :-

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/700)



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

Report No.

W/700

Job Identification. :

5534/16-17

Date :

15-10-2016

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 :

Surface Water

Date of Sample Collection/Monitoring :

16-09-2016

Date of Sample Receipt :

21-09-2016

Date of Test :

21-09-2016 to 15-10-2016

Sample Collected By :

Satyendra Kumar Sharma

Point of Collection :


Canal Water Near Jaliya


RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B
2	Calcium Hardness [mg/l]	48	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/700)



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TEST REPORT

Report No. :	A/1513
Job Identification. :	5511/16-17
Date :	06-10-2016
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 :	16-09-2016
Date of Sample Receipt :	20-09-2016
Date of Test :	20-09-2016 to 06-10-2016
Sample Collected By :	Satyendra Kumar Sharma
Point of Collection :	Village Kamalpura (Shri Bhaaver 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/m3]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	9.69	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	166.36	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	21.33	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.94	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	57.68	IS 5182 (Part 23)	100.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: A/1513)



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TEST REPORT

Report No. :	A/1512
Job Identification. :	5510/16-17
Date :	06-10-2016
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 :	16-09-2016
Date of Sample Receipt :	20-09-2016
Date of Test :	20-09-2016 to 05-10-2016
Sample Collected By :	Satyendra Kumar Sharma
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]	180	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.21	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	149.88	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	20.23	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.46	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	51.53	IS 5182 (Part 23)	100.00

Notes :-

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Puran Maheshwari
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Rajesh Maheshwari
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(Report No: A/1512)



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TEST REPORT

Report No. : A/1511
Job Identification. : 5509/16-17
Date : 06-10-2016
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 : 17-09-2016
Date of Sample Receipt : 20-09-2016
Date of Test : 20-09-2016 to 05-10-2016
Sample Collected By : Satyendra Kumar Sharma
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/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	10.52	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	181.73	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	21.69	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.05	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	57.51	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 Mai Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1511)



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TEST REPORT

Report No. : A/1510
Job Identification. : 5508/16-17
Date : 06-10-2016
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 : 16-09-2016
Date of Sample Receipt : 20-09-2016
Date of Test : 20-09-2016 to 05-10-2016
Sample Collected By : Satyendra Kumar Sharma
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/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.02	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	184.68	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	22.66	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.1	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	58.98	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1510)



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TEST REPORT

Report No.: A/1595
Job Identification.: 6159/16-17
Date : 15-10-2016
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 : 28-09-2016
Date of Sample Receipt : 05-10-2016
Date of Test : 05-10-2016 to 15-10-2016
Sample Collected By : Satyendra Kumar Sharma
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/m3]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	12.86	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	149.32	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	25.25	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.77	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m3]	52.01	IS 5182 (Part 23)	100.00

Notes :-

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Puran Majhi
Senior Analyst


Rajesh Maheshwari
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TEST REPORT

Report No.: A/1596
Job Identification. : 6160/16-17
Date : 15-10-2016
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 : 29-09-2016
Date of Sample Receipt : 05-10-2016
Date of Test : 05-10-2016 to 15-10-2016
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Village Lampiya (Nr Mining Area in front of Lakshman Singh Farm House)

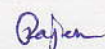
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	15.71	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	217.11	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	22.71	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.41	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	60.53	IS 5182 (Part 23)	100.00

Notes :-

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Rajesh Maheshwari
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TEST REPORT

Report No.: A/1597
Job Identification.: 6161/16-17
Date : 15-10-2016
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 : 29-09-2016
Date of Sample Receipt : 05-10-2016
Date of Test : 05-10-2016 to 15-10-2016
Sample Collected By : Satyendra Kumar Sharma
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]	130	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	11.22	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	175.66	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	22.6	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.63	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	54.86	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mar Yogi
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Raiesh Maheshwari
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Report No: A/1598
Job Identification : 6162/16-17
Date : 15-10-2016
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 : 29-09-2016
Date of Sample Receipt : 05-10-2016
Date of Test : 05-10-2016 to 15-10-2016
Sample Collected By : Satyendra Kumar Sharma
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]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.03	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	194.54	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	23.38	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.07	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	49.18	IS 5182 (Part 23)	100.00

Notes :-

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Puneet
Puneet Maheshwari
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/1598)



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TEST REPORT

Report No N/709
Date 06/10/2016
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 17/09/2016 to 18/09/2016
Date of Sample Receipt 20/09/2016
Date of Test 20/09/2016
Sample Collected by Satyendra Kumar Sharma
Type of Monitoring Ambient Noise Monitoring

RESULTS

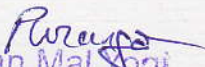
Sr. No.	Point Of Monitoring	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Lampiya Village	53.4	42.5
2.	Jaliya Village	50.2	41.7
3.	Devpura Village	52.3	40.6
4.	Kamalpur Village	51.0	39.4
5.	Baneda Village	52.7	41.2
6.	Chamanpur Village	48.6	38.5


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 Mal Agni
Senior Analyst


Rajesh Maheshwari
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