



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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TEST REPORT

Report No. :	A/3126
Job Identification. :	11174/16-17
Date :	25-03-2017
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 :	10-03-2017
Date of Sample Receipt :	15-03-2017
Date of Test :	15-03-2017 to 24-03-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Village Chamanpura

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.27	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	185.43	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.62	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.33	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	60.01	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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

Purush
Purush Mehta
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/3126)



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TEST REPORT

Report No. : A/3127
Job Identification. : 11175/16-17
Date : 25-03-2017
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 : 08-03-2017
Date of Sample Receipt : 15-03-2017
Date of Test : 15-03-2017 to 24-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Banera (Laaturam House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	160	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	9.63	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	190.69	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	23.62	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	5.21	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	54.07	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran Mal Kogi
Puran Mal Kogi
Senior Analyst

Rajesh Maheshwar
Rajesh Maheshwar
Authorized Signatory
(Report No: A/3127)



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TEST REPORT

Report No. : A/3123
Job Identification. : 11171/16-17
Date : 25-03-2017
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 : 09-03-2017
Date of Sample Receipt : 15-03-2017
Date of Test : 15-03-2017 to 24-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Lampiya (Nr Mining Area in front of Lakshman Singh Farm House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	10.17	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	212.64	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	25.19	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.12	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	69.03	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Abhashwan
Authorized Signatory
(Report No: A/3123)



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TEST REPORT

Report No. : A/3122
Job Identification. : 11170/16-17
Date : 25-03-2017
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 : 08-03-2017
Date of Sample Receipt : 15-03-2017
Date of Test : 15-03-2017 to 24-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Kamalpura (Shri Bhaver lal Gurjar Purv Sarpanch House)

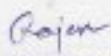
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	240	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	11.43	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	224.82	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	22.54	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.65	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	74.44	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Purnima Maheshwari
Senior Analyst


Rajesh Maheshwan
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(Report No: A/3122)



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TEST REPORT

Report No. :	A/3125
Job Identification. :	11173/16-17
Date :	25-03-2017
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 :	10-03-2017
Date of Sample Receipt :	15-03-2017
Date of Test :	15-03-2017 to 24-03-2017
Sample Collected By :	Parsa Ram Kudi
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/m ³]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	10.85	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	184.04	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.85	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.12	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	62.54	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Mohachwan
Rajesh Mohachwan
Authorized Signatory
(Report No: A/3125)



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TEST REPORT

Report No. : A/3124
Job Identification. : 11172/16-17
Date : 25-03-2017
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 : 09-03-2017
Date of Sample Receipt : 15-03-2017
Date of Test : 15-03-2017 to 24-03-2017
Sample Collected By : Parsa Ram Kudi
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]	230	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.33	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	205.64	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	26.05	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.56	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	58.55	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Purni Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: A/3124)



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TEST REPORT

Report No: A/3259
Date: 31/03/2017
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 Monitoring: Ambient Air Quality Monitoring
Date of Sample Collection/ Monitoring: 29/03/2017
Date of Receipt: 30/03/2017
Date of Test: 30/03/2017 to 31/03/2017
Sample Collected By: Parsa Ram Kuri
Point of Collection: Village Lampiya (Nr Mining Area in front of Lakshamn 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]	190	IS 5182 (Part 10) : 1999	4000
2.	Nitrogen Dioxide [microgram/m ³]	13.65	IS 5182 (Part 6) : 2006	80.00
3.	Suspended Particulate Matter (SPM) [microgram/m ³]	213.56	IS 5182 (Part 4) : 1999	-
4.	Particulate Matter (PM2.5) [microgram/m ³]	26.51	CPCB Guidelines	60.00
5.	Sulphur Dioxide [microgram/m ³]	6.52	IS 5182 (Part 2) : 2001	80.00
6.	Particulate Matter (PM10) [microgram/m ³]	62.15	IS 5182 (Part 23)	100.00

Notes: -

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Kumar Swaraj
Authorized Signatory
(Report No A/3259)



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TEST REPORT

Report No: A/3258
Date: 31/03/2017
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 Monitoring: Ambient Air Quality Monitoring
Date of Sample Collection/ Monitoring: 29/03/2017
Date of Receipt: 30/03/2017
Date of Test: 30/03/2017 to 31/03/2017
Sample Collected By: Parsa Ram Kuri
Point of Collection: Village Kamalpura (Shri Bhanver Lal Gurjar)

RESULTS

S. No.	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1.	Carbon Monoxide [microgram/m ³]	160	IS 5182 (Part 10) : 1999	4000
2.	Nitrogen Dioxide [microgram/m ³]	10.64	IS 5182 (Part 6) : 2006	80.00
3.	Suspended Particulate Matter (SPM) [microgram/m ³]	185.74	IS 5182 (Part 4) : 1999	500
4.	Particulate Matter (PM2.5) [microgram/m ³]	23.42	CPCB Guidelines	60.00
5.	Sulphur Dioxide [microgram/m ³]	6.30	IS 5182 (Part 2) : 2001	80.00
6.	Particulate Matter (PM10) [microgram/m ³]	60.26	IS 5182 (Part 23)	100.00

Notes: -

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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No A/3258)



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TEST REPORT

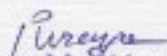
Report No:	A/3256
Date:	31/03/2017
Issued to	M/s Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya, Tehsil : Banera District Bhilwara 311802 (Rajasthan)
Type of Unit	Mines
Type of Monitoring:	Ambient Air Quality Monitoring
Date of Sample Collection/ Monitoring:	28/03/2017
Date of Receipt:	30/03/2017
Date of Test:	30/03/2017 to 31/03/2017
Sample Collected By:	Parsa Ram Kuri
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/m ³]	210	IS 5182 (Part 10) : 1999	4000
2.	Nitrogen Dioxide [microgram/m ³]	11.54	IS 5182 (Part 6) : 2006	80.00
3.	Suspended Particulate Matter (SPM) [microgram/m ³]	186.70	IS 5182 (Part 4) : 1999	500
4.	Particulate Matter (PM2.5) [microgram/m ³]	22.36	CPCB Guidelines	60.00
5.	Sulphur Dioxide [microgram/m ³]	5.61	IS 5182 (Part 2) : 2001	80.00
6.	Particulate Matter (PM10) [microgram/m ³]	57.42	IS 5182 (Part 23)	100.00

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Puran Maurya
Senior Analyst


Rajesh Maheshwari
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TEST REPORT

Report No: A/3257
Date: 31/03/2017
Issued to: M/s Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya, Tehsil : Banera
District Bhilwara 311802 (Rajasthan)
Mines
Type of Unit: Ambient Air Quality Monitoring
Type of Monitoring:
Date of Sample Collection/ Monitoring: 28/03/2017
Date of Receipt: 30/03/2017
Date of Test: 30/03/2017 to 31/03/2017
Sample Collected By: Parsa Ram Kuri
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 [$\mu\text{g}/\text{m}^3$]	190	IS 5182 (Part 10) : 1999	4000
2.	Nitrogen Dioxide [$\mu\text{g}/\text{m}^3$]	12.52	IS 5182 (Part 6) : 2006	80.00
3.	Suspended Particulate Matter (SPM) [$\mu\text{g}/\text{m}^3$]	216.35	IS 5182 (Part 4) : 1999	500
4.	Particulate Matter (PM _{2.5}) [$\mu\text{g}/\text{m}^3$]	24.53	CPCB Guidelines	60.00
5.	Sulphur Dioxide [$\mu\text{g}/\text{m}^3$]	5.87	IS 5182 (Part 2) : 2001	80.00
6.	Particulate Matter (PM ₁₀) [$\mu\text{g}/\text{m}^3$]	58.91	IS 5182 (Part 23)	100.00

Notes: -

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Puran Mal
Puran Mal Yogi
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Rajesh
Rajesh Maheshwari
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(Report No A/3257)



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T-1763, T-2276

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

TEST REPORT

Report No. : W/NABL/1287
Job Identification. : 11134/16-17
Date : 30-03-2017
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 : 09-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 29-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Lampiya (Govt. Hand Pump, School Lampiya)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	6.86	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	440	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]	67.99	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	587	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	142.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	20.41	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]	87.32	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	32.00	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Tonk Road, JAIPUR-302022 Raj.
Ph.: 94602-22039, 94602-22049

Website: www.teamtesthouse.com

RESULTS

E-mail: teamtesthouse@gmail.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]	0.36	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	276	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]	0.25	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]	8	IS 3025 (part 15) : 1984	-	-
27	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
28	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	356.0	IS 3025 (Part 40) : 1991	-	-
35	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.

Puranj Mal Yogi
Senior Analyst

Rajesh Chhabra
Authorized Signatory
(Report No: W/NABL/1287)



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

TEST REPORT

Report No. : W/1287
 Job Identification. : 11134/16-17
 Date : 30-03-2017
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 ML No. 627/05, Village : Lampiya Tehsil : Banera,
 District : Bhilwara- 311802 (Rajasthan)
 Mines
 Type of Unit :
 Type of Sample : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 09-03-2017
 Date of Sample Receipt : 14-03-2017
 Date of Test : 14-03-2017 to 29-03-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Village Lampiya (Govt. Hand Pump, School Lampiya)

RESULTS

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

Notes -

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Purandhar
 Purandhar
 Senior Analyst Yogi

Rajesh
 Rajesh Maneswar
 Authorized Signatory
 (Report No: W/1287)



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TEST REPORT

Report No. : W/NABL/1290
Job Identification. : 11137/16-17
Date : 30-03-2017
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 : 08-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
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	7.47	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	392	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	79.65	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	804	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	64	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	56.38	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]	127.42	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	38.50	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Website: www.teamtesthouse.com

RESULTS

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Requirement@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirements (Acceptable Limit) as per IS 10500 : 2012	Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.44	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	424	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.23	IS 13428 (Annexure H)	0.5	1.00
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]	3	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	160.0	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Purush
Purush Mal Yogi
Senior Analyst

Rajesh
Rajesh Maneshwar
Authorized Signatory
(Report No: W/NABL/1290)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/1290
Job Identification : 11137/16-17
Date : 30-03-2017
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Mines
Type of Unit : Potable and Domestic Water
Type of Sample :
Date of Sample Collection/Monitoring : 08-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2012	-	-

Notes :-

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Puran Mai Yogi
Senior Analyst

Rajan
Authorized Signatory
(Report No: W/1290)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/1288
 Job Identification. : 11135/16-17
 Date : 30-03-2017
 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 : 10-03-2017
 Date of Sample Receipt : 14-03-2017
 Date of Test : 14-03-2017 to 30-03-2017
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Village Devpura (Govt. Hand Pump, School Devpura)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.41	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	220	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	25.25	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	320	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	56	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	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]	43.90	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	25.10	IS 3025 (Part 34) : 1988	45.00	-

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E-mail : teamtesthouse@gmail.com

Director@TeamHouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.38	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	216	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	1.00
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]	2	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	140.0	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Puranga
Puranga Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/1288)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/1288
Job Identification : 11135/16-17
Date : 30-03-2017
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 : 10-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Devpura (Govt. Hand Pump, School Devpura)

RESULTS

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

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Purnima Yogi
Senior Analyst

Rajendra Singh
Authorized Signatory
(Report No: W/1288)



TEAM TEST HOUSE

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



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/1289
Job Identification. : 11136/16-17
Date : 30-03-2017
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 : 08-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
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	7.38	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	288	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]	60.22	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	502	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	80	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	21.38	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]	78.33	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	19.50	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Website: www.teamtesthouse.com

RESULTS

E-mail: teamtesthouse@gmail.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]	0.84	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	268	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.20	IS 13428 (Annexure H)	0.5	1.00
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	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	200.0	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

Notes :-

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Puraja
Puraja Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/1289)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. :	W/1289
Job Identification. :	11136/16-17
Date :	30-03-2017
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhihvara- 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable and Domestic Water
Date of Sample Collection/Monitoring :	08-03-2017
Date of Sample Receipt :	14-03-2017
Date of Test :	14-03-2017 to 30-03-2017
Sample Collected By :	Parsa Ram Kudi
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	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2012 : 6440 B	0.0001	-
2	Pesticides [mg/l]	Not detected	APHA : 2012	-	-

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Purnima Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/1289)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/1291
 Job Identification. : 11138/16-17
 Date : 30-03-2017
 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 : 10-03-2017
 Date of Sample Receipt : 14-03-2017
 Date of Test : 14-03-2017 to 30-03-2017
 Sample Collected By : Sandeep Kumar
 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	7.63	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	392	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	91.31	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	792	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	86.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	42.77	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]	87.0	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	26.35	IS 3025 (Part 34) : 1988	45.00	-

Note:

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RESULTS

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S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.41	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	416	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	1.00
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	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Calcium Hardness [mg/l]	216	IS 3025 (Part 40) : 1991	-	-
34	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Purayya
Purayya Mohi
Senior Analyst

Rajen
Raiesh Maheshwar
Authorized Signatory
(Report No: W/NABL/1291)



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TEST REPORT

Report No. :	W/1291
Job Identification. :	11138/16-17
Date :	30-03-2017
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 :	10-03-2017
Date of Sample Receipt :	14-03-2017
Date of Test :	14-03-2017 to 30-03-2017
Sample Collected By :	Sandeep Kumar
Point of Collection :	Village Mahua Khurd (Govt. Adarsh Higher Secoundray School Mahua Khurd)

RESULTS

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

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Purva
Purva Mal Yogi
Senior Analyst

Rajesh
Rajesh Mohashwan
Authorized Signatory
(Report No: W/1291)



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TEST REPORT

Report No. : W/NABL/1292
Job Identification : 11139/16-17
Date : 30-03-2017
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 : 09-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Banera (Dr. B.R.A. Govt. Campus, Banera)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.59	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	504	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]	31.08	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]	108.8	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	56.38	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]	68.12	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	14.62	IS 3025 (Part 34) : 1988	45.00	-

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E-mail : teamtesthouse@gmail.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.33	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	404	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	1.00
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	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	272.0	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Purush
Purush Malhotra
Senior Analyst

Rajesh
Rajesh Maneshwar
Authorized Signatory
(Report No: W/NABL/1292)



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TEST REPORT

Report No. : W/1292
Job Identification : 11139/16-17
Date : 30-03-2017
Issued To : M/S Jindal Saw Limited (Lamplya Mines)
ML No. 627/05, Village : Lamplya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Mines
Type of Unit : Potable and Domestic Water
Type of Sample :
Date of Sample Collection/Monitoring : 09-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Village Banera (Dr. B.R.A. Govt. Campus, Banera)

RESULTS

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

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Puranya
Puranya Mai Yogi
Senior Analyst

Rajesh
Rajesh Maneshwan
Authorized Signatory
(Report No: W/1292)



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TEST REPORT

Report No. : W/NABL/1294
Job Identification : 11141/16-17
Date : 30-03-2017
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 : 10-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Jaliya Canal Water (Surface Water)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.76	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	132	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]	17.48	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	203	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	44.8	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	4.86	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]	19.30	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	10.30	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Rajen



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.30	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	172	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.20	IS 13428 (Annexure H)	0.5	1.00
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]	15	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	112.0	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/1294)



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TEST REPORT

Report No. :	W/1294
Job Identification. :	11141/16-17
Date :	30-03-2017
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 :	10-03-2017
Date of Sample Receipt :	14-03-2017
Date of Test :	14-03-2017 to 30-03-2017
Sample Collected By :	Parsa Ram Kudi
Point of Collection :	Jaliya Canal Water (Surface Water)

RESULTS

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

Notes -

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Puranga
Senior Analyst Yogi

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: W/1294)



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TEST REPORT

Report No. : W/NABL/1293
Job Identification. : 11140/16-17
Date : 30-03-2017
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 : 10-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Mandal Pond (Surface Water)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.96	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	132	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]	13.6	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	201	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	17.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	21.38	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]	16.54	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	18.52	IS 3025 (Part 34) : 1988	45.00	-

Note:

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RESULTS

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S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.28	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	108	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	1.00
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]	24	IS 3025 (part 15) : 1984	-	-
27	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	Total Chromium [mg/l]	BDL(<0.01)	APHA :2012 :3111- B	0.05	-
29	selenium [mg/l]	BDL(<0.01)	IS 3025 (Part 56) : 2003	0.01	-
30	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994	0.001	-
31	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992	0.001	0.002
32	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991	0.5	-
33	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986	0.05	-
34	Calcium Hardness [mg/l]	44.0	IS 3025 (Part 40) : 1991	-	-
35	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.2	1.00

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Puran Mal Jogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: W/NABL/1293)



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TEST REPORT

Report No. : W/1293
Job Identification : 11140/16-17
Date : 30-03-2017
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 : 10-03-2017
Date of Sample Receipt : 14-03-2017
Date of Test : 14-03-2017 to 30-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Mandal Pond (Surface Water)

RESULTS

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

Notes ->

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Purana
Purana Malhotra
Senior Analyst

Rajwan
Authorized Signatory
(Report No: W/1293)



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TEST REPORT

Report No N/1390
Date 25/03/2017
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 08/03/2017 to 10/03/2017
Date of Sample Receipt 15/03/2017
Date of Test 15/03/2017
Sample Collected by Parsa Ram Kudi
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	53.0	42.2
2.	Jaliya Village	48.3	38.5
3.	Devpura Village	48.5	37.9
4.	Kamalpara Village	51.4	38.6
5.	Baneda Village	52.3	41.5
6.	Chamanpura Village	50.4	39.4

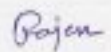
Standard Limits [in dB (A)] Leq

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

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Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No.: - N/1390)