



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

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JDA/UDH

Office : E-65, Chitrangan Marg,
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Phone : 0141-2369980, 2771865
Report No. teamtesthouse.com
Web : www.teamtesthouse.com

TEST REPORT

Lab.: G1-584, Sitapura Industrial Area
Tonk Road, JAIPUR-302022 Raj.
Ph.: 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

Job Identification :

A/636

2218/16-17

Date :

29-06-2016

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 :

09-06-2016

Date of Sample Receipt :

13-06-2016

Date of Test :

13-06-2016 to 29-06-2016

Sample Collected By :

Darwesh Kumar

Point of Collection :

Village Chamanpura

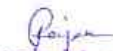
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.07	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	284.14	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.34	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.74	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	66.53	IS 5182 (Part 23)	100.00

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.


Purnan Maheshwari
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/636)



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TEST REPORT

Report No. :	A/631
Job Identification. :	2213/16-17
Date :	29-06-2016
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 :	07-06-2016
Date of Sample Receipt :	13-06-2016
Date of Test :	13-06-2016 to 29-06-2016
Sample Collected By :	Darwesh Kumar
Point of Collection :	Village Banera (Laaturam House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.22	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	311.28	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.03	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.79	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	67.83	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mohi Yodi
Puran Mohi Yodi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: A/631)



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TEST REPORT

Job Identification. : 2214/16-17
Date : 29-06-2016
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 : 08-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 29-06-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Kamalpura (Shri Bhaver lal Gurjar Purv Sarpanch House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	260	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.55	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	259.37	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	30.27	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.81	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	58.11	IS 5182 (Part 23)	100.00

Notes :-

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Purnima Maheshwari
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/632)



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TEST REPORT

Report No. A/633
Job Identification : 2215/16-17
Date : 29-06-2016
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 : 07-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 29-06-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Lampiya (Nr Mining Area in front of Lakshman Singh Farm House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	270	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	17.86	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	262.14	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	24.25	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.99	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	60.53	IS 5182 (Part 23)	100.00

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Purani
Purani M.S. Yogi
Senior Analyst

Rajon
Rajesh Maheshwan
Authorized Signatory
(Report No: A/633)



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Report No.

A/634

Job Identification. :

2216/16-17

Date :

29-06-2016

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 :

09-06-2016

Date of Sample Receipt :

13-06-2016

Date of Test :

13-06-2016 to 29-06-2016

Sample Collected By :

Darwesh Kumar

Point of Collection :

Village Devpura Shri Narayan Lal Gurjar

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.32	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	275.49	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	26.75	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.75	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	69.72	IS 5182 (Part 23)	100.00

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Puran Mahapatra
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/634)



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Report No. :
Job Identification : 2217/16-17
Date : 29-06-2016
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 : 09-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 29-06-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Jaliya (Ramji Lal House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.11	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	272.17	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	24.81	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.25	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	69.3	IS 5182 (Part 23)	100.00

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/635)



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TEST REPORT

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Ph : 94602-22039, 94602-22049
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Job Identification :

A/702

2934/16-17

Date :

08-07-2016

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 :

Ambient Air Quality Monitoring

Date of Sample Collection/Monitoring :

30-06-2016

Date of Sample Receipt :

04-07-2016

Date of Test :

04-07-2016 to 07-07-2016

Sample Collected By :

Darwesh Kumar

Point of Collection :

Village Jaliya (Ramji Lal House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.14	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	262.7	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.15	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.15	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	58.54	IS 5182 (Part 23)	100.00

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Purnan Malhotra
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/702)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No: A/701
Job Identification.: 2933/16-17
Date : 08-07-2016
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Mines
Type of Unit :
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 30-06-2016
Date of Sample Receipt : 04-07-2016
Date of Test : 04-07-2016 to 07-07-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Devpura Shri Narayan Lal Gurjar

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	230	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.91	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	269.06	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	30.01	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.96	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	62.02	IS 5182 (Part 23)	100.00

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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/701)



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TEST REPORT

Report No.:	A/700	
Job Identification.:	2932/16-17	
Date:	08-07-2016	
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:	Ambient Air Quality Monitoring	
Date of Sample Collection/Monitoring:	29-06-2016	
Date of Sample Receipt:	04-07-2016	
Date of Test:	04-07-2016 to 07-07-2016	
Sample Collected By:	Darwesh Kumar	
Point of Collection:	Village Lampiya (Nr Mining Area in front of Lakshman Singh Farm House)	

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.6	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	270.29	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	26.95	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.77	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	72.09	IS 5182 (Part 23)	100.00

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Ravindra
Ravindra Maheshwari
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/700)



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Report No: A/699
Job Identification : 2931/16-17
Date : 08-07-2016
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 : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-06-2016
Date of Sample Receipt : 04-07-2016
Date of Test : 04-07-2016 to 07-07-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Village Kamalpura (Shri Bhaer Lal Gurjar Purv Sarpanch House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	180	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.4	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	210.3	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	21.67	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.15	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	64.08	IS 5182 (Part 23)	100.00

Notes :-

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Purnan Malvogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/699)



TEAM TEST HOUSE

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



T-1763, T-2276

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TEST REPORT

Report No. : W/NABL/354
Job Identification. : 2225/16-17
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 : 08-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 04-07-2016
Sample Collected By : Darwesh Kumar
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	8.16	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]	0.02	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	250.7	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1002	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	120	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	63.18	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]	72.00	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	27.93	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Rajan



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Lab.: G1-584, Sitapura Industrial Area
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Phone : 0141-2369980, 2771865

RESULTS

Ph : 94602 22030, 94602 22049

Website : www.teamttesthouse.com

E-mail : teamttesthouse@teamttesthouse.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]	0.66	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	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]	0.03	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	360	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]	0.37	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
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/354)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/354
Job Identification. : 2225/16-17
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 : 08-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 07-07-2016
Sample Collected By : Darwesh 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]	300	IS 3025 (Part 40):1991	-	-

Notes :-

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Purish Maheshwari
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/354)



TEAM TEST HOUSE

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

TEST REPORT

Report No. :	W/NABL/355
Job Identification. :	2226/16-17
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 :	08-06-2016
Date of Sample Receipt :	13-06-2016
Date of Test :	13-06-2016 to 06-07-2016
Sample Collected By :	Darwesh Kumar
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	8.02	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]	0.03	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	50.14	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	783	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	57.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	34.99	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	75.00	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	37.46	IS 3025 (Part 34) : 1988	45.00	-

Note:

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E-mail : rajesh@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	1.09	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]	344	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.38	IS 13428 (Annexure H)	1.00	5.00
24	E-coli [MPN/100ml]	Not detected	IS 5887 (Part 1)	Shall not be detectable in 100 ml sample	-
25	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
26	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
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/355)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/355
Job Identification. : 2226/16-17
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 : 08-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 07-07-2016
Sample Collected By : Darwesh Kumar
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]	144	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/355)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/356
 Job Identification. : 2227/16-17
 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 : 08-06-2016
 Date of Sample Receipt : 13-06-2016
 Date of Test : 13-06-2016 to 07-07-2016
 Sample Collected By : Darwesh Kumar
 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	7.26	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	368	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]	100.28	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	525	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]	23.33	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	61.80	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	20.77	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Tonk Road, JAIPUR-302022 Raj.
Ph.: 94602 22030, 94602 22049

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]	0.61	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]	0.05	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	336	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]	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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Ruchan Mal
Ruchan Mal
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/356)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/356
 Job Identification. : 2227/16-17
 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 : 09-06-2016
 Date of Sample Receipt : 13-06-2016
 Date of Test : 13-06-2016 to 07-07-2016
 Sample Collected By : Darwesh Kumar
 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]	272	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yogi
 Senior Analyst

Rajesh Maheshwari
 Authorized Signatory
 (Report No: W/356)



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TEST REPORT

Report No. :	W/NABL/357
Job Identification. :	2228/16-17
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 :	09-06-2016
Date of Sample Receipt :	13-06-2016
Date of Test :	13-06-2016 to 07-07-2016
Sample Collected By :	Darwesh Kumar
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	7.35	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	550	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	255.52	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1188	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]	46.17	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]	195.00	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	32.62	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Rajan



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Website : www.teamtesthouse.com

Pin : 34602-22039, 34602-22049
E-mail : teamtesthouse@gmail.com
E-mail : teamtest@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]	0.58	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]	0.26	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	364	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]	0.29	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
Puran Mal Yogi
Senior Analyst

Basen
Authorized Signatory
(Report No: W/NABL/357)



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

TEST REPORT

Report No. : W/357
Job Identification. : 2228/16-17
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 : 09-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 07-07-2016
Sample Collected By : Darwesh Kumar
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 Mishra
Authorized Signatory
(Report No: W/357)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/358
Job Identification. : 2229/16-17
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 : 09-06-2016
Date of Sample Receipt : 13-06-2016
Date of Test : 13-06-2016 to 07-07-2016
Sample Collected By : Darwesh Kumar
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	7.66	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	420	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	57.85	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	675	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]	47.63	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]	103.02	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	15.10	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]	0.58	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]	344	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.45	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 Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/358)



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TEST REPORT

Report No. : W/358
 Job Identification. : 2229/16-17
 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 : 09-06-2016
 Date of Sample Receipt : 13-06-2016
 Date of Test : 13-06-2016 to 07-07-2016
 Sample Collected By : Darwesh Kumar
 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]	224	IS 3025 (Part 40):1991	-	-

Notes :-

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Puran Mal Yogi
 Senior Analyst

Rajesh Maheshwari
 Authorized Signatory
 (Report No: W/358)



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TEST REPORT

Report No. :	W/NABL/359
Job Identification. :	2230/16-17
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 :	08-06-2016
Date of Sample Receipt :	13-06-2016
Date of Test :	13-06-2016 to 07-07-2016
Sample Collected By :	Darwesh 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	7.30	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	520	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]	131.14	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	858	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]	58.32	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]	94.01	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	38.17	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]	0.66	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	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]	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]	0.33	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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Puranshu
Puranshu Manjogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/359)



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TEST REPORT

Report No. : W/359
 Job Identification : 2230/16-17
 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 : 08-06-2016
 Date of Sample Receipt : 13-06-2016
 Date of Test : 13-06-2016 to 07-07-2016
 Sample Collected By : Darwesh Kumar
 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]	280	IS 3025 (Part 40):1991	-	-

Notes :-

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Purnima Maheshwari
 Senior Analyst

Rajesh Maheshwari
 Authorized Signatory
 (Report No: W/359)



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TEST REPORT

Report No	N/310
Date	29/06/2016
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	07/06/2016 to 10/06/2016
Date of Sample Receipt	13/06/2016
Date of Test	13/06/2016
Sample Collected by	Darwesh Kumar
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	51.2	42.3
2.	Jaliya Village	48.6	40.2
3.	Devpura Village	50.3	39.4
4.	Kamalpura Village	48.5	40.5
5.	Baneda Village	49.0	39.2
6.	Chamanpura Village	51.4	41.5

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: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Puran Mal
Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
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(Report No.: - N/310)