



TEAM TEST HOUSE

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

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

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TEST REPORT

Report No. : A/1320
Job Identification. : 2573
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Switch Yard Area

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	360	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	15.8	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	218.33	IS 5182 (Part 4) : 1999	500

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	25.23	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	10.45	IS 5182 (Part 2): 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	91.94	IS 5182 (Part 23)	100.00

Notes :-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1320)



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TEST REPORT

Report No. : A/1337
 Job Identification. : 2597
 Date : 23-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Iron Industry
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 30-09-2013
 Date of Sample Receipt : 05-10-2013
 Date of Test : 05-10-2013 to 23-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : CCR Building

RESULTS

S.N	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]	10.66	IS 5182 (Part 6) : 2006	80.00
3	Particulate Matter (PM _{2.5}) [microgram/m ³]	22.87	CPCB Guidelines	60.00

Darwesh

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Sulphur Dioxide [microgram/m ³]	9.11	IS 5182 (Part 2) : 2001	80.00
5	Particulate Matter (PM 10) [microgram/m ³]	44.58	IS 5182 (Part 23)	100.00

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TEST REPORT

Report No.	A/1326
Job Identification	25/79
Date issued to	22-10-2013
Issued to	Mrs. Jindal Saw Limited Village Pur Near Tiranga Hillis (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit	Iron Industry
Type of Sample	Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring	01-10-2013
Date of Sample Receipt	03-10-2013
Date of Test	03-10-2013 to 15-10-2013
Sample Collected By	Darwesh Kumar
Point of Collection	CCR Building

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection act, 1986
1	Lday [dB(A)]	54.56	IS 4954	75
2	Lnight [dB(A)]	43.15	IS 4954	70

Notes

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(Rajendra Mathur)
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TEST REPORT

Report No: A/1327
 Job Identification: 2580
 Date: 22-10-2013
 Issued To: M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhiwara - 311002
 (Rajasthan)
 Type of Unit: Iron Industry
 Type of Sample: Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring: 01-10-2013
 Date of Sample Receipt: 03-10-2013
 Date of Test: 03-10-2013 to 15-10-2013
 Sample Collected By: Darwesh Kumar
 Point of Collection: Near DG Sor

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	74.59	IS 4954	75
2	Lnight [dB(A)]	64.82	IS 4954	70

Notes:

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 (Kavita Mathur)
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TEST REPORT

Report No.: A/1328
 Job Identification: 2581
 Date: 22-10-2013
 Issued To: M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District: Bhiwara - 311802
 (Rajasthan)
 Type of Unit: Iron Industry
 Type of Sample: Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring: 01-10-2013
 Date of Sample Receipt: 03-10-2013
 Date of Test: 03-10-2013 to 15-10-2013
 Sample Collected By: Darvesh Kumar
 Point of Collection: Near Cooler Area

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per environment protection rules, 1986
1	Lday [dB(A)]	71.48	IS 4954	75
2	Lnight [dB(A)]	59.81	IS 4954	70

Notes

- The results listed refer only to the tested sample (s) & parameters (s). Enforcement of procedure is not to be construed as implied.
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TEST REPORT

Report No. : A/1329
 Job Identification. : 2582
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Iron Industry
 Type of Sample : Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring : 01-10-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Near TG Building

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	73.8	IS 4954	75
2	Lnight [dB(A)]	62.6	IS 4954	70

Notes :-

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TEST REPORT

Report No. : A/1330
Job Identification. : 2583
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Near LDO Tank

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	68.69	IS 4954	75
2	Lnight [dB(A)]	59.12	IS 4954	70

Notes :-

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TEST REPORT

Report No. : A/1331
Job Identification. : 2584
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Stracker Area

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	68.97	IS 4954	75
2	Lnight [dB(A)]	61.97	IS 4954	70

Notes :-

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TEST REPORT

Report No. : A/1332
 Job Identification. : 2585
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Iron Industry
 Type of Sample : Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring : 01-10-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Near Nitrogen Plant

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	68.3	IS 4954	75
2	Lnight [dB(A)]	62.49	IS 4954	70

Notes :-

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TEST REPORT

Report No. : A/1333
 Job Identification. : 2586
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Iron Industry
 Type of Sample : Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring : 01-10-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Balling Disc Building

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	71.10	IS 4954	75
2	Lnight [dB(A)]	62.96	IS 4954	70

Notes :-

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TEST REPORT

Report No. : A/1334
Job Identification. : 2587
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
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(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Near Bentoniti Building

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	71.53	IS 4954	75
2	Lnight [dB(A)]	62.45	IS 4954	70

Notes :-

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TEST REPORT

Report No. :	A/1335
Job Identification. :	2588
Date :	22-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Iron Industry
Type of Sample :	Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring :	01-10-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 15-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Near Proportioning Building

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	69.90	IS 4954	75
2	Lnight [dB(A)]	61.78	IS 4954	70

Notes :-

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TEST REPORT

Report No. :	A/1336
Job Identification. :	2589
Date :	22-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Iron Industry
Type of Sample :	Stack Monitoring
Date of Sample Collection/Monitoring :	02-10-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 15-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Rotary Kiln ESP Stack

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [mg/Nm ³]	20.12	IS 11255 :1985 (Part 1)	50
2	Sulphur Dioxide [mg/Nm ³]	42.6	IS 11255 :1985 (Part 2)	-
3	Oxides of Nitrogen [mg/Nm ³]	386.26	IS 11255 :1985 (Part 7)	-

Notes :-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: A/1336)



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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. :	A/1321
Job Identification. :	2574
Date :	22-10-2013
Issued To :	M/s Jindal Saw Limited
	Village Pur Near Tiranga Hills (Dhedwas mine)
	Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Iron Industry
Type of Sample :	Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring :	01-10-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 15-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Plant Area (Crusher Unit)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	280	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.27	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	257.88	IS 5182 (Part 4) : 1999	500

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	43.03	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	9.07	IS 5182 (Part 2) 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	96.54	IS 5182 (Part 23)	100.00

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(Rajesh Maheshwari)
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(Kavita Mathur)
Authorized Signatory
(Report No: A/1321)



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TEST REPORT

Report No. : A/1322
Job Identification. : 2575
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Tata Blue Scope Shed

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	310	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16.42	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	216.33	IS 5182 (Part 4) : 1999	500

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	32.66	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	9.62	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	78.17	IS 5182 (Part 23)	100.00

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TEST REPORT

Report No : A/1428
Date : 26/10/2013
Issued to : M/s. Jindal Saw Limited
Village Pur Near Tiranga Hills (Dhedwas mine),
Tehsil & District – Bhilwara – 311802
Rajasthan.
Type of Unit : Industry
Date of Monitoring : 28/09/2013
Date of Sample Receipt : 01/10/2013
Date of Test : 01/10/2013
Sample Collected by : Darwesh Kumar
Type of Monitoring : Ambient Noise Monitoring
Instrument Used : Noise Level meter

RESULTS

Sr. No.	Point Of Monitoring	Type of Area	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Near Admin Block (Office)	Industrial Area	56.3	48.2
2.	Near raw material Storage Yard (Mines Area)	Industrial Area	57.8	52.6

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Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No.: - A/1428)



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TEST REPORT

Report No. : A/1325
Job Identification. : 2578
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Tata Blue Scope Shed

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	61.95	IS 4954	75
2	Lnight [dB(A)]	52.86	IS 4954	70

Notes :-

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TEST REPORT

Report No. : A/1324
Job Identification. : 2577
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 01-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Plant Area (Crusher Unit)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	71.2	IS 4954	75
2	Lnight [dB(A)]	63.4	IS 4954	70

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(Kavita Mathur)
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TEST REPORT

Report No. : A/1323
 Job Identification. : 2576
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Iron Industry
 Type of Sample : Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring : 01-10-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Switch Yard Area

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	64.38	IS 4954	75
2	Lnight [dB(A)]	57.36	IS 4954	70

Notes :-

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TEST REPORT

Report No. :	WW/NABL/378
Job Identification. :	2547
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Iron Industry
Type of Sample :	Wastewater Sample
Date of Sample Collection/Monitoring :	02-10-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Tailing Filter Recycling

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Suspended Solids [mg/l]	20	APHA.2005:2540-D	100
2	Biochemical Oxygen Demand (BOD) [mg/l]	2.8	APHA 2005:5210-B	30
3	Chemical Oxygen Demand (COD) [mg/l]	28.22	APHA:2005 : 5220-C	250

Note:

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Darwesh



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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
4	pH	7.99	APHA:2005 : 4500 H+B	5.5 - 9.0
5	Oil & Grease [mg/l]	3	APHA-2005:5520-B	10

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(Rajesh Maheshwari)
Technical Manager

Kavita
(Kavita Mathur)
Authorized Signatory

(Report No: WW/NABL/378)



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TEST REPORT

Report No. : W/NABL/379
 Job Identification. : 2548
 Date : 23-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Iron Industry
 Type of Sample : Wastewater Sample
 Date of Sample Collection/Monitoring : 02-10-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 23-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Reservoir Water

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Suspended Solids [mg/l]	31	APHA.2005:2540-D	100
2	Biochemical Oxygen Demand (BOD) [mg/l]	3	APHA.2005:5210-B	30
3	Chemical Oxygen Demand (COD) [mg/l]	29.79	APHA:2005 : 5220-C	250

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
4	pH	8.70	APHA:2005 : 4500 H+B	5.5 - 9.0
5	Oil & Grease [mg/l]	1	APHA-2005 :5520-B	10

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Raj

(Rajesh Maheshwari)

Technical Manager

Kavita

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Authorized Signatory

(Report No: W/NABL/379)



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TEST REPORT

Report No. : W/NABL/340
Job Identification. : 2546
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhitwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Potable & Domestic Water
Date of Sample : 02-10-2013
Collection/Monitoring :
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Adm Block (Drinking Water)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	6.84	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	128	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003	0.3	1.00

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	52.64	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	267	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	24	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	16.52	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) :	0.1	0.3
14	Sulphate [mg/l]	58.39	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	15.93	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	0.224	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	72	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	0.27	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	Less than 0.01	APHA :2005 :3111- B	-	-

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium (mg/l)	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita
(Kavita Mathur)
Authorized Signatory

(Report No: W/NABL/340)



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TEST REPORT

Report No. : W/340
Job Identification. : 2546
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Iron Industry
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 02-10-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Adm Block (Drinking Water)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	4	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

Notes :-

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Kavita
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Authorized Signatory
(Report No: W/340)



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TEST REPORT

Report No. : A/1296
Job Identification. : 2549
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Dariba Village (Hariram House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	170	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.47	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	165.68	IS 5182 (Part 4) : 1999	

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E-mail : teamtest@rediffmail.com

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.41	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	59.9	IS 5182 (Part 23)	100.00

Notes :-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: A/1296)



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TEST REPORT

Report No. : A/1297
Job Identification. : 2550
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Samodi Village (Balaji temple- On roof)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.36	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	206.56	IS 5182 (Part 4) : 1999	400

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E-mail : teamtest@rediffmail.com

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM2.5) [microgram/m ³]	35.54	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.75	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM10) [microgram/m ³]	69.41	IS 5182 (Part 23)	100.00

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: AJ/1297)



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TEST REPORT

Report No. :	A/1298
Job Identification. :	2551
Date :	22-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring :	27-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 15-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Gundali Village (Kanti Lal House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	180	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.75	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	146.72	IS 5182 (Part 4) : 1999	

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.06	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.75	IS 5182 (Part 2) 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	51.92	IS 5182 (Part 23)	100.00

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1298)



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TEST REPORT

Report No. : A/1299
Job Identification. : 2552
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Suras Village (Ratan Lal house-on roof)

RESULTS

S.N	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]	13.1	IS 5182 (Part-6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	165.16	IS 5182 (Part 4) : 1999	"

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E-mail : teamtest@rediffmail.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM2.5) [microgram/m ³]	31.35	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.52	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	58.61	IS 5182 (Part 23)	100.00

Notes :-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita
(Kavita Mathur)
Authorized Signatory
(Report No: A/1299)



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TEST REPORT

Report No. : A/1300
Job Identification. : 2553
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Dhulkhera Village (Prabhu Lal Carpenter)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	160	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.24	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	195.5	IS 5182 (Part 4) : 1999	

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.7	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.53	IS 5182 (Part 2) 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	63.65	IS 5182 (Part 23)	100.00

Notes :-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1300)



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TEST REPORT

Report No. :	A/1301
Job Identification. :	2554
Date :	22-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring :	28-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 15-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Mandal Village (Eased Mod. House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.05	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	230.09	IS 5182 (Part 4) : 1999	500

(Signature)

Note:

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	26.79	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	9.6	IS 5182 (Part 2): 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	64.16	IS 5182 (Part 23)	100.00

Notes :-

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(Rajesh Maheshwari)
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(Kavita Mathur)
Authorized Signatory
(Report No: A/1301)



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TEST REPORT

Report No. : A/1302
Job Identification. : 2555
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Bhadu Village (Shashikant House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.3	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	195.52	IS 5182 (Part 4) : 1999	500

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	19.8	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.88	IS 5182 (Part 2): 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	64.97	IS 5182 (Part 23)	100.00

Notes :-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: A/1302)



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TEST REPORT

Report No. : A/1303
Job Identification. : 2556
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Kanoli Village (Kuldeep singh house
-On Roof)

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]	13.81	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	169.81	IS 5182 (Part 4) : 1999	400

Note:

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E-mail : teamtest@rediffmail.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	23.71	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.09	IS 5182 (Part 2): 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	66.2	IS 5182 (Part 23)	100.00

Notes :-

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(Kavita Mathur)
Authorized Signatory
(Report No: A/1303)



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TEST REPORT

Report No. : A/1304
Job Identification : 2557
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Gandhi sagar village

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	280	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	231.99	IS 5182 (Part 4) : 1999	

Note:

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RESULTS

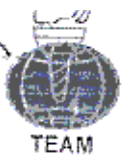
S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM2.5) [microgram/m ³]	36.43	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.03	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	63.76	IS 5182 (Part 23)	100.00

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(Kavita Mathur)
Authorized Signatory
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TEST REPORT

Report No. : A/1305
Job Identification : 2558
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Suwana Village (Gopi Lal Ji)

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]	12.78	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	196.8	IS 5182 (Part 4) : 1999	-

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	31.79	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	8.27	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	61.95	IS 5182 (Part 23)	100.00

Notes :-

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Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1305)



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TEST REPORT

Report No. : A/1306
 Job Identification. : 2559
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhitwara - 311802
 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 30-09-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Biliya Village (Kishan Lal Sharma House)

RESULTS

S.N	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]	14.15	IS 5182 (Part.6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	174.29	IS 5182 (Part 4) : 1999	-

Note:

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Darwesh Kumar



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	26.51	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	13.54	IS 5182 (Part 2) 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	67.73	IS 5182 (Part 23)	100.00

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Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1306)



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TEST REPORT

Report No. : A/1307
Job Identification : 2560
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan) *
Type of Unit : Mines *
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 30-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Pur Village (Ram 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]	200	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.36	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	187.93	IS 5182 (Part 4) : 1999	-

Note:

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	21.47	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	6.48	IS 5182 (Part 2): 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	68.29	IS 5182 (Part 23)	100.00

Notes :-

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(Kavita Mathur)
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(Report No: A/1307)



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TEST REPORT

Report No. : A/1308
Job Identification. : 2561
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Dariba Village (Hariram House)


RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	52.4	IS 4954	55
2	Lnight [dB(A)]	43.2	IS 4954	45

Notes :-

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TEST REPORT

Report No. : A/1309
 Job Identification. : 2562
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring : 27-09-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Samodi Village (Near Balaji temple)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	53.89	IS 4954	55
2	Lnight [dB(A)]	42.53	IS 4954	45

Notes :-

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(Kavita Mathur)
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TEST REPORT

Report No. : A/1310
Job Identification. : 2563
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Gundali Village (Kanti Lal House)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	L _{day} [dB(A)]	52.36	IS 4954	55
2	L _{night} [dB(A)]	41.59	IS 4954	45

Notes :-

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TEST REPORT

Report No. : A/1311
 Job Identification. : 2564
 Date : 22-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Noise Level Monitoring
 Date of Sample Collection/Monitoring : 27-09-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 15-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Suras Village (Ratan Lal House)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	50.98	IS 4954	55
2	Lnight [dB(A)]	39.33	IS 4954	45

Notes :-

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TEST REPORT

Report No. : A/1312
Job Identification. : 2565
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Dhulkhera Village (Prabhu Lal Carpenter)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	51.98	IS 4954	55
2	Lnight [dB(A)]	41.52	IS 4954	45

Notes :-

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(Kavita Mathur)
Authorized Signatory
(Report No: A/1312)



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TEST REPORT

Report No. : A/1313
Job Identification : 2566
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Mandal Village (Eased Mod. House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	50.90	IS 4954	55
2	Lnight [dB(A)]	40.65	IS 4954	45

Notes :-

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TEST REPORT

Report No. : A/1314
Job Identification. : 2567
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Bhadu Village (Shashikant House)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	48.17	IS 4954	55
2	Lnight [dB(A)]	39.01	IS 4954	45

Notes :-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1314)



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TEST REPORT

Report No. : A/1315
Job Identification. : 2568
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Kanoli Village (Nr., Kuldeep Singh House on Roof)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	48.33	IS 4954	55
2	Lnight [dB(A)]	40.41	IS 4954	45

Notes :-

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(Kavita Mathur)
Authorized Signatory
(Report No: A/1315)



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TEST REPORT

Report No. : A/1316
Job Identification. : 2569
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Gandhi sagar village

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	52.93	IS 4954	55
2	Lnight [dB(A)]	44.56	IS 4954	45

Notes :-

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(Kavita Mathur)
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TEST REPORT

Report No. : A/1317
Job Identification. : 2570
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Suwana Village (Gopi Lal Ji)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
0				
1	Lday [dB(A)]	50.26	IS 4954	55
2	Lnight [dB(A)]	42.07	IS 4954	45

Notes :-

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(Kavita Mathur)
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TEST REPORT

Report No. : A/1318
Job Identification. : 2571
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 30-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Biliya Village (Kishan Lal Sharma House)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	54.95	IS 4954	55
2	Lnight [dB(A)]	43.31	IS 4954	45

Notes :-

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(Kavita Mathur)
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TEST REPORT

Report No. : A/1319
Job Identification. : 2572
Date : 22-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan) *
Type of Unit : Mines
Type of Sample : Ambient Noise Level Monitoring *
Date of Sample Collection/Monitoring : 30-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 15-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Pur Village (Ram Lal House)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Lday [dB(A)]	54.80	IS 4954	55
2	Lnight [dB(A)]	42.4	IS 4954	45

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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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: A/1319)



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TEST REPORT

Report No. :	W/NABL/327
Job Identification. :	2534
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	27-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Dariba (Tubewell Water-Aruvedic Dispansary)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	7.64	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	580	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003	0.3	1.00

Note:

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Darwesh



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	127.05	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1049	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	160	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	43.74	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	142.32	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	1.38	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	0.515	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.06	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	484	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.28	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.05	APHA :2005 :3111- B	-	-

Note:

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita Mathur
(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/327)



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TEST REPORT

Report No. : W/327
Job Identification : 2534
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Dariba (Tubewell Water-Aruvedic Dispansary)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	24	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS:3025 (Part 26) : 1986	0.2	-

Notes :-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: W/327)



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TEST REPORT

Report No. :	W/NABL/328
Job Identification. :	2535
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	27-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Samodi Village (Tubewell Water- Govt. Supply)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	8.47	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	200	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	0.03	IS 3025 (Part 53) : 2003	0.3	1.00

Note:

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(Signature)



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	117.98	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	796	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	32	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	29.16	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	88.72	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	18.68	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	1.75	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.08	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	432	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.08	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.05	APHA :2005 :3111-B	-	-

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	-	-

Notes :-

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(Rajesh Maheshwari)

Technical Manager

(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/328)



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TEST REPORT

Report No. :	W/328
Job Identification. :	2535
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	27-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Samodi Village (Tubewell Water-Govt. Supply)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	11	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

Notes :-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: W/328)



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



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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. :	W/NABL/329
Job Identification. :	2536
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	27-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Gundali Village (Tubewell water of shankar lal gurjar)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part-10) : 1984	5.00	10.00
5	pH	8.39	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	100	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	0.04	IS 3025 (Part 53) : 2003	0.3	1.00

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	36.3	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	234	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	25.6	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	8.75	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	10.69	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	6.76	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	0.367	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	-	-
20	Zinc [mg/l]	0.07	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	104	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.15	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.05	APHA :2005 :3111- B	-	-

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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Rajesh
(Rajesh Maheshwari)

Technical Manager

Kavita Mathur
(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/329)



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TEST REPORT

Report No. : W/329
Job Identification : 2536
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Gundali Village (Tubewell water of shankar lal gurjar)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	6	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part:26) : 1986	0.2	-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: W/329)



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TEST REPORT

Report No. : W/NABL/330
Job Identification. : 2537
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 27-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Suras Village (Open Well Water in Kothari River 1.5 km. from village)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	7.83	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	1160	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	0.05	IS 3025 (Part 53) : 2003	0.3	1.00

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RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	680.64	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	2494	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	232	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	140.94	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	160.52	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	20.14	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	1.43	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.03	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]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.64	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	3.59	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.04	APHA :2005:3.111- B	-	-

Note:

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RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita
(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/330)



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TEST REPORT

Report No. :	W/331
Job Identification. :	2538
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	28-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Dhulkhera (Tubewell water-Govt. supply)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	4	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No: W/331)



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TEST REPORT

Report No. : W/NABL/331
Job Identification. : 2538
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Dhulkhera (Tubewell water-Govt. supply)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	8.54	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	280	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	0.01	IS 3025 (Part 53) : 2003	0.3	1.00

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	116.16	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	644	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	70.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	25.27	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0
14	Sulphate [mg/l]	83.67	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	20.55	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	0.913	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.09	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	240	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.07	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.04	APHA :2005 3111- B	-	-

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita Mathur
(Kavita Mathur)
Authorized Signatory
(Report No: W/NABL/331)



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TEST REPORT .

Report No. :	W/331
Job Identification. :	2538
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	28-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Dhulkhera (Tubewell water-Govt. supply)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	4	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

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Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: W/331)



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E-mail : teamtest@rediffmail.com

TEST REPORT

Report No. : W/NABL/332
 Job Identification : 2539
 Date : 23-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Potable & Domestic Water
 Date of Sample Collection/Monitoring : 28-09-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 23-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Mandal Village (Wellwater of neelkanth mahadev mandir)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	7.16	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	1300	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	0.04	IS 3025 (Part 53) : 2003	0.3	1.00

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	535.44	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	3408	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	440	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	48.6	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	149.39	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	21.03	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	0.807	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	432	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	-
23	Boron	1.13	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	6	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.04	APHA :2005 :3111- B	-	-

Note:

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RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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Rajesh

(Rajesh Maheshwari)

Technical Manager

Kavita

(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/332)



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TEST REPORT

Report No. : W/332
Job Identification. : 2539
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Mandal Village (Wellwater of neelkanth mahadev mandir)

RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	21	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: W/332)



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TEST REPORT

Report No : **W/NABL/333 (Revised)**
 Date : **23/10/2013**
 Issued to : **M/s. Jindal Saw Limited**
Village Pur Near Tiranga Hills (Dhedwas mine),
Tehsil & District - Bhilwara - 311802
Rajasthan.

Type of Unit : **Mines**
 Type of Sample : **Potable & Domestic Water**
 Date of Sample Collection : **28/09/2013**
 Date of Sample Receipt : **03/10/2013**
 Date of Test : **03/10/2013 to 23/10/2013**
 Sample Collected By : **Mr. Darwesh Kumar**
 Point of Collection : **Bhadhu Village (Well Water from Banjari Mines)**
 Test Protocol : **APHA 21st Edition**

RESULTS

No	Parameters	Unit	Observed Value	Standard Desirable limits as per IS:10500, 1991	Standard Permissible limits as per IS:10500, 1991
1.	pH		7.09	6.5 - 8.5	
2.	Color	Hazen	5	5	25
3.	Odor		Unobjectionable	Unobjectionable	
4.	Taste		Agreeable	Agreeable	
5.	Turbidity	NTU	Less than 0.1	5	10
6.	Total Hardness as CaCO ₃	mg/l	3050	300	600
7.	Chlorides as Cl	mg/l	2019.23	250	1000
8.	Iron as Fe	mg/l	0.05	0.3	1.0
9.	Total Dissolved Solids	mg/l	7142	500	2000
10.	Calcium as Ca	mg/l	700	75	200
11.	Magnesium as Mg	mg/l	315.9	30	100
12.	Copper as Cu	mg/l	Less than 0.01	0.05	1.5
13.	Manganese as Mn	mg/l	Less than 0.01	0.1	0.3
14.	Arsenic as As	mg/l	Less than 0.01	0.05	
15.	Lead as Pb mg/l	mg/l	Less than 0.01	0.05	
16.	Zinc as Zn	mg/l	0.05	5	
17.	Boron as B	mg/l	1.02	1	5
18.	Total Alkalinity as CaCO ₃ mg/l	mg/l	604	200	600



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S. No	Parameters	Unit	Observed Value	Standard	
				Desirable limits as per IS:10500, 1991	Permissible limits as per IS:10500, 1991
19.	Aluminium as Al	mg/l	Less than 0.01	0.03	0.2
20.	Sulphate as SO ₄	mg/l	1231.02	200	400
21.	Nitrate as NO ₃	mg/l	22.89	45	-
22.	Fluoride as F	mg/l	1.66	1.0	1.5
23.	Cadmium as Cd	mg/l	Less than 0.01	0.01	-
24.	Total Chromium as Cr.	mg/l	0.03	-	-
25.	Selenium as Se	mg/l	Less than 0.01	0.01	-
26.	Total Coli form	MPN	Less than 0.3	Absent	-

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No. - W/NABL/333)



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JDA

Team Institute of Science & Technology Pvt. Ltd.
Plot No. 37/50
Sector 10, Jaipur-302013, Rajasthan
Report No: sthouse.com
Date
Issued to

TEST REPORT

: W/333 (Revised)

: 23/10/2013

: M/s. Jindal Saw Limited

: Village Pur Near Tiranga Hills (Dhedwas mine),

: Tehsil & District - Bhilwara - 311802

: Rajasthan,

: Mines

: Potable & Domestic Water

: 28/09/2013

: 03/10/2013

: 03/10/2013 to 23/10/2013

: Mr. Darvesh Kumar

: **Bhadhu Village (Well Water from Banjari Mines)**

: APHA 21st Edition

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Type of Unit
Type of Sample
Date of Sample Collection
Date of Sample Receipt
Date of Test
Sample Collected By
Point of Collection
Test Protocol

RESULTS

S. No	Parameters	Observed Value	Standard Desirable limits as per IS:10500, 1991	Standard Permissible limits as per IS:10500, 1991
1.	Total Suspended Solids,	87		
2.	Total Residual Chlorine	Less than 0.1	0.2	

Note:

BDE stands for Below Detection Level

Note: -

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Rajon
Rajesh Maheshwar
Technical Manager

Kavita
Kavita Malbur
Quality Manager
(Report No. Z- W. 333)



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TEST REPORT

Report No. :	W/NABL/334
Job Identification. :	2541
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	29-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Kanoli Village (Handpump water of Govt. school)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	8.12	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	264	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	0.02	IS 3025 (Part 53) : 2003	0.3	1.00

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	112.53	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	716	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	46.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	35.96	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	69.51	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	13.8	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	0.713	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.02	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]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	-
23	Boron	1.33	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.04	APHA :2005 :3111-B	-	-

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RESULTS

S.N	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	Permissible limits in the absence of Alternate Sources as per IS 10500 :1991

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Raj

(Rajesh Maheshwari)

Technical Manager

Kavita

(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/334)



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TEST REPORT

Report No. :	W/334
Job Identification. :	2541
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	29-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Kanoli Village (Handpump water of Govt. school)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	9	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS.3025 (Part 26) :1986	0.2	-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita
(Kavita Mathur)
Authorized Signatory
(Report No: W/334)



TEAM TEST HOUSE

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TEST REPORT

Report No. :	W/NABL/335
Job Identification. :	2542
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhiwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	29-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Gandhi sagar village (Tubewell water of Gandhi park)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectiona ble	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	8.03	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	480	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003	0.3	1.00

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	372.08	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1431	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	304	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	68.04	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	55.35	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	14.34	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	1.17	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.07	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	592	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.07	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	6.10	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	Less than 0.01	APHA :2005 3111- B	-	-

Note:

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RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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Raj

(Rajesh Maheshwari)

Technical Manager

Kavita Mathur

(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/335)



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TEST REPORT

Report No. : W/335
Job Identification. : 2542
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 29-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Gandhi sagar village (Tubewell water of Gandhi park)

RESULTS

S.N o	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 1991
1	Suspended Solids [mg/l]	6	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: W/335)



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TEST REPORT

Report No. :	W/NABL/336
Job Identification. :	2543
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	28-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Suhana (PHED Supply tubewell form kankrolia Govt.)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	7.70	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	520	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003	0.3	1.00

Note:

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Darwesh



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	544.51	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	2109	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]	77.76	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	177.71	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	20.7	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	2.57	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	688	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.54	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	0.02	APHA :2005 :3111- B	-	-

[Signature]

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

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Raj
(Rajesh Maheshwari)

Technical Manager

Kavita
(Kavita Mathur)

Authorized Signatory

(Report No: WNABL/336)



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TEST REPORT

Report No. : W/336
Job Identification. : 2543
Date : 23-10-2013
Issued To : M/s Jindal Saw Limited
Village Pur Near Tiranga Hills
(Dhedwas mine)
- Tehsil & District Bhilwara - 311802
(Rajasthan)
Type of Unit : Mines
Type of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 28-09-2013
Date of Sample Receipt : 03-10-2013
Date of Test : 03-10-2013 to 23-10-2013
Sample Collected By : Darwesh Kumar
Point of Collection : Suhana (PHED Supply tubewell
form kankrolia Govt.)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	25	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	Less than 0.1	IS:3025 (Part 26) : 1986	0.2	-

Notes :-

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Raj
(Rajesh Maheshwari)
Technical Manager

Kavita
(Kavita Mathur)
Authorized Signatory
(Report No: W/336)



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TEST REPORT

Report No. :	W/NABL/338
Job Identification. :	2544
Date :	23-10-2013
Issued To :	M/s Jindal Saw Limited Village Pur Near Tiranga Hills (Dhedwas mine) Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit :	Mines
Type of Sample :	Potable & Domestic Water
Date of Sample Collection/Monitoring :	30-09-2013
Date of Sample Receipt :	03-10-2013
Date of Test :	03-10-2013 to 23-10-2013
Sample Collected By :	Darwesh Kumar
Point of Collection :	Biliya Village (Govt. supply water from Mejadam parmanand pinyia house)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	25.00
2	Odour	Unobjectionable	IS 3025 (Part 5) : 1983	Unobjectionable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	Less than 0.1	IS 3025 (Part 10) : 1984	5.00	10.00
5	pH	7.77	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	520	IS 3025 (Part 21) : 1983	300.00	600.00
7	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003	0.3	1.00

(Signature)



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
8	Chloride [mg/l]	290.41	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1018	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	88	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	26.84	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	95.8	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate	21.22	IS 3025 (Part 34) : 1988	45.00	100.00
16	Fluoride [mg/l]	1.04	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	Less than 0.01	IS 3025 (Part 41) : 1992	0.01	-
18	Arsenic [mg/l]	Less than 0.01	IS 3025 (Part 37) : 1988	0.05	-
19	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994	0.05	-
20	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	284	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron	1.28	IS 13428 (Annexure H)	1.00	5.00
24	Total coliform [MPN/100ml]	Less than 0.3	IS 5401 (Part 2) : 2002	Absent	-
25	Total Chromium [mg/l]	Less than 0.01	APHA :2005 :3111- B	-	-

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
26	selenium [mg/l]	Less than 0.01	IS 3025 (Part 56) : 2003	0.01	-

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Rajesh
(Rajesh Maheshwari)
Technical Manager

Kavita Mathur
(Kavita Mathur)
Authorized Signatory
(Report No: W/NABL/338)



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TEST REPORT


Report No. : W/338
 Job Identification : 2544
 Date : 23-10-2013
 Issued To : M/s Jindal Saw Limited
 Village Pur Near Tiranga Hills
 (Dhedwas mine)
 Tehsil & District Bhilwara - 311802
 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Potable & Domestic Water
 Date of Sample Collection/Monitoring : 30-09-2013
 Date of Sample Receipt : 03-10-2013
 Date of Test : 03-10-2013 to 23-10-2013
 Sample Collected By : Darwesh Kumar
 Point of Collection : Biliya Village (Govt. supply water from Mejadam parmanand pinyia house)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Desirable Limits as Per IS 10500 : 1991	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 :1991
1	Suspended Solids [mg/l]	10	IS 3025 (part 15) : 1984	-	-
2	Total residual Chlorine [mg/l]	less than 0.1	IS 3025 (Part 26) : 1986	0.2	-

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
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TEST REPORT

Report No : **W/NABL/339 (Revised)**
 Date : **23/10/2013**
 Issued to : **M/s. Jindal Saw Limited**
 : **Village Pur Near Tiranga Hills (Dhedwas mine),**
 : **Tehsil & District -- Bhilwara – 311802**
 : **Rajasthan,**
 Type of Unit : **Mines**
 Type of Sample : **Potable & Domestic Water**
 Date of Sample Collection : **28/09/2013**
 Date of Sample Receipt : **03/10/2013**
 Date of Test : **03/10/2013 to 23/10/2013**
 Sample Collected By : **Mr. Darwesh Kumar**
 Point of Collection : **Pur : Village (Nr. Ganesh Mandir)**
 Test Protocol : **APIHA 21st Edition**

RESULTS

S. No	Parameters	Unit	Observed Value	Standard Desirable limits as per IS:10500, 1991	Standard Permissible limits as per IS:10500, 1991
1.	pH	-	7.91	6.5 - 8.5	-
2.	Color	Hazen	Less than 5	5	25
3.	Odor	-	Unobjectionable	Unobjectionable	-
4.	Taste	-	Agreeable	Agreeable	-
5.	Turbidity	NTU	Less than 0.1	5	10
6.	Total Hardness as CaCO ₃	mg/l	312	300	600
7.	Chlorides as Cl	mg/l	99.83	250	1000
8.	Iron as Fe	mg/l	0.03	0.3	1.0
9.	Total Dissolved Solids	mg/l	685	500	2000
10.	Calcium as Ca	mg/l	60.8	75	200
11.	Magnesium as Mg	mg/l	38.88	30	400
12.	Copper as Cu	mg/l	Less than 0.01	0.05	1.5
13.	Manganese as Mn	mg/l	Less than 0.01	0.1	0.3
14.	Arsenic as As	mg/l	Less than 0.01	0.05	-
15.	Lead as Pb mg/l	mg/l	Less than 0.01	0.05	-



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16	Zinc as Zn	mg/l	Less than 0.01	5	
17	Boron as B	mg/l	1.54	1	5
18	Total Alkalinity as CaCO ₃ mg/l	mg/l	272	200	600
19	Aluminium as Al	mg/l	Less than 0.01	0.05	0.2
20	Sulphate as SO ₄	mg/l	131.83	200	400
21	Nitrate as NO ₃	mg/l	7.71	45	
22	Fluoride as F	mg/l	1.80	1.0	1.5
23	Cadmium as Cd	mg/l	Less than 0.01	0.01	
24	Total Chromium as Cr	mg/l	Less than 0.01		
25	Selenium as Se	mg/l	Less than 0.01	0.01	
26	Total Coli form	MPN	Less than 0.3	Absent	

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Rajesh

Rajesh Maheshwari
Technical Manager

Kavita

Kavita Mathur
Quality Manager
(Report No.: - W/NABL/339)



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ISO 9001:2008

OHASAS 18001:2007

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TEST REPORT

Report No : W/339 (Revised)
 Date : 23/10/2013
 Issued to : M/s. Jindal Saw Limited
 Village Pur Near Tiranga Hills (Dhedwas mine),
 Tehsil & District - Bhilwara - 311802
 Rajasthan.
 Type of Unit : Mines
 Type of Sample : Potable & Domestic Water
 Date of Sample Collection : 28/09/2013
 Date of Sample Receipt : 03/10/2013
 Date of Test : 03/10/2013 to 23/10/2013
 Sample Collected By : Mr. Darwesh Kumar
 Point of Collection : Pur Village (Nr Ganesh Mandir)
 Test Protocol : APHA 21st Edition

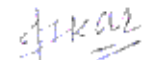
RESULTS

S. No	Parameters	Observed Value	Standard Desirable limits as per IS:10500, 1991	Standard Permissible limits as per IS:10500, 1991
1.	Total Suspended Solids,	9	-	-
2.	Total Residual Chlorine	Less than 0.1	0.2	-

Note:-

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


 Rajesh Maheshwari
 Technical Manager


 Kavita Mathur
 Quality Manager
 (Report No.: - W/339)