



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/49
Job Identification. : 11221
Date : 30-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 10-03-2016
Date of Test : 10-03-2016 to 15-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Dariba Village

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.04	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	246.52	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	24.76	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.92	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	61.20	IS 5182 (Part 23)	100.00

Notes :-

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

Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/49)



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TEST REPORT

Report No. : A/5414
Job Identification : 11399
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 05-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 28-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Ghandi Sagar Park Bhilwara

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	230	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.9	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	291.82	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	30.69	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.05	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	75.38	IS 5182 (Part 23)	100.00

Notes :-

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Puran Maheshwari
Puran Maheshwari
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Rajesh
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TEST REPORT

Report No.: A/5415
Job Identification.: 11400
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 06-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 29-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Kanoli Village Kuldeep Singh Jat

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.6	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	208.18	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	31.5	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.85	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	59.53	IS 5182 (Part 23)	100.00

Notes :-

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Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/5415)



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TEST REPORT

Report No.: A/5416
Job Identification.: 11401
Date: 29-03-2016
Issued To: M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit: Mines
Type of Sample: Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring: 06-03-2016
Date of Sample Receipt: 15-03-2016
Date of Test: 15-03-2016 to 29-03-2016
Sample Collected By: Darwesh Kumar
Point of Collection: Pur Village Shree Pyare Lal Visnoi Balaji Contractor's House in Pur

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	290	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	18.57	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	305.72	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	31.67	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.96	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	82.88	IS 5182 (Part 23)	100.00

Notes :-

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Puran Ma Yogi
Puran Ma Yogi
Senior Analyst

Rajesh Maheshwar
Rajesh Maheshwar
Authorized Signatory
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TEST REPORT

Report No. : A/5408
Job Identification. : 11393
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 04-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 28-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Mines Workshop (Near CIL Camp)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	370	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	17.35	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	378.16	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	30.4	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.74	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	85.52	IS 5182 (Part 23)	100.00

Notes :-

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Puran
Puran Malvogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/5408)



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TEST REPORT

Report No. : A/5413
Job Identification. : 11398
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)

Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)

Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 05-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 28-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Single Mill Area Benefication Plant

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	310	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.35	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	330.65	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	26.29	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.01	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	83.01	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/5413)



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TEST REPORT

Report No. : A/5409
Job Identification. : 11394
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 07-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 28-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Tiranga Pit (Mining Area)

Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	360	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	16.5	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	315.15	IS 5182 (Part 4) : 1999	500
4	Particulate Matter (PM2.5) [microgram/m3]	33.65	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.1	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	79.12	IS 5182 (Part 23)	100.00

Notes :-

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Puran Malhotra
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/5409)



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TEST REPORT

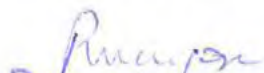
Report No. : A/5410
Job Identification. : 11395
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 07-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 28-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Suras Pit Near Dhaba

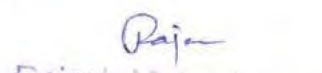
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.47	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	305.44	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.07	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.22	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	70.99	IS 5182 (Part 23)	100.00

Notes :-

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TEST REPORT

Report No. : A/5411
Job Identification. : 11396
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 08-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 28-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Samodi Village Roof of Shri Bheru Lal Jahir

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]	15.6	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	319.68	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	31.54	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.46	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	80.19	IS 5182 (Part 23)	100.00

Notes :-

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TEST REPORT

Report No. : A/5412
Job Identification : 11397
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 06-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 29-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Near Dhulkhera Pit

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	270	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.3	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	289.78	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	36.82	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.26	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	81.8	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
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(Report No: A/5412)



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TEST REPORT

Report No. : A/51
Job Identification. : 12017
Date : 05-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-03-2016
Date of Sample Receipt : 31-03-2016
Date of Test : 31-03-2016 to 05-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Dhulkhera Village Roof of Shri Ratan Lal Mali

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	250	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.25	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	268.59	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	34.82	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.99	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	71.76	IS 5182 (Part 23)	100.00

Notes :-

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Puran
Puran Mali Yoni
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/51)



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TEST REPORT

Report No. : A/52
Job Identification : 12018
Date : 05-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-03-2016
Date of Sample Receipt : 31-03-2016
Date of Test : 31-03-2016 to 05-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Samodi Village Roof of Shri Bheru Lal Jahir

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.64	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	229.93	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	23.08	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.93	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	63.27	IS 5182 (Part 23)	100.00

Notes :-

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Purnan Mal Yogi
Senior Analyst

Rajesh Maneshwari
Authorized Signatory
(Report No: A/52)



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TEST REPORT

Report No. : A/53
Job Identification. : 12019
Date : 05-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 28-03-2016
Date of Sample Receipt : 31-03-2016
Date of Test : 31-03-2016 to 05-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Suras Pit Near Dhaba

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	390	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	19.24	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	313.35	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	33.35	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.75	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	70.67	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mar Yodi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/53)



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TEST REPORT

Report No. : A/54
Job Identification. : 12020
Date : 05-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 28-03-2016
Date of Sample Receipt : 31-03-2016
Date of Test : 31-03-2016 to 05-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Tiranga Pit (Mining Area)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	430	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	18.5	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	296.87	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	37.96	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.01	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	70.44	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Maneshwari
Authorized Signatory
(Report No: A/54)



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TEST REPORT

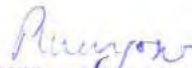
Report No : W/969
Date : 15/03/2016
Issued to : M/s Jindal Saw Limited,
Dhedwas Iron Ore Copper & Associated Minerals Mines
Araji No. 9697/6711 Near Tiranga Hills Village: Pur,
Tehsil & District Bhilwara - 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Water Level Measurement
Date of Measurement : 11/03/2016
Date of Test : 11/03/2016
Water Level Measured By : Mr. Darwesh Kumar

RESULTS

S.No	Location	Water Level in Meters (bmp)
1	Peizometer No.1	18.61
2	Peizometer No.2	16.27
3	Peizometer No.3	9.07
4	Peizometer No.4	10.72
5	Peizometer No.5	4.19
6	Peizometer No.6	18.99
7	Peizometer No.7	8.95
8	Peizometer No.8	9.95

Note: -

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/969)



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TEST REPORT

Report No. : W/NABL/62
 Job Identification. : 11381
 Date : 11-04-2016
 Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
 Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
 District-Bhilwara 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Potable and Domestic Water
 Date of Sample Collection/Monitoring : 12-03-2016
 Date of Sample Receipt : 15-03-2016
 Date of Test : 15-03-2016 to 01-04-2016
 Sample Collected By : Darwesh Kumar
 Point of Collection : Piezometer Well No. 1

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.74	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	420	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.13	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	867.82	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	1847	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	113.6	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	33.05	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	179.16	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	32.90	IS 3025 (Part 34) : 1988

Note:

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RESULTS

S.No	Parameters	Observed Value	E-mail : teamtesthouse@gmail.com Testing Protocol E-mail : director@teamtesthouse.com
16	Fluoride [mg/l]	0.82	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.78	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	300	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.45	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	14	IS 3025 (part 15) : 1984
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
27	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
28	Nickel [mg/l]	0.02	IS 3025 (Part 54) : 2003

Notes :-

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Puran Maheshwari
Puran Maheshwari
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/62)



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TEST REPORT

Report No. : W/NABL/14
Job Identification. : 11280
Date : 13-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No. 2 (Plant Gate No.6)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.12	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	470	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.08	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	303.74	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	957	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	108	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	48.6	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	0.01	IS 3025 (Part 42) : 1992

Note:

Continue to next page...

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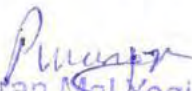
E-mail : director@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	145.83	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	15.30	IS 3025 (Part 34) : 1988
16	Fluoride [mg/l]	0.52	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	360	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.55	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	4	IS 3025 (part 15) : 1984
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
27	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
28	Nickel [mg/l]	0.02	IS 3025 (Part 54) : 2003

Notes :-

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Puran Maheshwari
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/14)



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TEST REPORT

Report No. : W/NABL/15
Job Identification. : 11281
Date : 13-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No.3 (Suras Mine)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.12	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	428	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.08	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	86.78	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	535	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	144	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	16.52	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992

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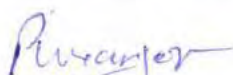
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Ph.: 94602-22039, 94602-22049
E-mail : teamtesthouse@gmail.com
E-mail : director@teamtesthouse.com

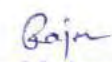
RESULTS

S.No	Parameters	Observed Value	Testing Protocol
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	26.70	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	35.00	IS 3025 (Part 34) : 1988
16	Fluoride [mg/l]	0.53	IS 3025 (Part 60)
17	Cadmium [mg/l]	0.001	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	340	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.72	IS 13428 (Annexure H)
24	Suspended Solids [mg/l]	22	IS 3025 (part 15) : 1984
25	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
26	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
27	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
28	Nickel [mg/l]	BDL (<0.01)	IS 3025 (Part 54) : 2003

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Purnan Maheshwari
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/15)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/16
Job Identification. : 11282
Date : 13-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No.4 (Suras Mine)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	23.8	IS 3025 (Part 10) : 1984
5	pH	7.11	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	400	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.29	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	177.42	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	1200	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	128	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	19.44	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992

Note:

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Website: www.teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
13	Manganese [mg/l]	0.10	IS 3025 (Part 59)
14	Sulphate [mg/l]	145.83	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	BDL (<1.0)	IS 3025 (Part 34) : 1988
16	Fluoride [mg/l]	0.43	IS 3025 (Part 60)
17	Cadmium [mg/l]	0.001	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	404	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.75	IS 13428 (Annexure H)
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002
25	Suspended Solids [mg/l]	16	IS 3025 (part 15) : 1984
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
29	Nickel [mg/l]	0.01	IS 3025 (Part 54) : 2003

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/16)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/63
Job Identification. : 11382
Date : 11-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 12-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No.5

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.09	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	420	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.13	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	433.91	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	1886	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	80	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	53.46	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992
13	Manganese [mg/l]	0.24	IS 3025 (Part 59)
14	Sulphate [mg/l]	398.5	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	39.28	IS 3025 (Part 34) : 1988

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RESULTS

S.No	Parameters	Observed Value	E-mail : teamtesthouse@gmail.com Testing Protocol : director@teamtesthouse.com
16	Fluoride [mg/l]	0.84	IS 3025 (Part 60)
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	500	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	0.10	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.88	IS 13428 (Annexure H)
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002
25	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
29	Nickel [mg/l]	0.02	IS 3025 (Part 54) : 2003

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Rizwan
Rizwan Mat Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
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TEST REPORT

Report No. : W/NABL/17
Job Identification. : 11283
Date : 13-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No.6 (Dhulkhera Mine)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	6.83	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	580	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.05	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	809.96	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	1967	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	164	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	41.31	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	0.02	IS 3025 (Part 42) : 1992

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)
14	Sulphate [mg/l]	69.17	IS 3025 (Part 24) : 1986
15	Nitrate [mg/l]	37.25	IS 3025 (Part 34) : 1988
16	Fluoride [mg/l]	0.30	IS 3025 (Part 60)
17	Cadmium [mg/l]	0.002	IS 3025 (Part 41) : 1992
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
20	Zinc [mg/l]	0.09	IS 3025 (Part 49) : 1994
21	Alkalinity - T [mg/l]	520	IS 3025 (Part 23) : 1986
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
23	Boron [mg/l]	0.92	IS 13428 (Annexure H)
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002
25	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
29	Nickel [mg/l]	0.03	IS 3025 (Part 54) : 2003

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Puran Maheshwari
Puran Maheshwari
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/17)



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TEST REPORT

Report No. : W/18
Job Identification. : 11284
Date : 13-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No. 7

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984
5	pH	7.53	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	348	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	0.28	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	156.21	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	830	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	81.6	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	34.99	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992

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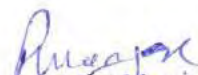
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Ph.: 94602-22039, 94602-22049
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E-mail : director@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
13	Sulphate [mg/l]	43.30	IS 3025 (Part 24) : 1986
14	Nitrate [mg/l]	BDL (<1.0)	IS 3025 (Part 34) : 1988
15	Fluoride [mg/l]	1.49	IS 3025 (Part 60)
16	Cadmium [mg/l]	0.001	IS 3025 (Part 41) : 1992
17	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
18	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994
19	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994
20	Alkalinity - T [mg/l]	368	IS 3025 (Part 23) : 1986
21	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
22	Boron [mg/l]	0.81	IS 13428 (Annexure H)
23	Suspended Solids [mg/l]	35	IS 3025 (part 15) : 1984
24	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
25	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
26	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
27	Nickel [mg/l]	0.01	IS 3025 (Part 54) : 2003

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Purnan Mat Yogi
Senior Analyst


Rajesh Kumar
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(Report No: W/18)



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TEST REPORT

Report No. : W/NABL/64
Job Identification. : 11383
Date : 11-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 12-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Piezometer Well No. 8

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983
2	Odour	Agreeable	IS 3025 (Part 5) : 1983
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984
4	Turbidity [NTU]	53.6	IS 3025 (Part 10) : 1984
5	pH	7.36	IS 3025 (Part 11) : 1984
6	Hardness (total) [mg/l]	284	IS 3025 (Part 21) : 1983
7	Iron [mg/l]	2.38	IS 3025 (Part 53) : 2003
8	Chloride [mg/l]	40.5	IS 3025 (Part 32) : 1988
9	Total Dissolved Solids [mg/l]	569	IS 3025 (Part 16) : 1984
10	Calcium [mg/l]	76.8	IS 3025 (Part 40) : 1991
11	Magnesium [mg/l]	22.36	IS 3025 (Part 46) : 1994
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992
13	Sulphate [mg/l]	61.70	IS 3025 (Part 24) : 1986
14	Nitrate [mg/l]	6.01	IS 3025 (Part 34) : 1988
15	Fluoride [mg/l]	0.76	IS 3025 (Part 60)

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RESULTS

S.No	Parameters	Observed Value	E-mail : teamtesthouse@gmail.com Testing Protocol E-mail : director@teamtesthouse.com
16	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992
17	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988
18	Lead [mg/l]	0.02	IS 3025 (Part 47) : 1994
19	Zinc [mg/l]	BDL (<0.01)	IS 3025 (Part 49) : 1994
20	Alkalinity - T [mg/l]	324	IS 3025 (Part 23) : 1986
21	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003
22	Boron [mg/l]	0.81	IS 13428 (Annexure H)
23	Suspended Solids [mg/l]	59	IS 3025 (part 15) : 1984
24	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B
25	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986
26	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003
27	Nickel [mg/l]	0.02	IS 3025 (Part 54) : 2003

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Puran Maheshwari
Puran Maheshwari
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
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TEAM TEST HOUSE

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E-mail : director@teamtesthouse.com

TEST REPORT

Report No : WW/NABL/30
Job Identification : 11380
Date : 12/04/2016
Issued to : M/s. Jindal Saw Limited
Dhedwas Iron Ore Copper & Associated Minerals
Mines, Araj no. 9697/6711 Near Tiranga Hills
Village – Pur, Tehsil & District – Bhilwara – 311802
Type of Unit : Mines
Type of Sample : Waste Water
Collected by : Mr. Darwesh Kumar
Date of Sample Collection : 10/03/2016
Date of Received : 12/03/2016
Date of Test : 12/03/2016 to 30/04/2016
Point of Collection : Water Reservoir

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	25
2.	pH	-	8.06
3.	Total Suspended Solids	mg/l	37
4.	Oil & Grease mg/l	mg/l	5
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	10.4
6.	Chemical Oxygen Demand	mg/l	55.6
7.	Dissolved Oxygen	mg/l	4.5
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	3.2
9.	Total Kjeldahal Nitrogen as N	mg/l	10.13
10.	Free Ammonia as NH ₃	mg/l	0.50
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	7.44
12.	Total Residual Chlorine	mg/l	BDL (<0.1)
13.	Fluoride	mg/l	1.66
14.	Total Dissolved Solid (TDS)	mg/l	3578
15.	Total Phosphate as PO ₄ -P	mg/l	3.71
16.	Sulphide as S	mg/l	1.28
17.	Phenolic Compound	mg/l	0.10
18.	Arsenic as As	mg/l	BDL (<0.01)
19.	Mercury as Hg	mg/l	BDL (<0.001)
20.	Lead as Pb	mg/l	0.23
21.	Cadmium as Cd	mg/l	BDL (< 0.01)
22.	Copper as Cu	mg/l	0.15
23.	Zinc as Zn	mg/l	1.73
24.	Selenium as Se	mg/l	BDL (<0.01)
25.	Nickel as Ni	mg/l	0.05
26.	Cynide as CN	mg/l	BDL (<0.01)
27.	Manganese as Mn	mg/l	0.15
28.	Iron as Fe	mg/l	0.29

Note: -

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No. WW/NABL/30)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No	: WW/NABL/32
Job Identification	: 11392
Date	: 12/04/2016
Issued to	: M/s. Jindal Saw Limited
	Dhedwas Iron Ore Copper & Associated Minerals
	Mines, Arajai no. 9697/6711 Near Tiranga Hills
	Village – Pur, Tehsil & District – Bhilwara – 311802
Type of Unit	: Mines
Type of Sample	: Waste Water
Collected by	: Mr. Darwesh Kumar
Date of Sample Collection	: 10/03/2016
Date of Received	: 12/03/2016
Date of Test	: 12/03/2016 to 30/04/2016
Point of Collection	: Tailing Filter Press Recycling

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	15
2.	pH	-	7.88
3.	Total Suspended Solids	mg/l	36
4.	Oil & Grease mg/l	mg/l	4
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	6.4
6.	Chemical Oxygen Demand	mg/l	28.2
7.	Dissolved Oxygen	mg/l	5.2
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	5.3
9.	Total Kjeldahal Nitrogen as N	mg/l	8.96
10.	Free Ammonia as NH ₃	mg/l	0.61
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	5.77
12.	Total Residual Chlorine	mg/l	BDL (<0.1)
13.	Fluoride	mg/l	1.22
14.	Total Dissolved Solid (TDS)	mg/l	2227
15.	Total Phosphate as PO ₄ -P	mg/l	3.27
16.	Sulphide as S	mg/l	0.38
17.	Phenolic Compound	mg/l	0.10
18.	Arsenic as As	mg/l	BDL(<0.01)
19.	Mercury as Hg	mg/l	BDL(<0.001)
20.	Lead as Pb	mg/l	0.16
21.	Cadmium as Cd	mg/l	BDL (< 0.01)
22.	Copper as Cu	mg/l	0.16
23.	Zinc as Zn	mg/l	0.87
24.	Selenium as Se	mg/l	BDL(<0.01)
25.	Nickel as Ni	mg/l	0.04
26.	Cynide as CN	mg/l	BDL(<0.01)
27.	Manganese as Mn	mg/l	0.08
28.	Iron as Fe	mg/l	0.17

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: WW/NABL/32)



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TEST REPORT

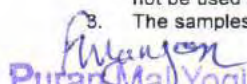
Report No : WW/NABL/31
Job Identification : 11385
Date : 12/04/2016
Issued to : M/s. Jindal Saw Limited
Dhedwas Iron Ore Copper & Associated Minerals
Mines, Araji no. 9697/6711 Near Tiranga Hills
Village – Pur, Tehsil & District – Bhilwara – 311802
Type of Unit : Mines
Type of Sample : Waste Water
Collected by : Mr. Darwesh Kumar
Date of Sample Collection : 10/03/2016
Date of Received : 12/03/2016
Date of Test : 12/03/2016 to 30/04/2016
Point of Collection : Tailing Pond Recycling Water

RESULTS

S. No	Parameters	Units	Observed Value
1.	Colour	Hazen	20
2.	pH	-	7.56
3.	Total Suspended Solids	mg/l	45
4.	Oil & Grease mg/l	mg/l	6
5.	Biochemical Oxygen Demand (3 days at 27°C)	mg/l	8.33
6.	Chemical Oxygen Demand	mg/l	44.8
7.	Dissolved Oxygen	mg/l	4.6
8.	Ammonical Nitrogen as NH ₄ -N	mg/l	3.08
9.	Total Kjeldahal Nitrogen as N	mg/l	8.76
10.	Free Ammonia as NH ₃	mg/l	0.54
11.	Nitrate Nitrogen as NO ₃ -N	mg/l	8.57
12.	Total Residual Chlorine	mg/l	BDL (<0.1)
13.	Fluoride	mg/l	1.72
14.	Total Dissolved Solid (TDS)	mg/l	2818
15.	Total Phosphate as PO ₄ -P	mg/l	3.41
16.	Sulphide as S	mg/l	0.87
17.	Phenolic Compound	mg/l	0.11
18.	Arsenic as As	mg/l	BDL(<0.01)
19.	Mercury as Hg	mg/l	BDL(<0.001)
20.	Lead as Pb	mg/l	0.18
21.	Cadmium as Cd	mg/l	BDL (< 0.01)
22.	Copper as Cu	mg/l	0.12
23.	Zinc as Zn	mg/l	1.44
24.	Selenium as Se	mg/l	BDL(<0.01)
25.	Nickel as Ni	mg/l	0.07
26.	Cynide as CN	mg/l	BDL(<0.01)
27.	Manganese as Mn	mg/l	0.12
28.	Iron as Fe	mg/l	0.21

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
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TEST REPORT

Report No. : W/NABL/09
Job Identification. : 11209
Date : 01-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 10-03-2016
Date of Test : 10-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Dhulkhera (Handpump Rajeev Gandhi Pathsala Front of Dhulkhera Mine Pit)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	6.96	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	600	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.20	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	167.78	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1072	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	168	IS 3025 (Part 40) : 1991	75.00	200.00

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
11	Magnesium [mg/l]	43.74	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	312.50	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	32.42	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.46	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.09	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	380	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	0.02	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.97	IS 13428 (Annexure H)	0.5	1.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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Rajen

Senior Analyst

Rajen

Authorized Signatory
(Report No: W/NABL/09)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/67
Job Identification : 11289
Date : 11-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No. 9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara District-Bhilwara 311802 (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Samodi Village (Bheel Basti Near Govt. Handpump front Ratan Lal Yadav Plot)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.26	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	490	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.27	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	75.21	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	698	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	26.73	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	0.13	IS 3025 (Part 59)	0.03	0.1
14	Sulphate [mg/l]	115.00	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	21.25	IS 3025 (Part 34) : 1988	45.00	-

Note:

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E-mail : rajuldirector@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Regulatory Limit (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.36	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	0.001	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.80	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	320	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	0.20	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.78	IS 13428 (Annexure H)	0.5	1.0
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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Rajesh Maheshwari
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/67)



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TEST REPORT

Report No. : W/NABL/12
Job Identification. : 11212
Date : 01-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 10-03-2016
Date of Test : 10-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Pur Village (Near Balaji Mandir)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.46	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	600	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	419.44	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1558	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]	48.6	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
13	Manganese [mg/l]	0.02	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	370.83	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	44.60	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.53	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.05	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	490	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	0.06	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.45	IS 13428 (Annexure H)	0.50	1.00
24	Total coliform [MPN/100ml]	Not detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	3	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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Puran
Puran Moh Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/12)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/70
Job Identification. : 11292
Date : 11-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Dariba Village (Govt. Tubewell Water-Aruvedic Dispansary)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.25	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	570	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.23	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	156.21	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	906	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	168	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	36.45	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	0.01	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	0.12	IS 3025 (Part 59)	-	-
14	Sulphate [mg/l]	230.02	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	BDL (<1.0)	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Signature



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.25	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	0.003	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.01	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	380	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.88	IS 13428 (Annexure H)	0.5	1.0
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	2	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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Puran
Puran Mar Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/70)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/13
Job Identification. : 11213
Date : 01-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 10-03-2016
Date of Test : 10-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Gandhi sagar village (Tubewell water of Gandhi park)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.39	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	520	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	BDL (<0.01)	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	347.13	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1361	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	72	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	82.62	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	0.03	IS 3025 (Part 42) : 1992	0.05	1.50

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	138.30	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	4.93	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.56	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.29	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	600	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	0.06	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.81	IS 13428 (Annexure H)	0.50	1.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	1	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.001)	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/13)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/11
Job Identification. : 11211
Date : 01-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 10-03-2016
Date of Test : 10-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Kanoli Village (Govt.Handpump water of Govt. Middle school)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	8.06	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	204	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.06	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	25.07	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	294	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	38.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	26.24	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50

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Rajee



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	E-mail : teamtesthouse@gmail.com Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	64.17	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	6.80	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.43	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	192	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL (<0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.67	IS 13428 (Annexure H)	0.50	1.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	8	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

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Puranjori
Senior Analyst

Bajwa
Authorized Signatory
(Report No: W/NABL/11)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/10
Job Identification. : 11210
Date : 01-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 10-03-2016
Date of Test : 10-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Suras Village (Govt. Handpump Near Palki Rani Ka Mandir)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983	5.00	15.00
	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	7.15	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	600	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.01	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	200.56	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]	200	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	24.3	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
13	Manganese [mg/l]	BDL (<0.01)	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	83.33	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	44.20	IS 3025 (Part 34) : 1988	45.00	-
16	Fluoride [mg/l]	0.47	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	1.77	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	300	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	0.03	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.65	IS 13428 (Annexure H)	0.50	1.00
24	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	3	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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Rajen

Senior Analyst

Rajen

Authorized Signatory
(Report No: W/10)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/61
Job Identification. : 11379
Date : 11-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 11-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Meja Dam

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	21.2	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	6.93	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	138	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.28	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	68.46	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	304	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	40	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	9.23	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	BDL (<0.01)	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	0.03	IS 3025 (Part 59)	0.1	0.3
14	Sulphate [mg/l]	40.10	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	8.85	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Pajun



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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.11	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	BDL (<0.001)	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	BDL (< 0.01)	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	BDL (< 0.01)	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	90	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	BDL (< 0.01)	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.32	IS 13428 (Annexure H)	0.5	1.0
24	Total coliform [MPN/100ml]	45.71	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	30	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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

Purani
Purani Maya Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/61)



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



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : W/NABL/66
Job Identification. : 11288
Date : 11-04-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Potable and Domestic Water
Date of Sample Collection/Monitoring : 10-03-2016
Date of Sample Receipt : 12-03-2016
Date of Test : 12-03-2016 to 01-04-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Somodi Pond

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 1983	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7 & 8) : 1984	Agreeable	-
4	Turbidity [NTU]	62.3	IS 3025 (Part 10) : 1984	1.00	5.00
5	pH	6.86	IS 3025 (Part 11) : 1984	6.50 - 8.50	-
6	Hardness (total) [mg/l]	272	IS 3025 (Part 21) : 1983	200.00	600.00
7	Iron [mg/l]	0.29	IS 3025 (Part 53) : 2003	0.3	-
8	Chloride [mg/l]	67.5	IS 3025 (Part 32) : 1988	250.00	1000.00
9	Total Dissolved Solids [mg/l]	415	IS 3025 (Part 16) : 1984	500.00	2000.00
10	Calcium [mg/l]	54.4	IS 3025 (Part 40) : 1991	75.00	200.00
11	Magnesium [mg/l]	33.05	IS 3025 (Part 46) : 1994	30.00	100.00
12	Copper [mg/l]	0.02	IS 3025 (Part 42) : 1992	0.05	1.50
13	Manganese [mg/l]	0.28	IS 3025 (Part 59)	0.03	0.1
14	Sulphate [mg/l]	32.50	IS 3025 (Part 24) : 1986	200.00	400.00
15	Nitrate [mg/l]	7.71	IS 3025 (Part 34) : 1988	45.00	-

Note:

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Signature



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

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
16	Fluoride [mg/l]	0.23	IS 3025 (Part 60)	1.00	1.50
17	Cadmium [mg/l]	0.003	IS 3025 (Part 41) : 1992	0.003	-
18	Arsenic [mg/l]	BDL (<0.001)	IS 3025 (Part 37) : 1988	0.01	0.05
19	Lead [mg/l]	0.01	IS 3025 (Part 47) : 1994	0.01	-
20	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994	5.00	15.00
21	Alkalinity - T [mg/l]	128	IS 3025 (Part 23) : 1986	200.00	600.00
22	Aluminum [mg/l]	0.20	IS 3025 (Part 55) : 2003	0.03	0.2
23	Boron [mg/l]	0.82	IS 13428 (Annexure H)	0.5	1.0
24	Total coliform [MPN/100ml]	19.84	IS 5401 (Part 2) : 2002	Shall not be detectable in 100 ml sample	-
25	Suspended Solids [mg/l]	318	IS 3025 (part 15) : 1984	-	-
26	Total Chromium [mg/l]	BDL (<0.01)	APHA :2012 :3111- B	0.05	-
27	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986	0.2	1.0
28	selenium [mg/l]	BDL (<0.01)	IS 3025 (Part 56) : 2003	0.01	-

Notes :-

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

Puran
Puran Mali Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: W/NABL/66)



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Issued to

TEST REPORT

A/5417

29/03/2016

M/s. Jindal Saw Limited

Dhedwas Iron Ore Copper & Associated Minerals

Mines, Arajji no. 9697/6711 Near Tiranga Hills

Village - Pur Tehsil & District - Bhilwara - 311802

(Rajasthan)

Mines

Lab.: G1-584, Sitapura Industrial Area

Tonk Road, JAIPUR-302022 Raj.

Ph.: 94602-22039, 94602-22049

E-mail : teamtesthouse@gmail.com

E-mail : director@teamtesthouse.com

Type of Unit

Date of Monitoring

Date of Sample Receipt

Date of Test

Sample Collected by

Type of Monitoring

06/03/2016 to 08/03/2016

15/03/2016

15/03/2016

Darwesh Kumar

Ambient Noise Monitoring

RESULTS

Sr. No.	Point Of Monitoring	Type of Area	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Pur Village	Rural Area	52.4	41.8
2.	Samodi Village (Near Balaji Temple)	Rural Area	50.2	41.6
3.	Suras Village	Rural Area	52.9	41.3
4.	Gandhi Sagar park, Bhilwara	Rural Area	53.2	42.5
5.	Kanoli Villa	Rural Area	51.2	40.6
6.	Dhulkhera Pit	Rural Area	52.4	41.7
7.	Dariba Village	Rural Area	52.4	40.8

Standard Limits [in dB (A)] Leq

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

Note: -

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

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Puran Mal Yogi
Senior Analyst

Rajesh
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(Report No.: - A/5417)



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TEST REPORT

Report No

A/5418

Date

29/03/2016

Issued to

M/s. Jindal Saw Limited
Dhedwas Iron Ore Copper & Associated Minerals
Mines , Araji no. 9697/6711 Near Tiranga Hills
Village - Pur Tehsil & District – Bhilwara – 311802
(Rajasthan)

Type of Unit

Mines

Date of Monitoring

08/03/2016 to 10/03/2016

Date of Sample Receipt

15/03/2016

Date of Test

15/03/2016

Sample Collected by

Darwesh Kumar

Type of Monitoring

Ambient Noise Monitoring

RESULTS

Sr. No.	Point Of Monitoring	Type of Area	Observed value [Leq dB (A)] Day Time	Observed value [Leq dB (A)] Night Time
1.	Nr. Raw Material Loading Point (Tiranga Pit)	Industrial Area	64.8	52.7
2.	Nr. Raw material loading Point (Dhulkhera Pit)	Industrial Area	67.1	55.3
3.	Nr. Raw material loading Point (Suras Pit)		70.2	61.4
4.	Nr. Raw Material Storage Yard (Tiranga Pit)	Industrial Area	69.1	56.4
5.	Nr. CCR BFN Building	Industrial Area	64.8	52.7
6.	Nr. Central Workshop Area	Industrial Area	70.5	61.4
7.	Nr. Crusher (CCR Building)	Industrial Area	73.3	62.5
8.	Filter Fresh Building	Industrial Area	68.6	56.7

Standard Limits [in dB (A)] Leq:

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

Note: -

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TEST REPORT

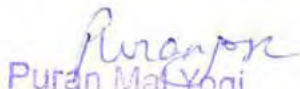
Report No. : A/5419
Job Identification. : 11417
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Fugitive Emission Quality Monitoring
Date of Sample Collection/Monitoring : 08-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 29-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Haul Road - Mining Area

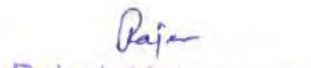
RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m3]	389.67	IS 5182 (Part 4) : 1999

Notes :-

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Puran Maheshwari
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Rajesh Maheshwari
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TEST REPORT

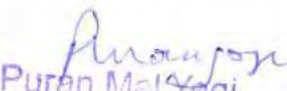
Report No. : A/5420
Job Identification. : 11418
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Fugitive Emission Quality Monitoring
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 29-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Near Raw Material Storage Yard

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m ³]	367.8	IS 5182 (Part 4) : 1999

Notes :-

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Purnan Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/5420)



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TEST REPORT

Report No.: A/5421
Job Identification.: 11419
Date : 29-03-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Fugitive Emission Quality Monitoring
Date of Sample Collection/Monitoring : 09-03-2016
Date of Sample Receipt : 15-03-2016
Date of Test : 15-03-2016 to 29-03-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Central Store Crusher Line -3

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Suspended Particulate Matter [microgram/m ³]	365.56	IS 5182 (Part 4) : 1999

Notes :-

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Senior Analyst

Rajesh Mohanwari
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