



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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RSPCB

ISO 9001:2008

OHSAS 18001:2007

JDA/UDH

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Web Report No. teamtesthouse.com

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TEST REPORT

Report No. : A/2705
Date : 11/03/2014
Issued to : 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 (Raj.)
Type of Unit : Mines
Date of Monitoring : 24/01/2014 to 31/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 08/02/2014
Sample Collected by : Mr. Kishan Kumar Sharma
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. | Pur Village (Ram Lal House) | Rural Area | 52.6 | 42.7 |
| 2. | Samodi Village (Near Balaji Temple) | Rural Area | 53.8 | 42.4 |
| 3. | Biliya Village (Kishan Lal Sharma House) | Rural Area | 52.8 | 40.2 |
| 4. | Suwana Village (Gopi Lal Ji House) | Rural Area | 53.9 | 42.9 |
| 5. | Gundali Village (Kanti Lal House) | Rural Area | 51.3 | 40.5 |
| 6. | Kanoli Village (Nr. Kuldeep Singh Ranawat on Roof) | Rural Area | 53.2 | 43.4 |
| 7. | Gandhi Sagar Village (Gandhi park) | Rural Area | 52.4 | 42.3 |
| 8. | Mandal Village (Eases mod. House) | Rural Area | 54.5 | 43.6 |
| 9. | Bhadu Village (Shashikant House) | Rural Area | 54.2 | 43.4 |
| 10. | Dhulkhera Village (Prabhu Lal Carpenter House) | Rural Area | 51.8 | 39.5 |
| 11. | Suras Village (Ratan Lal House) | Rural Area | 51.7 | 42.8 |
| 12. | Dariba Village (Hariram House) | Rural Area | 52.8 | 41.9 |

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.

Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No.: - A/2705)



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TEST REPORT

Report No : A/2703
Date : 11/03/2014
Job Identification : 4402
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 27/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 10/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Gandhi Sagar Village**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines

RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 61.07 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 30.63 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.63 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 10.07 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.21 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 196.74 | - |

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Rajesh Maheshwari
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Kavita Mathur
Quality Manager
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TEST REPORT


Report No : A/2702
Date : 11/03/2014
Job Identification : 4401
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 27/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 10/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Suwana Village (Gopi Lal Ji House)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 61.63 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 22.48 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.39 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 12.03 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.19 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 204.62 | - |

Note: -

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TEST REPORT


Report No : A/2701
Date : 11/03/2014
Job Identification : 4400
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 25/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 10/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Biliya Village (Kishan Lal Sharma House)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 60.24 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 27.01 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.9 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 11.49 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.16 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 228.14 | - |

Note :-

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TEST REPORT


Report No : A/2700
Date : 11/03/2014
Job Identification : 4399
Issued to : 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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 26/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : Ambient Air Quality Monitoring
Point of Collection : Kanoli Village (Kuldeep Singh House on Roof)
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 66.59 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 34.66 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.73 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 10.88 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.18 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 185.9 | |

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TEST REPORT


Report No : A/2699
Date : 11/03/2014
Job Identification : 4398
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 26/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Pur Village (Ram Lal House)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) $\mu\text{g}/\text{m}^3$ | 66.89 | 100 |
| 2. | Particulate Matter (PM _{2.5}) $\mu\text{g}/\text{m}^3$ | 32.97 | 60 |
| 3. | Sulphur Dioxide as SO ₂ ($\mu\text{g}/\text{m}^3$) | 6.15 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ ($\mu\text{g}/\text{m}^3$) | 10.07 | 80 |
| 5. | Carbon Monoxide as CO (mg/m^3) | 0.19 | 04 |
| 6. | Suspended Particulate Matter (SPM) $\mu\text{g}/\text{m}^3$ | 223.67 | - |

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TEST REPORT


Report No : A/2698
Date : 11/03/2014
Job Identification : 4397
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 28/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 10/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : Ambient Air Quality Monitoring
Point of Collection : Dhulkhera Village (Prabhu Lal Carpenter House)
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 74.48 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 28.79 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.47 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 10.14 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.18 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 208.48 | - |

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TEST REPORT

Report No : A/2697
Date : 11/03/2014
Job Identification : 4396
Issued to : 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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 24/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Mandal Village (Eased Mod. House)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate Sampler APM 550
Testing Protocol : As per CPCB Guidelines

RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 67.09 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 34.82 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.2 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 14.04 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.17 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 203.71 | |

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TEST REPORT


Report No : A/2696
Date : 11/03/2014
Job Identification : 4391
Issued to : 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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 24/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : Ambient Air Quality Monitoring
Point of Collection : Bhadu Village (Shashikant House)
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 77.52 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 30.49 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 5.14 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 10.75 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.23 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 202.62 | |

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TEST REPORT


Report No : A/2704
Date : 11/03/2014
Job Identification : 4403
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 24/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 10/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Samodi Village (Balaji Temple on Roof)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 61.1 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 27.36 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 7.46 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 13.48 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.18 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 210.1 | |

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Rajesh Maheshwari
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Quality Manager
(Report No: A /2704)



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Website : www.teamtesthouse.com

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E-mail : teamtest@rediffmail.com

TEST REPORT


Report No : A/2693
Date : 11/03/2014
Job Identification : 4388
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 28/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Suras Village (Ratan Lal House-on Roof)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines

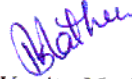
RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 67.44 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 27.34 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.68 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 13.18 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.22 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 172.42 | - |

Note: -

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Rajesh Maheshwari
Technical Manager


Kavita Mathur
Quality Manager
(Report No: A/2693)



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TEST REPORT


Report No : A/2694
Date : 11/03/2014
Job Identification : 4389
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 23/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : Ambient Air Quality Monitoring
Point of Collection : Dariba Village (Hariram House)
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines


RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 72.83 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 28.38 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.57 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 12.36 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.21 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 198.52 | |

Note: -

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TEST REPORT


Report No : A/2695
Date : 11/03/2014
Job Identification : 4390
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 (Raj.)
Type of Unit : Mines
Collected/Monitored by : Mr. Kishan Kumar Sharma
Date of Sample Collection : 23/01/2014
Date of Sample Receipt : 06/02/2014
Date of Test : 06/02/2014 to 05/03/2014
Duration of Sampling : 24 Hours
Type of Monitoring/Sampling : **Ambient Air Quality Monitoring**
Point of Collection : **Gundali Village (Kanti Lal House)**
Sampling Instrument : Respirable Dust Sampler APM 460 BL & Fine Particulate
Sampler APM 550
Testing Protocol : As per CPCB Guidelines

RESULTS

| S. No | Parameters | Observed Value | Limits as per National Ambient Air Quality Standards |
|-------|--|----------------|--|
| 1. | Particulate Matter (PM ₁₀) µg/m ³ | 60.68 | 100 |
| 2. | Particulate Matter (PM _{2.5}) µg/m ³ | 37.12 | 60 |
| 3. | Sulphur Dioxide as SO ₂ (µg/m ³) | 6.45 | 80 |
| 4. | Oxides of Nitrogen as NO ₂ (µg/m ³) | 13.73 | 80 |
| 5. | Carbon Monoxide as CO (mg/m ³) | 0.19 | 04 |
| 6. | Suspended Particulate Matter (SPM) µg/m ³ | 182.47 | - |

Note: -

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TEST REPORT

Report No : **W/NABL/600**
 Date : 26/03/2014
 Job Identification : 4384
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Arajji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Biliya Village (Govt. Handpump Pur Road Opp.
 Balaji Temple)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.23 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 4.07 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 520 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 245.03 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.08 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 1015 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 80 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 77.76 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | 0.03 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.09 | 0.5 | 1 |

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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 18. | Total Alkalinity as CaCO ₃ , mg/l | mg/l | 272 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 97.82 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 40.5 | 45 | - |
| 22. | Fluoride as F | mg/l | 1.16 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.03 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 3 | - | - |

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4. *Parameter not covered under NABL


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TEST REPORT

Report No : **W/NABL/593**
 Date : 26/03/2014
 Job Identification : 4377
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Dariba Village (Govt. Tubewell Water-Aruvedic
 Dispansary)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 8.16 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | Less than 0.1 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 120 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 170.61 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.03 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 955 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 30.4 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 10.69 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | Less than 0.01 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.35 | 0.5 | 1 |

Blatha



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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 332 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 196.53 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 8.06 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.49 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.02 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 7 | - | - |

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4. *Parameter not covered under NABL

Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No.: - W /NABL/593)



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TEST REPORT

Report No : W/NABL/592
 Date : 26/03/2014
 Job Identification : 4376
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : Samodi Village (Bheel Basti Near Govt. Handpump
 front Ratan Lal Yadav Plot)
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.86 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 0.94 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 428 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 0.12 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.12 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 747 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 129.6 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 25.27 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | 0.24 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.27 | 0.5 | 1 |

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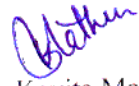
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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 236 | 200 | |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 226.86 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 25.13 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.82 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.03 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 1 | - | - |

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Rajesh Maheshwari
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TEST REPORT

Report No : **W/NABL/603**
 Date : 26/03/2014
 Job Identification : 4387
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Arajai No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Gandhi Sagar Village Tubewell Water of Gandhi Park**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|--|-------|----------------|---|--|
| 1. | pH | - | 7.35 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | Less than 0.1 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 600 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 426.53 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.05 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 1584 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 80 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 97.2 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | 0.08 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.85 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 592 | 200 | 600 |

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TEAM TEST HOUSE

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



T-1736, T-2276

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

NABL RSPCB ISO 9001:2008 OHSAS 18001:2007 JDA/UDH

Office : E-65, Chitranganj Marg,
C-Scheme, Jaipur-302001
Phone : 0141-2173533, 2771865
Website : www.teamtesthouse.com

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

| | | mg/l | Less than 0.01 | 0.03 | 0.2 |
|-----|-----------------------------|-----------|-----------------|--|-----|
| 20. | Sulphate as SO ₄ | mg/l | 195.8 | 200 | 100 |
| 21. | Nitrate as NO ₃ | mg/l | 20.53 | 45 | - |
| 22. | Fluoride as F | mg/l | 1.03 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | Less than 0.01 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 5 | - | - |

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
4. *Parameter not covered under NABL

Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No.: - W/NABL/603)



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TEST REPORT

Report No : W/NABL/602
 Date : 26/03/2014
 Job Identification : 4386
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araj No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Pur Village (Near Ganesh Mandir)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|--|-------|----------------|---|--|
| 1. | pH | - | 6.91 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | Less than 0.1 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 410 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 101.64 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.09 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 602 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 68 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 58.32 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | 0.08 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.5 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 340 | 200 | 600 |

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| | | | | | |
|-----|-----------------------------|-----------|-----------------|--|-----|
| 19. | Aluminium as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 19.64 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 25.89 | 45 | - |
| 22. | Fluoride as F | mg/l | 1.49 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.05 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 15 | - | - |

Note: -

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No.: - W /NABL/602)



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TEST REPORT

Report No : **W/NABL/601**
 Date : 26/03/2014
 Job Identification : 4385
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Arajji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Bhadu Village (Govt. Handpump Near on Gangapur
 Road Near Ramji Tali Home)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.19 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 3.96 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 1780 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 2994.82 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.05 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 6972 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 688 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 14.58 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | 0.05 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.44 | 0.5 | 1 |

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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 68 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 198.6 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 7.67 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.24 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.02 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 9 | - | - |

Note: -

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4. *Parameter not covered under NABL

Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No.: - W /NABL/601)



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TEST REPORT

Report No : W/NABL/598
 Date : 26/03/2014
 Job Identification : 4382
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Suwana Village (Govt. Handpump Devnarayan ka Mandir Kota Road)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.00 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | Less than 0.1 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 420 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 181.5 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.08 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 1012 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 72 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 58.32 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |

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| | | | | | |
|-----|---------------------------------------|-----------|-----------------|--|-----|
| 16. | Zinc as Zn | mg/l | 0.05 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.68 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ | mg/l | 428 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 89.73 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 137.24 | 45 | - |
| 22. | Fluoride as F | mg/l | 1.93 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.04 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | |
| 28. | Suspended Solids* | mg/l | 7 | - | - |

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4. *Parameter not covered under NABL

Rajesh
Rajesh Maheshwari
Technical Manager

Mathur
Kavita Mathur
Quality Manager
(Report No.: - W /NABL/598)



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TEST REPORT

| | |
|---------------------------|--|
| Report No | : W/NABL/599 |
| Date | : 26/03/2014 |
| Job Identification | : 4383 |
| Issued to | : M/s. Jindal Saw Limited Dhedwas Iron ore copper & Associated Mineral Mines Araji No. 9697/6711 Village Pur, Near Tiranga Hills, Tehsil & District – Bhilwara – 311802 Rajasthan. |
| Type of Unit | : Mines |
| Date of Sample Collection | : 31/01/2014 |
| Date of Sample Receipt | : 06/02/2014 |
| Date of Test | : 06/02/2014 to 05/03/2014 |
| Sample Collected By | : Mr. Kisan Kumar Sharma |
| Point of Collection | : Mandal Village (Govt. Handpump Primary School Ward No. 17) |
| Test Protocol | : APHA 21 st Edition |

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 6.72 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 1.75 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 1420 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 453.76 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.05 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 2058 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 416 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 92.34 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |
| 16. | Zinc as Zn | mg/l | 0.06 | 5 | 15 |

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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 17. | Boron as B | mg/l | 0.68 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 440 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 97.82 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 40.96 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.56 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.05 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 12 | - | - |

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Rajesh Maheshwari
Technical Manager


Kavita Mathur
Quality Manager
(Report No.: - W /NABL/599)



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TEST REPORT

Report No : **W/NABL/597**
 Date : 26/03/2014
 Job Identification : 4381
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Arajai No. 9697/6711 Village Pur. Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Gundali Village (Govt. Handpump Near on Rampur
 Basada Chorya)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.40 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 1.12 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 220 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 61.71 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.04 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 604 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 33.6 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 33.05 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |

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E-mail : teamtest@rediffmail.com

| | | | | | |
|-----|---------------------------------------|-----------|-----------------|--|-----|
| 16. | Zinc as Zn | mg/l | Less than 0.01 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.66 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ | mg/l | 376 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 17.47 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 1.59 | 45 | - |
| 22. | Fluoride as F | mg/l | 3.45 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.04 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | |
| 28. | Suspended Solids* | mg/l | 4 | - | - |

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.
4. *Parameter not covered under NABL

Rajesh

Rajesh Maheshwari
Technical Manager

Kavita

Kavita Mathur
Quality Manager
(Report No.: - W /NABL/597)



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TEST REPORT

Report No : **W/NABL/596**
 Date : 26/03/2014
 Job Identification : 4380
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Kanoli Village (Govt. Handpump Water of Govt. Middle School)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.73 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 2.84 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 116 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 18.15 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | Less than 0.01 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 218 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 28.8 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 10.69 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |

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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 16. | Zinc as Zn | mg/l | Less than 0.01 | 5 | 15 |
| 17. | Boron as B | mg/l | 0.61 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 128 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 8.47 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 4.58 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.51 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.02 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 6 | - | - |

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3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
4. *Parameter not covered under NABL.


Rajesh Maheshwari
Technical Manager


Kavita Mathur
Quality Manager
(Report No.: - W /NABL/596)



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TEST REPORT

Report No : **W/NABL/595**
 Date : 26/03/2014
 Job Identification : 4379
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Dhulkhera (Handpump Rajeev Gandhi Patsala
 Front of Dhulkhera Mine Pit)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 6.73 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 4.00 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 700 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 589.89 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.09 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 1812 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 200 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 48.6 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |

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| | | | | | |
|-----|--|-----------|-----------------|--|-----|
| 16. | Zinc as Zn | mg/l | Less than 0.01 | 0.5 | 1 |
| 17. | Boron as B | mg/l | 0.5 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ mg/l | mg/l | 392 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 169.6 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 39.57 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.81 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.02 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 27 | - | - |

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4. *Parameter not covered under NABL.

Rajesh
Rajesh Maheshwari
Technical Manager

Kavita
Kavita Mathur
Quality Manager
(Report No.: - W /NABL/595)



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TEST REPORT

Report No : **W/NABL/594**
 Date : 26/03/2014
 Job Identification : 4378
 Issued to : M/s. Jindal Saw Limited
 Dhedwas Iron ore copper & Associated Mineral Mines
 Araji No. 9697/6711 Village Pur, Near Tiranga Hills,
 Tehsil & District – Bhilwara – 311802
 Rajasthan.
 Type of Unit : Mines
 Date of Sample Collection : 31/01/2014
 Date of Sample Receipt : 06/02/2014
 Date of Test : 06/02/2014 to 05/03/2014
 Sample Collected By : Mr. Kisan Kumar Sharma
 Point of Collection : **Suras Village (Govt. Handpump Near Palki Rani Ka Mandir)**
 Test Protocol : APHA 21st Edition

RESULTS

| S. No | Parameters | Unit | Observed Value | Standard Desirable limit as per IS 10500 : 2012 | Standard Permissible limit in the absence of alternate source as per IS 10500 : 2012 |
|-------|-------------------------------------|-------|----------------|---|--|
| 1. | pH | - | 7.32 | 6.5 – 8.5 | - |
| 2. | Color | Hazen | Less than 5 | 5 | 15 |
| 3. | Odor | - | Agreeable | Agreeable | - |
| 4. | Taste | - | Agreeable | Agreeable | - |
| 5. | Turbidity | NTU | 0.44 | 1 | 5 |
| 6. | Total Hardness as CaCO ₃ | mg/l | 192 | 200 | 600 |
| 7. | Chlorides as Cl | mg/l | 13.61 | 250 | 1000 |
| 8. | Iron as Fe | mg/l | 0.02 | 0.3 | - |
| 9. | Total Dissolved Solids | mg/l | 282 | 500 | 2000 |
| 10. | Calcium as Ca | mg/l | 57.6 | 75 | 200 |
| 11. | Magnesium as Mg | mg/l | 11.66 | 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 | 0.01 | 0.05 |
| 15. | Lead as Pb mg/l | mg/l | Less than 0.01 | 0.01 | - |

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| | | | | | |
|-----|---------------------------------------|-----------|-----------------|--|-----|
| 16. | Zinc as Zn | mg/l | Less than 0.01 | 5 | 12 |
| 17. | Boron as B | mg/l | 0.97 | 0.5 | 1 |
| 18. | Total Alkalinity as CaCO ₃ | mg/l | 160 | 200 | 600 |
| 19. | Aluminum as Al | mg/l | Less than 0.01 | 0.03 | 0.2 |
| 20. | Sulphate as SO ₄ | mg/l | 16.56 | 200 | 400 |
| 21. | Nitrate as NO ₃ | mg/l | 2.96 | 45 | - |
| 22. | Fluoride as F | mg/l | 0.86 | 1.0 | 1.5 |
| 23. | Cadmium as Cd | mg/l | Less than 0.001 | 0.003 | - |
| 24. | Total Chromium | mg/l | 0.03 | 0.05 | - |
| 25. | Selenium | mg/l | Less than 0.01 | 0.01 | - |
| 26. | Free Residual Chlorine | mg/l | Less than 0.1 | 0.2 | 1.0 |
| 27. | Total Coliform | MPN/100ml | Not Detected | Shall not be detectable in any 100 ml sample | - |
| 28. | Suspended Solids* | mg/l | 8 | - | - |

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- *Parameter not covered under NABL

Rajesh

Rajesh Maheshwari
Technical Manager

Kavita

Kavita Mathur
Quality Manager
(Report No.: - W /NABL/594)



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TEST REPORT

Report No. : A/2539
Job Identification : 4357
Date : 05-03-2014
Issued To : Mrs Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Crusher Unit
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 05-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Tata Blue Scope Shed
(Crusher Unit)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|-------------------------|---|
| 1 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 15.64 | IS 5182 (Part 6) : 2006 | 80.00 |
| 2 | Suspended Particulate Matter (SPM) [microgram/m ³] | 405.64 | IS 5182 (Part 4) : 1999 | 500 |
| 3 | Particulate Matter (PM _{2.5}) [microgram/m ³] | 37.64 | CPCB Guidelines | 60.00 |

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TEST REPORT

Report No. : A/2538
Job Identification. : 4356
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited.
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : BNF Unit
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 05-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near P.M.S. Building (BNF Unit)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|-------------------------|---|
| 1 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 13.67 | IS 5182 (Part 6) : 2006 | 80.00 |
| 2 | Suspended Particulate Matter (SPM) [microgram/m ³] | 334.9 | IS 5182 (Part 4) : 1999 | 500 |
| 3 | Particulate Matter (PM _{2.5}) [microgram/m ³] | 45.33 | CPCB Guidelines | 60.00 |

Bhatnagar

Note:

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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] | 8.01 | IS 5182 (Part 2) : 2001 | 80.00 |
| 5 | Particulate Matter (PM 10) [microgram/m ³] | 91.96 | IS 5182 (Part 23) | 100.00 |

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No: A/2539)



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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] | 8.41 | IS 5182 (Part 2) : 2001 | 80.00 |
| 5 | Particulate Matter (PM 10) [microgram/m ³] | 78.45 | IS 5182 (Part 23) | 100.00 |

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No. A/2038)



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TEST REPORT

| | |
|---|---|
| Report No. : | WW/NABL/586 |
| Job Identification. : | 4395 |
| Date : | 05-03-2014 |
| Issued To : | M/s Jindal Saw Limited, Khasra No.9697/6711. Near Tiranga Hills Village Pur Tehsil & District Bhilwara (Rajasthan) |
| Type of Unit : | Pellet unit |
| Type of Sample : | Wastewater Sample |
| Date of Sample Collection/Monitoring : | 31-01-2014 |
| Date of Sample Receipt : | 06-02-2014 |
| Date of Test : | 06-02-2014 to 05-03-2014 |
| Sample Collected By : | Kishan Kumar Sharma |
| Point of Collection : | Water Reservoir (STP Treated Water) |

RESULTS

| S N o | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules. 1986 |
|----------|---|-------------------|--------------------|---|
| 1 | Suspended Solids [mg/l] | 4 | APHA.2005:2540-D | 100 |
| 2 | Biochemical Oxygen Demand (BOD) [mg/l] | 26.5 | APHA 2005:5210-B | 30 |
| 3 | Chemical Oxygen Demand (COD) [mg/l] | 105.18 | APHA:2005 : 5220-C | 250 |

Note:

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RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|---------------------|----------------|----------------------|--|
| 4 | pH | 7.68 | APHA:2005 : 4500 H+B | 5.5 - 9.0 |
| 5 | Oil & Grease [mg/l] | 2 | APHA-2005 :5520-B | 10 |

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(Rajesh Maheshwari)

Technical Manager

(Kavita Mathur)

Authorized Signatory

(Report No: WW/NABL/586)



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T-1736, T-2276

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E-mail : teamtest@rediffmail.com

TEST REPORT

| | |
|---|---|
| Report No. : | WW/NABL/585 |
| Job Identification. : | 4394 |
| | WW/585 |
| Date : | 05-03-2014 |
| Issued To : | M/s Jindal Saw Limited, Khasra No.9697/6711, Near Tiranga Hills Village Pur Tehsil & District Bhilwara (Rajasthan) |
| Type of Unit : | Pellet unit |
| Type of Sample : | Wastewater Sample |
| Date of Sample Collection/Monitoring : | 31-01-2014 |
| Date of Sample Receipt : | 06-02-2014 |
| Date of Test : | 06-02-2014 to 05-03-2014 |
| Sample Collected By : | Kishan Kumar Sharma |
| Point of Collection : | Talling Recycling Water (STP Treated Water) |

RESULTS

| S.N | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|-----|--|----------------|--------------------|--|
| 1 | Suspended Solids [mg/l] | 10 | APHA.2005:2540-D | 100 |
| 2 | Biochemical Oxygen Demand (BOD) [mg/l] | 25.63 | APHA 2005:5210-B | 30 |
| 3 | Chemical Oxygen Demand (COD) [mg/l] | 127.49 | APHA:2005 : 5220-C | 250 |

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Note:

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RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|---------------------|----------------|----------------------|--|
| 4 | pH | 8.28 | APHA:2005 : 4500 H+B | 5.5 - 9.0 |
| 5 | Oil & Grease [mg/l] | 4 | APHA-2005 :5520-B | 10 |

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(Rajesh Maheshwari)

Technical Manager

(Kavita Mathur)

Authorized Signatory

(Report No: WW/NABI /585)



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TEST REPORT

Report No. : A/2557
Job Identification. : 4375
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near: Firanga
Hilis Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Raw Material Store (Minc Area)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 61.3 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 54.9 | IS 4954 | 70 |

Notes -

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(Kavita Mathur)
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TEST REPORT

Report No. : A/2556
Job Identification. : 4374
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near gate No.1 (Mill Area)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 57.6 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 50.5 | IS 4954 | 70 |

Notes :-

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TEST REPORT

Report No. : A/2555
Job Identification. : 4373
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Tata Blue Scope Shed
Crusher Unit

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 65.1 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 56.5 | IS 4954 | 70 |

Notes :-

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TEST REPORT


Report No. : A/2554
Job Identification. : 4372
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Switch Yard


RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 63.83 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 54.29 | IS 4954 | 70 |

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TEST REPORT

Report No. : A/2553
Job Identification. : 4371
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 29-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Adm Block Office

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 64.61 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 55.17 | IS 4954 | 70 |

Notes :-

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TEST REPORT

Report No. : A/2542
Job Identification. : 4360
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited.
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 05-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : CCR Building Near Overhead Water
Tank (Pellet Unit)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|-------------------------|---|
| 1 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 12.27 | IS 5182 (Part 6) : 2006 | 80.00 |
| 2 | Suspended Particulate Matter (SPM) [microgram/m ³] | 248.66 | IS 5182 (Part 4) : 1999 | 500 |
| 3 | Particulate Matter (PM2.5) [microgram/m ³] | 38.56 | CPCB Guidelines | 60.00 |

Note:

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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] | 6.07 | IS 5182 (Part 2) : 2001 | 80.00 |
| 5 | Particulate Matter (PM 10) [microgram/m ³] | 79.38 | IS 5182 (Part 23) | 100.00 |

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(Rajesh Maheshwari)
Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No. AT2542)



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TEST REPORT

Report No. : A/2550
Job Identification. : 4368
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hilis Village Paur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Nitrogen Plant

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 63.88 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 54.49 | IS 4954 | 70 |

Notes :-

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(Rajesh Maheshwari)
Technical Manager


Anshu Mathur
Authorized Signatory
(Report No: A-2550)



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TEST REPORT

Report No. : A/2549
Job Identification : 4367
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Balling Disc Building

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 64.61 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 55.17 | IS 4954 | 70 |

Notes -

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Technical Manager

(Kavita Mathur)
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(Report No. A/2549)



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TEST REPORT


Report No. : A2548
Job Identification. : 4366
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Sracker Area

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 63.7 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 54.3 | IS 4954 | 70 |

Notes -

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(Kavita Mathur)
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TEST REPORT

Report No. : A/2547
Job Identification : 4365
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 03-02-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near LDO Tank


RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 62.9 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 54.8 | IS 4954 | 70 |

Notes :-

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TEST REPORT

Report No. : A/2546
Job Identification. : 4364
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711. Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 03-02-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near T. G. Building


RESULTS

| S.N o | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|----------|----------------|-------------------|------------------|---|
| 1 | Lday [dB(A)] | 63.5 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 55.2 | IS 4954 | 70 |

Notes -

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(Rajesh Maheshwari)
Technical Manager


(Kavita Mathur)
Authorized Signatory
(Report No. A/2546)



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TEST REPORT

Report No : A/2545
Job Identification : 4363
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 03-02-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
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)] | 61.7 | IS 4954 | 75 ¹ |
| 2 | Lnight [dB(A)] | 53.9 | IS 4954 | 70 |

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(Kavita Mathur)
Authorized Signatory
Report No. : A/2545



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TEST REPORT

Report No. : A/2543
Job Identification. : 4361
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited.
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 03-02-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : CCR Building Near Overhead Water
Tank

RESULTS

| S.N o | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|----------|----------------|-------------------|------------------|---|
| 1 | Lday [dB(A)] | 58.1 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 52.2 | IS 4954 | 70 |

Notes :

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(Kavita Mathur)
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TEST REPORT

Report No. : A/2544
Job Identification. : 4362
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample
Collection/Monitoring : 03-02-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near D. G. Set


RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 62.40 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 50.2 | IS 4954 | 70 |

Notes -

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(Kavita Malhotra)
Authorized Signatory
(Report No. A/2544)



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TEST REPORT

| | |
|---------------------------------|--|
| Report No | : A/2758 |
| Job Identification | : 4392 |
| Date | : 12/03/2014 |
| Issued to | : M/s. Jindal Saw Limited Khasra No. 9697/6711, Near Tiranga Hills, Village Pur, Tehsil & District – Bhilwara, Rajasthan. |
| Type of Unit | : Pellet Unit |
| Date of Sample Collection | : 31/01/2014 |
| Date of Sample Receipt | : 06/02/2014 |
| Date of Test | : 06/02/2014 to 08/02/2014 |
| Duration of Sampling/Monitoring | : 30 Minutes |
| Type of Stack | : RCC |
| Stack Identification | : Rotary Kiln ESP Stack |
| Sampling Instrument | : Yayubodhan Stack Monitoring Kit VSS 1 |
| Testing Protocol | : As per CPCB Guideline |
| Monitored/Collected By | : Mr. Kishan Sharma |

RESULTS

| S. No | Parameter | Units | Observed Value |
|-------|---------------------------------------|--------------------|----------------|
| 1. | Particulate Matter | mg/Nm ³ | 30.63 |
| 2. | Oxides of Nitrogen as NO _x | mg/Nm ³ | 123.65 |
| 3. | Sulphur dioxide as SO ₂ | mg/Nm ³ | 16.02 |

Note:

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Rajesh Maheshwari
Technical Manager

Kavita Mathur
Quality Manager
(Report No: A/2758)



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TEST REPORT

Report No. : W/NABL/551
 Job Identification : 4393
 Date : 05-03-2014
 Issued To : M/s Jindal Saw Limited,
 Khasra No.9697/6711, Near Tiranga
 Hills Village Pur Tehsil & District
 Bhilwara (Rajasthan)
 Type of Unit : Pellet unit
 Type of Sample : Potable & Domestic Water
 Date of Sample Collection/Monitoring : 31-01-2014
 Date of Sample Receipt : 06-02-2014
 Date of Test : 06-02-2014 to 05-03-2014
 Sample Collected By : Kishan Kumar Sharma
 Point of Collection : Drinking Water

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Desirable Limits as Per IS 10500 : 2012 | Standard Permissible Limit in the absence of alternative source 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 | Agreeable |
| 3 | Taste | Agreeable | IS 3025 (Part 7 & 8) : 1984 | Agreeable | - |
| 4 | Turbidity [NTU] | Less than 0.1 | IS 3025 (Part 10) : 1984 | 1.00 | 05.00 |
| 5 | pH | 6.91 | IS 3025 (Part 11) : 1984 | 6.50 - 8.50 | - |
| 6 | Hardness (total) [mg/l] | 46 | IS 3025 (Part 21) : 1983 | 200.00 | 300.00 |

Note:

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RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Desirable Limits as Per IS 10500 : 2012 | Standard Permissible Limit in the absence of alternative Source as per IS 10500 2012 |
|------|-------------------------------|-----------------|--------------------------|---|--|
| 7 | Iron [mg/l] | 0.02 | IS 3025 (Part 53) : 2003 | 0.3 | - |
| 8 | Chloride [mg/l] | 28.13 | IS 3025 (Part 32) : 1988 | 250.00 | 1000.00 |
| 9 | Total Dissolved Solids [mg/l] | 86 | IS 3025 (Part 16) : 1984 | 500.00 | 2000.00 |
| 10 | Calcium [mg/l] | 11.6 | IS 3025 (Part 40) : 1991 | 75.00 | 200.00 |
| 11 | Magnesium [mg/l] | 4.13 | IS 3025 (Part 46) : 1994 | 30.00 | 100.00 |
| 12 | Manganese [mg/l] | Less than 0.01 | IS 3025 (Part 59) | 0.1 | 0.3 |
| 13 | Sulphate [mg/l] | 7.86 | IS 3025 (Part 24) : 1986 | 200.00 | 400.00 |
| 14 | Nitrate [mg/l] | 15.57 | IS 3025 (Part 34) : 1988 | 45.00 | - |
| 15 | Fluoride [mg/l] | 0.11 | IS 3025 (Part 60) | 1.00 | 1.50 |
| 16 | Cadmium [mg/l] | Less than 0.001 | IS 3025 (Part 41) : 1992 | 0.003 | - |

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RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Desirable Limits as Per IS 10500 : 2012 | Standard Permissible Limit in the absence of alternative Source as per IS 10500 2012 |
|------|-------------------------------|----------------|--------------------------|---|--|
| 17 | Zinc [mg/l] | 0.05 | IS 3025 (Part 49) : 1994 | 5.00 | ~5.00 |
| 18 | Alkalinity - T [mg/l] | 24 | IS 3025 (Part 23) : 1986 | 200.00 | 600.00 |
| 19 | Aluminum [mg/l] | Less than 0.01 | IS 3025 (Part 55) : 2003 | 0.003 | 0.2 |
| 20 | Boron [mg/l] | 0.38 | IS 13428 (Annexure H) | 1.00 | 5.00 |
| 21 | Total coliform [MPN/100ml] | Not detected | IS 5401 (Part 2) : 2002 | Shall not be detectable in any 100 ml | - |
| 22 | Total Chromium [mg/l] | Less than 0.01 | APHA :2005 :3111- B | 0.5 | - |
| 23 | selenium [mg/l] | Less than 0.01 | IS 3025 (Part 56) : 2003 | 0.01 | - |
| 24 | Residual free chlorine [mg/l] | Less than 0.1 | IS 3025 (Part 26) : 1986 | 0.2 | 1 |

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(Rajesh Maheshwari)

Technical Manager

(Kavita Mathur)

Authorized Signatory

(Report No: W/NABL/551)



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TEST REPORT

Report No. : W/551
Job Identification. : 4393
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Types of Sample : Potable & Domestic Water
Date of Sample Collection/Monitoring : 31-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 05-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Drinking Water

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Desirable Limits as Per IS 10500 : 2012 | Standard Permissible Limit in the absence of alternative Source as per IS 10500 2012 |
|------|-------------------------|----------------|--------------------------|---|--|
| 1 | Suspended Solids [mg/l] | 10 | IS 3025 (part 15) : 1984 | - | - |

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Technical Manager

(Kavita Mathur)
Authorized Signatory
(Report No. W/551)



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TEST REPORT

Report No. : A/2541
Job Identification. : 4359
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 31-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 05-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Coal Pulverisor Area Near Nitrogen
Plant (Pellet Unit)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|-------------------------|---|
| 1 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 13.14 | IS 5182 (Part 6) : 2006 | 80.00 |
| 2 | Suspended Particulate Matter (SPM) [microgram/m ³] | 423.84 | IS 5182 (Part 4) : 1999 | 500 |
| 3 | Particulate Matter (PM _{2.5}) [microgram/m ³] | 43.69 | CPCB Guidelines | 60.00 |

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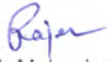
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RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|--|----------------|-------------------------|---|
| 4 | Sulphur Dioxide [microgram/m ³] | 8.7 | IS 5182 (Part 2) : 2001 | 80.00 |
| 5 | Particulate Matter (PM 10) [microgram/m ³] | 89.01 | IS 5182 (Part 23) | 100.00 |

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(Kavita Mathur)
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TEST REPORT

Report No. : A/2540
Job Identification. : 4358
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 05-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Switch Yard Area (Pellet Unit)

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|-------------------------|---|
| 1 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 15.05 | IS 5182 (Part 6) : 2006 | 80.00 |
| 2 | Suspended Particulate Matter (SPM) [microgram/m ³] | 328.1 | IS 5182 (Part 4) : 1999 | 500 |
| 3 | Particulate Matter (PM _{2.5}) [microgram/m ³] | 53.09 | CPCB Guidelines | 60.00 |

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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] | 9.06 | IS 5182 (Part 2) : 2001 | 80.00 |
| 5 | Particulate Matter (PM-10) [microgram/m ³] | 85.22 | IS 5182 (Part 23) | 100.00 |

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(Report No: A/2540)



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TEST REPORT

Report No. : A/2552
Job Identification. : 4370
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Proportioning Building

RESULTS

| S No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 63.14 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 54.18 | IS 4954 | 70 |

Notes :-

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Authorized Signatory
(Report No: A/2552)



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TEST REPORT

Report No. : A/2551
Job Identification. : 4369
Date : 05-03-2014
Issued To : M/s Jindal Saw Limited,
Khasra No.9697/6711, Near Tiranga
Hills Village Pur Tehsil & District
Bhilwara (Rajasthan)
Type of Unit : Pellet unit
Type of Sample : Ambient Noise Level Monitoring
Date of Sample Collection/Monitoring : 30-01-2014
Date of Sample Receipt : 06-02-2014
Date of Test : 06-02-2014 to 04-03-2014
Sample Collected By : Kishan Kumar Sharma
Point of Collection : Near Bentonite Building

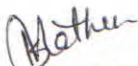
RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per Environment protection rules, 1986 |
|------|----------------|----------------|------------------|--|
| 1 | Lday [dB(A)] | 60.83 | IS 4954 | 75 |
| 2 | Lnight [dB(A)] | 51.29 | IS 4954 | 70 |

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred 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)
Authorized Signatory
(Report No. A/2551)