



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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ISO 9001:2008

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JDA/UDH

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Website : www.teamtesthouse.com

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

TEST REPORT

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|--|--|
| Report No. : | A/2733 |
| Job Identification. : | 8573/17-18 |
| Date : | 07-02-2018 |
| Issued To : | M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit : | Mines |
| Type of Sample : | Ambient Air Quality Monitoring |
| Date of Sample Collection/Monitoring : | 11-01-2018 |
| Date of Sample Receipt : | 17-01-2018 |
| Date of Test : | 17-01-2018 to 07-02-2018 |
| Sample Collected By : | Parsa Ram Kudi |
| Point of Collection : | Lampiya Village (Laxmanlal Regar) [25°27'31.2"N 74°39'31.06"] |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 140 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 12.07 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 229.97 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 28.93 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 6.45 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 74.84 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

Notes :-

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

Puram
Puram Mal Yogi
Senior Analyst

Raj
Rajesh K. Meshwan
Authorized Signatory
(Report No: A/2733)



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TEST REPORT

Report No. : A/2732
 Job Identification. : 8572/17-18
 Date : 07-02-2018
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)
 ML No. 627/05, Village : Lampiya Tehsil : Banera,
 District : Bhilwara- 311802 (Rajasthan)
 Type of Unit : Mines
 Type of Sample : Ambient Air Quality Monitoring
 Date of Sample Collection/Monitoring : 11-01-2018
 Date of Sample Receipt : 17-01-2018
 Date of Test : 17-01-2018 to 07-02-2018
 Sample Collected By : Parsa Ram Kudi
 Point of Collection : Kamalpura Village (Shankar Ji House) [25°28'18.1"N 74°38'43.7"E]

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 190 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 13 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 201.36 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 33.67 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 6.31 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 71.63 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

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Parsa Ram Kudi
Senior Analyst

Rajin
Authorized Signatory
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TEST REPORT

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|--|--|
| Report No. : | A/2731 |
| Job Identification. : | 8571/17-18 |
| Date : | 07-02-2018 |
| Issued To : | M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit : | Mines |
| Type of Sample : | Ambient Air Quality Monitoring |
| Date of Sample Collection/Monitoring : | 12-01-2018 |
| Date of Sample Receipt : | 17-01-2018 |
| Date of Test : | 17-01-2018 to 07-02-2018 |
| Sample Collected By : | Parsa Ram Kudi |
| Point of Collection : | Devpura Village (Shri Narayan Lal Ji House) [25°26'52.7"N 74°37'55.7"E] |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 160 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 14.17 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 223.38 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 25.91 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 5.9 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 70.72 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

Notes :-

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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/2731)



TEAM TEST HOUSE

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TEST REPORT

| | |
|--|--|
| Report No. : | A/2730 |
| Job Identification. : | 8570/17-18 |
| Date : | 07-02-2018 |
| Issued To : | M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit : | Mines |
| Type of Sample : | Ambient Air Quality Monitoring |
| Date of Sample Collection/Monitoring : | 12-01-2018 |
| Date of Sample Receipt : | 17-01-2018 |
| Date of Test : | 17-01-2018 to 07-02-2018 |
| Sample Collected By : | Parsa Ram Kudi |
| Point of Collection : | Jaliya Village (Ramji Lal House) [25°26'31.2"N 74°38'26.4"E] |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|--|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 170 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO ₂ [microgram/m3] | 14.21 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 217.85 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM _{2.5}) [microgram/m3] | 22.02 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 4.2 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 67.68 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

Notes :-

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Purni Mal Yogi
Senior Analyst

Rajesh Kumar
Authorized Signatory
(Report No: A/2730)



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TEST REPORT

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|--|--|
| Report No. : | A/2752 |
| Job Identification. : | 9062/17-18 |
| Date : | 07-02-2018 |
| Issued To : | M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit : | Mines |
| Type of Sample : | Ambient Air Quality Monitoring |
| Date of Sample Collection/Monitoring : | 29-01-2018 |
| Date of Sample Receipt : | 01-02-2018 |
| Date of Test : | 01-02-2018 to 07-02-2018 |
| Sample Collected By : | Parsa Ram Kudi |
| Point of Collection : | Kamalpura Village (Shankar Ji House) [25°28'18.1"N 74°38'43.7"E] |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 240 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 11.88 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 179.85 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 27.44 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 7.07 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 77.16 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

Notes :-

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Purandhar
Purandhar
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: A/2752)



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TEST REPORT

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| Report No. : | A/2753 |
| Job Identification. : | 9063/17-18 |
| Date : | 07-02-2018 |
| Issued To : | M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit : | Mines |
| Type of Sample : | Ambient Air Quality Monitoring |
| Date of Sample Collection/Monitoring : | 29-01-2018 |
| Date of Sample Receipt : | 01-02-2018 |
| Date of Test : | 01-02-2018 to 07-02-2018 |
| Sample Collected By : | Parsa Ram Kudi |
| Point of Collection : | Lampiya Village (Laxmanlal Regar) [25°27'31.2"N 74°39'31.06"] |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 260 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 12.04 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 212.92 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 22.44 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 5.01 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 73.5 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

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Purva Maheshwari
Senior Analyst

Purva
Rajesh Maheshwari
Authorized Signatory
(Report No: A/2753)



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TEST REPORT

Report No. : A/2750
Job Identification : 9060/17-18
Date : 07-02-2018
Issued To : M/S Jindal Saw Limited (Lampiya Mines)
ML No. 627/05, Village : Lampiya Tehsil : Banera,
District : Bhilwara- 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 30-01-2018
Date of Sample Receipt : 01-02-2018
Date of Test : 01-02-2018 to 07-02-2018
Sample Collected By : Parsa Ram Kudi
Point of Collection : Jaliya Village (Ramji Lal House) [25°26'31.2"N 74°38'26.4"E]

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 200 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 13.26 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 221.84 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 32.42 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 7.65 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 75.73 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

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Puray Ma Yogi
Senior Analyst

Baj
Rajesh Singhwani
Authorized Signatory
(Report No: A/2750)



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TEST REPORT

| | |
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| Report No. : | A/2751 |
| Job Identification. : | 9061/17-18 |
| Date : | 07-02-2018 |
| Issued To : | M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera, District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit : | Mines |
| Type of Sample : | Ambient Air Quality Monitoring |
| Date of Sample Collection/Monitoring : | 30-01-2018 |
| Date of Sample Receipt : | 01-02-2018 |
| Date of Test : | 01-02-2018 to 07-02-2018 |
| Sample Collected By : | Parsa Ram Kudi |
| Point of Collection : | Devpura Village (Shri Narayan Lal Ji House) [25°26'52.7"N 74°37'55.7"E] |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1 | Carbon Monoxide [microgram/m3] | 170 | IS 5182 (Part 10) : 1999 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 10.33 | IS 5182 (Part 6) : 2006 Reaffirmed 2012 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 211.73 | IS 5182 (Part 4) : 1999 Reaffirmed 2014 | - |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 30.45 | CPCB Guidelines | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 6.29 | IS 5182 (Part 2) : 2001 Reaffirmed 2012 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 62.68 | IS 5182 (Part 23)-2006 Reaffirmed 2012 | 100.00 |

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Rajesh
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