



# TEAM TEST HOUSE

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



TC-5025

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

**NABL**

**RSPCB**

**ISO 9001:2008**

**OHSAS 18001:2007**

**JDA/UDH**

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## TEST REPORT

|                                        |                                                                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Report No. :                           | A/1897                                                                                                                                 |
| Job Identification. :                  | 5597/17-18                                                                                                                             |
| Date :                                 | 06-11-2017                                                                                                                             |
| Issued To :                            | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil : Banera,<br>District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit :                         | Mines                                                                                                                                  |
| Type of Sample :                       | Ambient Air Quality Monitoring                                                                                                         |
| Date of Sample Collection/Monitoring : | 09-10-2017                                                                                                                             |
| Date of Sample Receipt :               | 14-10-2017                                                                                                                             |
| Date of Test :                         | 14-10-2017 to 06-11-2017                                                                                                               |
| 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]                         | 310            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m3]     | 15.83          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m3]      | 266.53         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m3] | 29.33          | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m3]                         | 5.38           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM <sub>10</sub> ) [microgram/m3]  | 76.69          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

**Notes :-**

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*Puranga*  
Senior Analyst

*Rajesh*  
Authorized Signatory  
(Report No: A/1897)



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E-mail : director@teamtesthouse.com

## TEST REPORT

Report No. : A/1896  
 Job Identification. : 5596/17-18  
 Date : 06-11-2017  
 Issued To : M/S Jindal Saw Limited (Lampiya Mines)  
 ML No. 627/05, Village : Lampiya Tehsil : Banera,  
 District : Bhilwara- 311802 (Rajasthan)  
 Type of Unit : Mines  
 Type of Sample : Ambient Air Quality Monitoring  
 Date of Sample Collection/Monitoring : 09-10-2017  
 Date of Sample Receipt : 14-10-2017  
 Date of Test : 14-10-2017 to 06-11-2017  
 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]                    | 300            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO2 [microgram/m3]            | 12.37          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m3] | 256.13         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM2.5) [microgram/m3]         | 25.51          | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m3]                    | 6.06           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m3]         | 68.11          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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Puran Mal Yagi  
 Senior Analyst

Rajesh Maheshwari  
 Authorized Signatory  
 (Report No: A/1896)





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E-mail : director@teamtesthouse.com

## TEST REPORT

Report No. : A/1895  
 Job Identification. : 5595/17-18  
 Date : 06-11-2017  
 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 : 10-10-2017  
 Date of Sample Receipt : 14-10-2017  
 Date of Test : 14-10-2017 to 06-11-2017  
 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/m <sup>3</sup> ]                         | 250            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 12.38          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 188.16         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 31.04          | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 7.61           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]              | 71.66          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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Purni Mal Vogi  
 Senior Analyst

Rajesh Maheshwari  
 Authorized Signatory  
 (Report No: A/1895)



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## TEST REPORT

|                                        |                                                                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Report No. :                           | A/1894                                                                                                                                 |
| Job Identification. :                  | 5594/17-18                                                                                                                             |
| Date :                                 | 06-11-2017                                                                                                                             |
| Issued To :                            | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil : Banera,<br>District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit :                         | Mines                                                                                                                                  |
| Type of Sample :                       | Ambient Air Quality Monitoring                                                                                                         |
| Date of Sample Collection/Monitoring : | 10-10-2017                                                                                                                             |
| Date of Sample Receipt :               | 14-10-2017                                                                                                                             |
| Date of Test :                         | 14-10-2017 to 06-11-2017                                                                                                               |
| 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/m <sup>3</sup> ]                         | 270            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 13.19          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 186.75         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 30.17          | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 5.9            | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]              | 63.27          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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Puran Mal Yogi  
Senior Analyst

Rajesh Maheswari  
Authorized Signatory  
(Report No: A/1894)





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## TEST REPORT

|                                        |                                                                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Report No. :                           | A/1918                                                                                                                                 |
| Job Identification. :                  | 5920/17-18                                                                                                                             |
| Date :                                 | 06-11-2017                                                                                                                             |
| Issued To :                            | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil : Banera,<br>District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit :                         | Mines                                                                                                                                  |
| Type of Sample :                       | Ambient Air Quality Monitoring                                                                                                         |
| Date of Sample Collection/Monitoring : | 26-10-2017                                                                                                                             |
| Date of Sample Receipt :               | 28-10-2017                                                                                                                             |
| Date of Test :                         | 28-10-2017 to 06-11-2017                                                                                                               |
| Sample Collected By :                  | Sandeep Kumar                                                                                                                          |
| 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/m <sup>3</sup> ]                         | 350            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 13.81          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 324.19         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 29.74          | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 6.88           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]              | 56.59          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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*Puran Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/1918)



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## TEST REPORT

Report No. : A/1919  
Job Identification. : 5921/17-18  
Date : 06-11-2017  
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 : 25-10-2017  
Date of Sample Receipt : 28-10-2017  
Date of Test : 28-10-2017 to 06-11-2017  
Sample Collected By : Sandeep Kumar  
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/m <sup>3</sup> ]                         | 290            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 12.6           | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 198.98         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 29.64          | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 8.05           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]              | 65.56          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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(Report No: A/1919)





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## TEST REPORT

|                                        |                                                                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Report No. :                           | A/1921                                                                                                                                 |
| Job Identification. :                  | 5923/17-18                                                                                                                             |
| Date :                                 | 06-11-2017                                                                                                                             |
| Issued To :                            | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil : Banera,<br>District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit :                         | Mines                                                                                                                                  |
| Type of Sample :                       | Ambient Air Quality Monitoring                                                                                                         |
| Date of Sample Collection/Monitoring : | 27-10-2017                                                                                                                             |
| Date of Sample Receipt :               | 28-10-2017                                                                                                                             |
| Date of Test :                         | 28-10-2017 to 06-11-2017                                                                                                               |
| Sample Collected By :                  | Sandeep Kumar                                                                                                                          |
| Point of Collection :                  | Devpura Village (Shri Narayan Lal Ji House) [25°26'52.7"N<br>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/m <sup>3</sup> ]                         | 290            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 14.71          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 209.29         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 25             | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 5.82           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]              | 72.21          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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*Puran*  
**Puran Mal Yogi**  
Senior Analyst

*Gajen*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: A/1921)



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## TEST REPORT

|                                        |                                                                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Report No. :                           | A/1920                                                                                                                                 |
| Job Identification. :                  | 5922/17-18                                                                                                                             |
| Date :                                 | 06-11-2017                                                                                                                             |
| Issued To :                            | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil : Banera,<br>District : Bhilwara- 311802 (Rajasthan) |
| Type of Unit :                         | Mines                                                                                                                                  |
| Type of Sample :                       | Ambient Air Quality Monitoring                                                                                                         |
| Date of Sample Collection/Monitoring : | 26-10-2017                                                                                                                             |
| Date of Sample Receipt :               | 28-10-2017                                                                                                                             |
| Date of Test :                         | 28-10-2017 to 06-11-2017                                                                                                               |
| Sample Collected By :                  | Sandeep Kumar                                                                                                                          |
| 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]                    | 320            | IS 5182 (Part 10) : 1999                   | 4000                                                      |
| 2    | Nitrogen Dioxide as NO2 [microgram/m3]            | 13.66          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00                                                     |
| 3    | Suspended Particulate Matter (SPM) [microgram/m3] | 183.6          | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -                                                         |
| 4    | Particulate Matter (PM2.5) [microgram/m3]         | 29.7           | CPCB Guidelines                            | 60.00                                                     |
| 5    | Sulphur Dioxide [microgram/m3]                    | 7.75           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00                                                     |
| 6    | Particulate Matter (PM 10) [microgram/m3]         | 74.1           | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00                                                    |

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*Puran Mal Yogi*  
**Puran Mal Yogi**  
Senior Analyst

*Rajesh Maheshwan*  
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Authorized Signatory  
(Report No: A/1920)