



# 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](http://www.teamtesthouse.com)

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E-mail : [director@teamtesthouse.com](mailto:director@teamtesthouse.com)

## TEST REPORT

Report No.: A/3628  
Job Identification.: ULR-TC502519400000713  
Date : 29-03-2019  
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 : 13-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Banera Village [74°41'18"N25°30'07"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m3]                            | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m3]                    | 210            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m3]                               | 0.05           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO2 [microgram/m3]            | 13.63          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m3]                              | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m3] | 204.6          | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM2.5) [microgram/m3]         | 26.88          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m3]                    | 6.3            | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM 10) [microgram/m3]         | 67.93          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m3]                            | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m3]                        | BDL (<0.5)     | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m3]                                   | BDL (<2.0)     | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m3]                                    | 4.7            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

### Notes :-

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

  
Purni Mal Yogi  
Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory



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## TEST REPORT

Report No.: A/3629  
Job Identification.: ULR-TC502519400000714  
Date : 29-03-2019  
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 : 09-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Mahua Khurd [74°39'28"N25°26'27"E]

## RESULTS

| S.No | Parameters   | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|--|----------------|---|---|
| 1    | Ammonia [microgram/m3]                                 | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m3]                         | 230            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m3]                                    | 0.11           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m3]     | 13.95          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m3]                                   | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m3]      | 207.14         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m3] | 27.56          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m3]                         | 5.71           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM <sub>10</sub> ) [microgram/m3]  | 57.88          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m3]                                 | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m3]                             | BDL (<0.5)     | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m3]  | BDL (<2.0)     | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m3]   | 2.4            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

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Puran Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory



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E-mail : director@teamtesthouse.com

## TEST REPORT

Report No. :

A/3627

Job Identification. :

ULR-TC502519400000712

Date :

29-03-2019

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 :

11-03-2019

Date of Sample Receipt :

15-03-2019

Date of Test :

15-03-2019 to 29-03-2019

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Chimanpura Village [74°37'15"N 25°26'47"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m3]                            | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m3]                    | 260            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m3]                               | 0.02           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO2 [microgram/m3]            | 15.38          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m3]                              | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m3] | 161.92         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM2.5) [microgram/m3]         | 28.76          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m3]                    | 5.14           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM 10) [microgram/m3]         | 63.93          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m3]                            | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m3]                        | BDL(<0.5)      | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m3]                                   | BDL(<2.0)      | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m3]                                    | 3.2            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

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Puran Makrogi

Senior Analyst

Rajesh Maheshwari

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## TEST REPORT

Report No. : A/3630  
Job Identification : ULR-TC502519400000715  
Date : 29-03-2019  
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 : 13-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Mandal Village [74°34'03"N 25°26'25"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m <sup>3</sup> ]                                 | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m <sup>3</sup> ]                         | 280            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m <sup>3</sup> ]                                    | 0.22           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 13.72          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m <sup>3</sup> ]                                   | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 196.96         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 31.52          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 7.42           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]  | 78.38          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m <sup>3</sup> ]                                 | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]                             | BDL (<0.5)     | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m <sup>3</sup> ]  | BDL (<2.0)     | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m <sup>3</sup> ]   | 5              | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

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Purnima Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory



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E-mail : [director@teamtesthouse.com](mailto:director@teamtesthouse.com)

## TEST REPORT

Report No. : A/3626  
Job Identification. : ULR-TC502519400000711  
Date : 29-03-2019  
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 : 10-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Lampiya Village [74\*39'30"N25\*27'32"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m3]                            | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m3]                    | 310            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m3]                               | 0.2            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO2 [microgram/m3]            | 13.77          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m3]                              | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m3] | 236.99         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM2.5) [microgram/m3]         | 22.91          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m3]                    | 5.58           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM 10) [microgram/m3]         | 78.72          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m3]                            | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m3]                        | BDL (<0.5)     | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m3]                                   | BDL (<2.0)     | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m3]                                    | 4.4            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

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Senior Analyst

  
Rajesh Maheshwan  
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E-mail : [director@teamtesthouse.com](mailto:director@teamtesthouse.com)

## TEST REPORT

Report No.: A/3625  
Job Identification.: ULR-TC502519400000710  
Date: 29-03-2019  
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 : 09-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Kamalpura Village [74°38'44"N25°28'18"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m3]                            | BDL (<20.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m3]                    | 260            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m3]                               | 0.22           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO2 [microgram/m3]            | 15.19          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m3]                              | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m3] | 192.53         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM2.5) [microgram/m3]         | 19.16          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m3]                    | 7.69           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM 10) [microgram/m3]         | 69.14          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m3]                            | BDL(<1.0)      | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m3]                        | BDL(<0.5)      | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m3]                                   | BDL(<2.0)      | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m3]                                    | 4.7            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

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Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory



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## TEST REPORT

Report No.:

A/3624

Job Identification.:

ULR-TC502519400000709

Date :

29-03-2019

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 :

10-03-2019

Date of Sample Receipt :

15-03-2019

Date of Test :

15-03-2019 to 29-03-2019

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Devpura Village [74°37'56"N25°26'53"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m3]                            | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m3]                    | 290            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m3]                               | 0.14           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO2 [microgram/m3]            | 14.65          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m3]                              | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m3] | 174.19         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM2.5) [microgram/m3]         | 24.93          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m3]                    | 6.83           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM 10) [microgram/m3]         | 69.67          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m3]                            | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m3]                        | BDL (<0.5)     | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m3]                                   | BDL (<2.0)     | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m3]                                    | 4.9            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

Notes :-

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Purni Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory



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## TEST REPORT

Report No. :

A/3623

Job Identification. :

ULR-TC502519400000708

Date :

29-03-2019

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 :

11-03-2019

Date of Sample Receipt :

15-03-2019

Date of Test :

15-03-2019 to 29-03-2019

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Jaliya Village [74°38'26"N 25°26'31"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                            | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1    | Ammonia [microgram/m <sup>3</sup> ]                                 | BDL (<10.0)    | CPCB Guidelines                             | 400.00  |
| 2    | Carbon Monoxide [microgram/m <sup>3</sup> ]                         | 190            | IS 5182 (Part 10) : 1999                    | 4000  |
| 3    | Lead [microgram/m <sup>3</sup> ]                                    | 0.21           | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 1.00  |
| 4    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 15.26          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012  | 80.00   |
| 5    | Ozone [microgram/m <sup>3</sup> ]                                   | BDL (<20.0)    | APHA 1977, Part 819                         | 100.00  |
| 6    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 151.13         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014  | -   |
| 7    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 26.67          | CPCB Guidelines                             | 60.00   |
| 8    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 6.85           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012  | 80.00   |
| 9    | Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]  | 64.17          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012   | 100.00  |
| 10   | Benzene [microgram/m <sup>3</sup> ]                                 | BDL (<1.0)     | IS 5182 (Part 11) : 2006                    | 5.00  |
| 11   | Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]                             | BDL (<0.5)     | CPCB Guidelines                             | 1.00  |
| 12   | Arsenic [ng/m <sup>3</sup> ]  | BDL (<2.0)     | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 6.00  |
| 13   | Nickel [ng/m <sup>3</sup> ]   | 5.1            | IS 5182 (Part 22) : 2004<br>Reaffirmed 2014 | 20.00   |

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Puran Mal Yogi

Rajesh Maheshwari



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Date :

A/3636

ULR-TC502519400000856

29-03-2019

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 :

17-03-2019

Date of Sample Receipt :

25-03-2019

Date of Test :

25-03-2019 to 29-03-2019

Sample Collected By :

Parsa Ram Kudi

Point of Collection :

Lampiya Village [24°39'30"N, 25°27'32"E]


## 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]            | 15.3           | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00   |
| 3    | Suspended Particulate Matter (SPM) [microgram/m3] | 243.6          | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -   |
| 4    | Particulate Matter (PM2.5) [microgram/m3]         | 28.72          | CPCB Guidelines                            | 60.00   |
| 5    | Sulphur Dioxide [microgram/m3]                    | 7.40           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00   |
| 6    | Particulate Matter (PM 10) [microgram/m3]         | 75.26          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00  |

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Puran Mai Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/3636)



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## TEST REPORT

Report No. : A/3635  
Job Identification : ULR-TC502519400000855  
Date : 29-03-2019  
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 : 17-03-2019  
Date of Sample Receipt : 25-03-2019  
Date of Test : 25-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Kamalpura Village (Shankar Ji House) [24°38'44"N, 25°28'18"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                           | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1    | Carbon Monoxide [microgram/m3]                    | 250            | IS 5182 (Part 10) : 1999                   | 4000  |
| 2    | Nitrogen Dioxide as NO2 [microgram/m3]            | 14.29          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00   |
| 3    | Suspended Particulate Matter (SPM) [microgram/m3] | 226.16         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -   |
| 4    | Particulate Matter (PM2.5) [microgram/m3]         | 24.87          | CPCB Guidelines                            | 60.00   |
| 5    | Sulphur Dioxide [microgram/m3]                    | 7.04           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00   |
| 6    | Particulate Matter (PM 10) [microgram/m3]         | 72.75          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00  |

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Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/3635)



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E-mail : [director@teamtesthouse.com](mailto:director@teamtesthouse.com)

## TEST REPORT

Report No: A/3634  
Job Identification : ULR-TC502519400000854  
Date : 29-03-2019  
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 : 18-03-2019  
Date of Sample Receipt : 25-03-2019  
Date of Test : 25-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Devpura Village (Shri Narayan Lal Ji House) [74°37'56"N, 25°26'53"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> ]                         | 220            | IS 5182 (Part 10) : 1999                   | 4000  |
| 2    | Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]     | 14.78          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00   |
| 3    | Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]      | 201.06         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -   |
| 4    | Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ] | 23.09          | CPCB Guidelines                            | 60.00   |
| 5    | Sulphur Dioxide [microgram/m <sup>3</sup> ]                         | 4.91           | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00   |
| 6    | Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]              | 77.08          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00  |

### Notes :-

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Puran Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/3634)



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**TEST REPORT**

Report No. : A/3633  
Job Identification. : ULR-TC502519400000853  
Date : 29-03-2019  
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 : 18-03-2019  
Date of Sample Receipt : 25-03-2019  
Date of Test : 25-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Jaliya Village (Ramji Lal House) [74°38'26"N 25°26'31"E]

**RESULTS**

| S.No | Parameters  | Observed Value | Testing Protocol                           | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|--|---|
| 1    | Carbon Monoxide [microgram/m3]                    | 180            | IS 5182 (Part 10) : 1999                   | 4000  |
| 2    | Nitrogen Dioxide as NO2 [microgram/m3]            | 13.77          | IS 5182 (Part 6) : 2006<br>Reaffirmed 2012 | 80.00   |
| 3    | Suspended Particulate Matter (SPM) [microgram/m3] | 211.7          | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 | -   |
| 4    | Particulate Matter (PM2.5) [microgram/m3]         | 23.05          | CPCB Guidelines                            | 60.00   |
| 5    | Sulphur Dioxide [microgram/m3]                    | 4.4            | IS 5182 (Part 2) : 2001<br>Reaffirmed 2012 | 80.00   |
| 6    | Particulate Matter (PM 10) [microgram/m3]         | 78.47          | IS 5182 (Part 23)-2006<br>Reaffirmed 2012  | 100.00  |

Notes :-

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*Puran*  
**Puran Mah Yoni**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: A/3633)



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E-mail : director@teamtesthouse.com

## TEST REPORT

|                         |  |  |                                |
|-------------------------|--|--|--------------------------------|
| Report No./ULR No. :    | TC502519100000460P   | Date :                                 | 11-04-2019                     |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil :<br>Banera,, District : Bhilwara- 311802 (Rajasthan), | Type of Unit :                         | Mines                          |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 11-03-2019                     |
| Point of Collection :   | Village- Lampiya (Govt.School handpump)<br>[74°40'30" N 25°27'41"E]  | Date of Receipt :                      | 15-03-2019                     |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample :    | 5.0 liter  | Sample Collected By :                  | Parsa Ram Kudi                 |
| Unit's representative : | Shitanshu Pandey   | Condition of Sample :                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color (Hazen)                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.10           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 348            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 45.6           | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 684            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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*Raj*



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## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 10   | Calcium [mg/l]                | 107.2          | IS 3025 (Part 40) : 1991<br>RA 2014 | 75.00   | 200.00   |
| 11   | Magnesium [mg/l]              | 19.44          | IS 3025 (Part 46) : 1994<br>RA 2014 | 30.00   | 100.00   |
| 12   | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992<br>RA 2014 | 0.05  | 1.50   |
| 13   | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006<br>RA 2017 | 0.1   | 0.3  |
| 14   | Sulphate [mg/l]               | 29.75          | IS 3025 (Part 24) : 1986<br>RA 2014 | 200.00  | 400.00   |
| 15   | Nitrate [mg/l]                | 36.60          | IS 3025 (Part 34) : 1988<br>RA 2014 | 45.00   | -  |
| 16   | Fluoride [mg/l]               | 0.60           | IS 3025 (Part 60) : 2008<br>RA 2013 | 1.00  | 1.50   |
| 17   | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992<br>RA 2014 | 0.003   | -  |
| 18   | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988<br>RA 2014 | 0.01  | -  |
| 19   | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994<br>RA 2014 | 0.01  | -  |
| 20   | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994<br>RA 2014 | 5.00  | 15.00  |
| 21   | Alkalinity - T [mg/l]         | 256            | IS 3025 (Part 23) : 1986<br>RA 2014 | 200.00  | 600.00   |
| 22   | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003<br>RA 2014 | 0.03  | -  |
| 23   | Boron [mg/l]                  | 0.43           | IS 13428 (Annexure H)               | 0.5   | 1.0  |
| 24   | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA<br>2013  | Shall not be detectable in 100 ml sample              | -  |
| 25   | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012             | Shall not be detectable in 100 ml sample              | -  |
| 26   | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA<br>2014 | -   | -  |
| 27   | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986<br>RA 2014 | 0.2   | 1.0  |

Note:

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## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
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| S.No | Parameters                                 | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|--|----------------|-------------------------------------|---|--|
| 28   | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA : 2017 : 3111- B               | 0.05  | -  |
| 29   | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003<br>RA 2014 | 0.01  | -  |
| 30   | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994<br>RA 2014 | 0.001   | -  |
| 31   | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B                  | 0.0001  | -  |
| 32   | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992<br>RA 2014 | 0.001   | -  |
| 33   | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991<br>RA 2014 | 0.5   | -  |
| 34   | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986<br>RA 2014 | 0.05  | -  |
| 35   | Calcium Hardness [mg/l]                    | 268            | IS 3025 (Part 40) : 1991<br>RA 2014 | -   | -  |
| 36   | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                         | -   | -  |
| 37   | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)               | 0.20  | 1.00   |

**Notes :-**

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

*Puran Maurya*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No:TC502519100000460P)



# TEAM TEST HOUSE

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

## TEST REPORT

|                         |  |  |                                 |
|-------------------------|--|--|---------------------------------|
| Report No./ULR No. :    | TC502519100000459P   | Date :                                 | 11-04-2019                      |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil :<br>Banera., District : Bhilwara- 311802 (Rajasthan). | Type of Unit :                         | Mines                           |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 11-03-2019                      |
| Point of Collection :   | Village- Kamalpura (Govt. Supply)<br>[74°38'38"N 25°28'17"E]   | Date of Receipt :                      | 15-03-2019                      |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | IS 3025 : 1987 Part-1<br>RA2014 |
| Quantity of Sample :    | 5.0 liter  | Sample Collected By :                  | Parsa Ram Kudi                  |
| Unit's representative : | Shitanshu Pandey   | Condition of Sample :                  | Fit for testing                 |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.64           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 304            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 76             | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 609            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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*Ref*



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### RESULTS

Lab : G1-584, Sitapura Industrial Area

S. No. Parameters

Scheme, Jaipur-302001  
Phone : 0141-2569980, 2771865  
Website : www.teamtesthouse.com

Observed Value

Testing Protocol

Tonk Road, JAIPUR, 302022 Raj

Requirement as per IS 10500:2012  
Acceptable Limit as per IS 10500:2012  
Possible Limit as per IS 10500:2012

absence of Alternate Sources as per IS 10500 : 2012

| S. No. | Parameters                    | Observed Value | Testing Protocol                 | Requirement as per IS 10500:2012         | Possible Limit as per IS 10500:2012 |
|--------|-------------------------------|----------------|----------------------------------|--|-------------------------------------|
| 10     | Calcium [mg/l]                | 56             | IS 3025 (Part 40) : 1991 RA 2014 | 75.00                                    | 200.00                              |
| 11     | Magnesium [mg/l]              | 39.85          | IS 3025 (Part 46) : 1994 RA 2014 | 30.00                                    | 100.00                              |
| 12     | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992 RA 2014 | 0.05                                     | 1.50                                |
| 13     | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006 RA 2017 | 0.1                                      | 0.3                                 |
| 14     | Sulphate [mg/l]               | 37.75          | IS 3025 (Part 24) : 1986 RA 2014 | 200.00                                   | 400.00                              |
| 15     | Nitrate [mg/l]                | 23.70          | IS 3025 (Part 34) : 1988 RA 2014 | 45.00                                    | -                                   |
| 16     | Fluoride [mg/l]               | 1.10           | IS 3025 (Part 60) : 2008 RA 2013 | 1.00                                     | 1.50                                |
| 17     | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992 RA 2014 | 0.003                                    | -                                   |
| 18     | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988 RA 2014 | 0.01                                     | -                                   |
| 19     | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994 RA 2014 | 0.01                                     | -                                   |
| 20     | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994 RA 2014 | 5.00                                     | 15.00                               |
| 21     | Alkalinity - T [mg/l]         | 216            | IS 3025 (Part 23) : 1986 RA 2014 | 200.00                                   | 600.00                              |
| 22     | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003 RA 2014 | 0.03                                     | -                                   |
| 23     | Boron [mg/l]                  | 0.35           | IS 13428 (Annexure H)            | 0.5                                      | 1.0                                 |
| 24     | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA 2013  | Shall not be detectable in 100 ml sample | -                                   |
| 25     | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012          | Shall not be detectable in 100 ml sample | -                                   |
| 26     | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA 2014 | -  | -                                   |
| 27     | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986 RA 2014 | 0.2                                      | 1.0                                 |

Note:

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## RESULTS

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10500 : 2012

absence of

Alternate

Sources as

per IS 10500 :

2012

| S.No | Parameters                                 | Observed Value | Testing Protocol                    | Requirement (Acceptable limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|--|----------------|-------------------------------------|---|--|
| 28   | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA : 2017 : 3111- B               | 0.05  | -  |
| 29   | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003<br>RA 2014 | 0.01  | -  |
| 30   | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994<br>RA 2014 | 0.001   | -  |
| 31   | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B                  | 0.0001  | -  |
| 32   | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992<br>RA 2014 | 0.001   | -  |
| 33   | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991<br>RA 2014 | 0.5   | -  |
| 34   | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986<br>RA 2014 | 0.05  | -  |
| 35   | Calcium Hardness [mg/l]                    | 140            | IS 3025 (Part 40) : 1991<br>RA 2014 | -   | -  |
| 36   | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                         | -   | -  |
| 37   | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)               | 0.20  | 1.00   |

**Notes :-**

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

  
**Purnan Mal Yodi**  
 Senior Analyst

  
**Rakesh Maheshwari**  
 Authorized Signatory

(Report No:TC50251910000459P )



# TEAM TEST HOUSE

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E-mail : director@teamtesthouse.com

## TEST REPORT

|                        |   |                                       |                                |
|------------------------|---|---------------------------------------|--------------------------------|
| Report No./ULR No.:    | TC502519100000458P  | Date:                                 | 11-04-2019                     |
| Issued To:             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil :<br>Banera, District : Bhilwara- 311802 (Rajasthan). | Type of Unit:                         | Mines                          |
| Type of Sample:        | Potable and Domestic Water  | Date of Sample Collection/Monitoring: | 11-03-2019                     |
| Point of Collection:   | Village Devpura ( Hand pump of School)<br>[74°38'00"N 25°26'53"E]   | Date of Receipt:                      | 15-03-2019                     |
| Date of Test/Analysis: | 15-03-2019 to 11-04-2019  | Sampling Plan:                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample:    | 5.0 liter   | Sample Collected By:                  | Parsa Ram Kudi                 |
| Unit's representative: | Shitanshu Pandey  | Condition of Sample:                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.31           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 420            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 106.41         | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 841            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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*Raj*



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

Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 10   | Calcium [mg/l]                | 99.2           | IS 3025 (Part 40) : 1991<br>RA 2014 | 75.00   | 200.00   |
| 11   | Magnesium [mg/l]              | 41.8           | IS 3025 (Part 46) : 1994<br>RA 2014 | 30.00   | 100.00   |
| 12   | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992<br>RA 2014 | 0.05  | 1.50   |
| 13   | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006<br>RA 2017 | 0.1   | 0.3  |
| 14   | Sulphate [mg/l]               | 58.12          | IS 3025 (Part 24) : 1986<br>RA 2014 | 200.00  | 400.00   |
| 15   | Nitrate [mg/l]                | 27.00          | IS 3025 (Part 34) : 1988<br>RA 2014 | 45.00   | -  |
| 16   | Fluoride [mg/l]               | 0.73           | IS 3025 (Part 60) : 2008<br>RA 2013 | 1.00  | 1.50   |
| 17   | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992<br>RA 2014 | 0.003   | -  |
| 18   | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988<br>RA 2014 | 0.01  | -  |
| 19   | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994<br>RA 2014 | 0.01  | -  |
| 20   | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994<br>RA 2014 | 5.00  | 15.00  |
| 21   | Alkalinity - T [mg/l]         | 284            | IS 3025 (Part 23) : 1986<br>RA 2014 | 200.00  | 600.00   |
| 22   | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003<br>RA 2014 | 0.03  | -  |
| 23   | Boron [mg/l]                  | 0.37           | IS 13428 (Annexure H)               | 0.5   | 1.0  |
| 24   | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA<br>2013  | Shall not be detectable in 100 ml sample              | -  |
| 25   | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012             | Shall not be detectable in 100 ml sample              | -  |
| 26   | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA<br>2014 | -   | -  |
| 27   | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986<br>RA 2014 | 0.2   | 1.0  |

Note:

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Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

### RESULTS

| S.No | Parameters                                 | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|--|----------------|----------------------------------|---|--|
| 28   | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA :2017 :3111- B              | 0.05  | -  |
| 29   | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003 RA 2014 | 0.01  | -  |
| 30   | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994 RA 2014 | 0.001   | -  |
| 31   | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B               | 0.0001  | -  |
| 32   | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992 RA 2014 | 0.001   | -  |
| 33   | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991 RA 2014 | 0.5   | -  |
| 34   | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986 RA 2014 | 0.05  | -  |
| 35   | Calcium Hardness [mg/l]                    | 248            | IS 3025 (Part 40) : 1991 RA 2014 | -   | -  |
| 36   | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                      | -   | -  |
| 37   | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)            | 0.20  | 1.00   |

**Notes :-**

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

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

*Rajesh*  
**Rajesh Maheshwar**  
Authorized Signatory

(Report No: TC502519ULR-TC502519100000458P )



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E-mail : director@teamtesthouse.com

## TEST REPORT

|                         |  |  |                                |
|-------------------------|--|--|--------------------------------|
| Report No./ULR No. :    | TC502519100000457P   | Date :                                 | 11-04-2019                     |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil ;<br>Banera., District : Bhilwara- 311802 (Rajasthan). | Type of Unit :                         | Mines                          |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 11-03-2019                     |
| Point of Collection :   | Village Jaliya (ater Storage Tank)<br>[74°38'22"N 25°26'31"E]  | Date of Receipt :                      | 15-03-2019                     |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample :    | 5.0 liter  | Sample Collected By :                  | Parsa Ram Kudi                 |
| Unit's representative : | Shitanshu Pandey   | Condition of Sample :                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.13           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 530            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 194.76         | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 1512           | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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Ph : 94602-22039, 94602-22049

### RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|----------------------------------|---|--|
| 10   | Calcium [mg/l]                | 144            | IS 3025 (Part 40) : 1991 RA 2014 | 75.00   | 200.00   |
| 11   | Magnesium [mg/l]              | 41.31          | IS 3025 (Part 46) : 1994 RA 2014 | 30.00   | 100.00   |
| 12   | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992 RA 2014 | 0.05  | 1.50   |
| 13   | Manganese [mg/l]              | BDL (<0.01)    | IS 3025 (Part 59) : 2006 RA 2017 | 0.1   | 0.3  |
| 14   | Sulphate [mg/l]               | 170.50         | IS 3025 (Part 24) : 1986 RA 2014 | 200.00  | 400.00   |
| 15   | Nitrate [mg/l]                | 36.70          | IS 3025 (Part 34) : 1988 RA 2014 | 45.00   | -  |
| 16   | Fluoride [mg/l]               | 0.87           | IS 3025 (Part 60) : 2008 RA 2013 | 1.00  | 1.50   |
| 17   | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992 RA 2014 | 0.003   | -  |
| 18   | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988 RA 2014 | 0.01  | -  |
| 19   | Lead [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 47) : 1994 RA 2014 | 0.01  | -  |
| 20   | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994 RA 2014 | 5.00  | 15.00  |
| 21   | Alkalinity - T [mg/l]         | 390            | IS 3025 (Part 23) : 1986 RA 2014 | 200.00  | 600.00   |
| 22   | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003 RA 2014 | 0.03  | 0.2  |
| 23   | Boron [mg/l]                  | 0.44           | IS 13428 (Annexure H)            | 0.5   | 1.0  |
| 24   | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA 2013  | Shall not be detectable in 100 ml sample              | -  |
| 25   | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012          | Shall not be detectable in 100 ml sample              | -  |
| 26   | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA 2014 | -   | -  |
| 27   | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986 RA 2014 | 0.2   | 1.0  |

Note:

Continue to next page...

*Prof*



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Lab. : G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph. : 94602-22039, 94602-22049

Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

### RESULTS

| S.No | Parameters                                 | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|--|----------------|----------------------------------|---|--|
| 28   | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA :2017 :3111- B              | 0.05  | -  |
| 29   | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003 RA 2014 | 0.01  | -  |
| 30   | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994 RA 2014 | 0.001   | -  |
| 31   | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B               | 0.0001  | -  |
| 32   | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992 RA 2014 | 0.001   | -  |
| 33   | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991 RA 2014 | 0.5   | -  |
| 34   | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986 RA 2014 | 0.05  | -  |
| 35   | Calcium Hardness [mg/l]                    | 360            | IS 3025 (Part 40) : 1991 RA 2014 | -   | -  |
| 36   | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                      | -   | -  |
| 37   | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)            | 0.20  | 1.00   |

Notes :-

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope.
- # Parameter No. NONE outsourced for testing.
- # 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.

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

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory

(Report No: TC502519ULR-TC502519100000457P )



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TC-5025

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Office : E-65, Chitranganj Marg,  
C-Scheme, Jaipur-302001

## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| Sl. No | Parameters                                 | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|--------|--|----------------|----------------------------------|---|--|
| 28     | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA : 2017 : 3111- B            | 0.05  | -  |
| 29     | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003 RA 2014 | 0.01  | -  |
| 30     | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994 RA 2014 | 0.001   | -  |
| 31     | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B               | 0.0001  | -  |
| 32     | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992 RA 2014 | 0.001   | -  |
| 33     | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991 RA 2014 | 0.5   | -  |
| 34     | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986 RA 2014 | 0.05  | -  |
| 35     | Calcium Hardness [mg/l]                    | 304            | IS 3025 (Part 40) : 1991 RA 2014 | -   | -  |
| 36     | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                      | -   | -  |
| 37     | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)            | 0.20  | 1.00   |

Notes :-

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope
- # Parameter No. NONE outsourced for testing.
- # 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.

*P. Yogi*

Senior Analyst

*Rajendra Singh*

Authorized Signatory  
(Report No:TC502519100000461P)



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

## TEST REPORT

|                        |  |                                       |                                |
|------------------------|--|---------------------------------------|--------------------------------|
| Report No./ULR No.:    | TC502519100000462P   | Date:                                 | 11-04-2019                     |
| Issued To:             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil<br>Banera., District : Bhilwara- 311802 (Rajasthan). | Type of Unit:                         | Mines                          |
| Type of Sample:        | Potable and Domestic Water   | Date of Sample Collection/Monitoring: | 11-03-2019                     |
| Point of Collection:   | Village-Mahua Khurd (Govt.high School T well)<br>[74°39'27"N 25°26'22"E]   | Date of Receipt:                      | 15-03-2019                     |
| Date of Test/Analysis: | 15-03-2019 to 11-04-2019   | Sampling Plan:                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample:    | 5.0 liter  | Sample Collected By:                  | Parsa Ram Kudi                 |
| Unit's representative: | Shitanshu Pandey   | Condition of Sample:                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.30           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 480            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 123.51         | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 811            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| Sl. No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|--------|-------------------------------|----------------|-------------------------------------|---|--|
| 10     | Calcium [mg/l]                | 113.6          | IS 3025 (Part 40) : 1991<br>RA 2014 | 75.00   | 200.00   |
| 11     | Magnesium [mg/l]              | 56.38          | IS 3025 (Part 46) : 1994<br>RA 2014 | 30.00   | 100.00   |
| 12     | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992<br>RA 2014 | 0.05  | 1.50   |
| 13     | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006<br>RA 2017 | 0.1   | 0.3  |
| 14     | Sulphate [mg/l]               | 74.37          | IS 3025 (Part 24) : 1986<br>RA 2014 | 200.00  | 400.00   |
| 15     | Nitrate [mg/l]                | 35.40          | IS 3025 (Part 34) : 1988<br>RA 2014 | 45.00   | -  |
| 16     | Fluoride [mg/l]               | 0.41           | IS 3025 (Part 60) : 2008<br>RA 2013 | 1.00  | 1.50   |
| 17     | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992<br>RA 2014 | 0.003   | -  |
| 18     | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988<br>RA 2014 | 0.01  | -  |
| 19     | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994<br>RA 2014 | 0.01  | -  |
| 20     | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994<br>RA 2014 | 5.00  | 15.00  |
| 21     | Alkalinity - T [mg/l]         | 224            | IS 3025 (Part 23) : 1986<br>RA 2014 | 200.00  | 600.00   |
| 22     | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003<br>RA 2014 | 0.03  | -  |
| 23     | Boron [mg/l]                  | 0.38           | IS 13428 (Annexure H)               | 0.5   | 1.0  |
| 24     | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA<br>2013  | Shall not be detectable in 100 ml sample              | -  |
| 25     | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012             | Shall not be detectable in 100 ml sample              | -  |
| 26     | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA<br>2014 | -   | -  |
| 27     | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986<br>RA 2014 | 0.2   | 1.0  |

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

## TEST REPORT

|                        |  |                                       |                                |
|------------------------|--|---------------------------------------|--------------------------------|
| Report No./ULR No.:    | TC502519100000462P   | Date:                                 | 11-04-2019                     |
| Issued To:             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil<br>Banera., District : Bhilwara- 311802 (Rajasthan). | Type of Unit:                         | Mines                          |
| Type of Sample:        | Potable and Domestic Water   | Date of Sample Collection/Monitoring: | 11-03-2019                     |
| Point of Collection:   | Village-Mahua Khurd (Govt.high School: T well)<br>[74°39'27"N 25°26'22"E]  | Date of Receipt:                      | 15-03-2019                     |
| Date of Test/Analysis: | 15-03-2019 to 11-04-2019   | Sampling Plan:                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample:    | 5.0 liter  | Sample Collected By:                  | Parsa Ram Kudi                 |
| Unit's representative: | Shitanshu Pandey   | Condition of Sample:                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.30           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 480            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 123.51         | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 811            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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### RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| Sl. No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012                                  |        |
|--------|-------------------------------|----------------|-------------------------------------|--|--------|
|        |                               |                |                                     | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |        |
| 10     | Calcium [mg/l]                | 113.6          | IS 3025 (Part 40) : 1991<br>RA 2014 | 75.00  | 200.00 |
| 11     | Magnesium [mg/l]              | 56.38          | IS 3025 (Part 46) : 1994<br>RA 2014 | 30.00  | 100.00 |
| 12     | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992<br>RA 2014 | 0.05   | 1.50   |
| 13     | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006<br>RA 2017 | 0.1  | 0.3    |
| 14     | Sulphate [mg/l]               | 74.37          | IS 3025 (Part 24) : 1986<br>RA 2014 | 200.00   | 400.00 |
| 15     | Nitrate [mg/l]                | 35.40          | IS 3025 (Part 34) : 1988<br>RA 2014 | 45.00  | -      |
| 16     | Fluoride [mg/l]               | 0.41           | IS 3025 (Part 60) : 2008<br>RA 2013 | 1.00   | 1.50   |
| 17     | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992<br>RA 2014 | 0.003  | -      |
| 18     | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988<br>RA 2014 | 0.01   | -      |
| 19     | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994<br>RA 2014 | 0.01   | -      |
| 20     | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994<br>RA 2014 | 5.00   | 15.00  |
| 21     | Alkalinity - T [mg/l]         | 224            | IS 3025 (Part 23) : 1986<br>RA 2014 | 200.00   | 600.00 |
| 22     | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003<br>RA 2014 | 0.03   | -      |
| 23     | Boron [mg/l]                  | 0.38           | IS 13428 (Annexure H)               | 0.5  | 1.0    |
| 24     | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA<br>2013  | Shall not be<br>detectable in 100<br>ml sample   | -      |
| 25     | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012             | Shall not be<br>detectable in 100<br>ml sample   | -      |
| 26     | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA<br>2014 | -  | -      |
| 27     | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986<br>RA 2014 | 0.2  | 1.0    |

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## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| S.No | Parameters                                 | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|--|----------------|-------------------------------------|---|--|
| 28   | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA :2017 :3111- B                 | 0.05  | -  |
| 29   | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003<br>RA 2014 | 0.01  | -  |
| 30   | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994<br>RA 2014 | 0.001   | -  |
| 31   | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B                  | 0.0001  | -  |
| 32   | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992<br>RA 2014 | 0.001   | -  |
| 33   | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991<br>RA 2014 | 0.5   | -  |
| 34   | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986<br>RA 2014 | 0.05  | -  |
| 35   | Calcium Hardness [mg/l]                    | 284            | IS 3025 (Part 40) : 1991<br>RA 2014 | -   | -  |
| 36   | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                         | -   | -  |
| 37   | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)               | 0.20  | 1.00   |

**Notes :-**

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope
- # Parameter No. NONE outsourced for testing
- # 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.

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

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No:TC502519100000462P )



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

## TEST REPORT

|                         |  |  |                                |
|-------------------------|--|--|--------------------------------|
| Report No./ULR No. :    | TC502519100000464P   | Date :                                 | 11-04-2019                     |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil :<br>Banera,, District : Bhilwara- 311802 (Rajasthan), | Type of Unit :                         | Mines                          |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 11-03-2019                     |
| Point of Collection :   | Village-Chamanpura<br>[74°37'13"N 25°26'44"E]  | Date of Receipt :                      | 15-03-2019                     |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample :    | 5.0 liter  | Sample Collected By :                  | Parsa Ram Kudi                 |
| Unit's representative : | Shitanshu Pandey   | Condition of Sample :                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.38           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 208            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 20.9           | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 396            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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Raj



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Office : E-65, Chitrangan Marg,  
C-Scheme, Jaipur-302001

## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| Sl. No | Parameters   | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|--------|--|----------------|-------------------------------------|---|--|
|        | IS No: P/080, 2771865<br>Website : www.teamtesthouse.com |                |                                     |   |  |
| 10     | Calcium [mg/l]   | 35.2           | IS 3025 (Part 40) : 1991<br>RA 2014 | 75.00   | 200.00   |
| 11     | Magnesium [mg/l]   | 29.16          | IS 3025 (Part 46) : 1994<br>RA 2014 | 30.00   | 100.00   |
| 12     | Copper [mg/l]  | BDL(<0.01)     | IS 3025 (Part 42) : 1992<br>RA 2014 | 0.05  | 1.50   |
| 13     | Manganese [mg/l]   | BDL(<0.01)     | IS 3025 (Part 59) : 2006<br>RA 2017 | 0.1   | 0.3  |
| 14     | Sulphate [mg/l]  | 24.12          | IS 3025 (Part 24) : 1986<br>RA 2014 | 200.00  | 400.00   |
| 15     | Nitrate [mg/l]   | 2.75           | IS 3025 (Part 34) : 1988<br>RA 2014 | 45.00   | -  |
| 16     | Fluoride [mg/l]  | 0.85           | IS 3025 (Part 60) : 2008<br>RA 2013 | 1.00  | 1.50   |
| 17     | Cadmium [mg/l]   | BDL(<0.001)    | IS 3025 (Part 41) : 1992<br>RA 2014 | 0.003   | -  |
| 18     | Arsenic [mg/l]   | BDL(<0.001)    | IS 3025 (Part 37) : 1988<br>RA 2014 | 0.01  | -  |
| 19     | Lead [mg/l]  | BDL(<0.01)     | IS 3025 (Part 47) : 1994<br>RA 2014 | 0.01  | -  |
| 20     | Zinc [mg/l]  | BDL (<0.01)    | IS 3025 (Part 49) : 1994<br>RA 2014 | 5.00  | 15.00  |
| 21     | Alkalinity - T [mg/l]                                    | 260            | IS 3025 (Part 23) : 1986<br>RA 2014 | 200.00  | 600.00   |
| 22     | Aluminum [mg/l]  | BDL(<0.01)     | IS 3025 (Part 55) : 2003<br>RA 2014 | 0.03  | -  |
| 23     | Boron [mg/l]   | 0.45           | IS 13428 (Annexure H)               | 0.5   | 1.0  |
| 24     | E-coli [MPN/100ml]                                       | BDL            | IS 5887 (Part 1) : 1976 RA<br>2013  | Shall not be<br>detectable in 100<br>ml sample        | -  |
| 25     | Total coliform [MPN/100ml]                               | BDL            | IS 5401 (Part 2) : 2012             | Shall not be<br>detectable in 100<br>ml sample        | -  |
| 26     | Suspended Solids [mg/l]                                  | Less than 1    | IS 3025 (part 15) : 1984 RA<br>2014 | -   | -  |
| 27     | Free Residual Chlorine [mg/l]                            | BDL(<0.1)      | IS 3025 (Part 26) : 1986<br>RA 2014 | 0.2   | 1.0  |

Note:

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C.Scheme, Jaipur-302001

## RESULTS

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.

| S.No | Parameters                                 | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|--|----------------|-------------------------------------|---|--|
| 28   | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA : 2017 : 3111- B               | 0.05  | -  |
| 29   | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003<br>RA 2014 | 0.01  | -  |
| 30   | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994<br>RA 2014 | 0.001   | -  |
| 31   | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B                  | 0.0001  | -  |
| 32   | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992<br>RA 2014 | 0.001   | -  |
| 33   | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991<br>RA 2014 | 0.5   | -  |
| 34   | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986<br>RA 2014 | 0.05  | -  |
| 35   | Calcium Hardness [mg/l]                    | 88             | IS 3025 (Part 40) : 1991<br>RA 2014 | -   | -  |
| 36   | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                         | -   | -  |
| 37   | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)               | 0.20  | 1.00   |

**Notes:-**

- # Parameter No: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope
- # Parameter No. NONE outsourced for testing.
- # 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.

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

*Rajesh*  
**Rajesh Maheshwan**  
Authorized Signatory  
(Report No:TC502519100000464P)



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

## TEST REPORT

|                         |  |  |                                |
|-------------------------|--|--|--------------------------------|
| Report No./JLR No. :    | TC502519100000463P   | Date :                                 | 11-04-2019                     |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil :<br>Banera,, District : Bhilwara- 311802 (Rajasthan). | Type of Unit :                         | Mines                          |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 13-03-2019                     |
| Point of Collection :   | Village-Mandal<br>[74°34'05"N 25°26'60"E]  | Date of Receipt :                      | 15-03-2019                     |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample :    | 5.0 liter  | Sample Collected By :                  | Parsa Ram Kudi                 |
| Unit's representative : | Shitanshu Pardey   | Condition of Sample :                  | Fit for testing                |

## RESULTS

| S.No. | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|-------|-------------------------------|----------------|-------------------------------------|---|--|
| 1     | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2     | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3     | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4     | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5     | pH                            | 7.34           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6     | Hardness (total) [mg/l]       | 424            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7     | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8     | Chloride [mg/l]               | 144.41         | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9     | Total Dissolved Solids [mg/l] | 902            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

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

### RESULTS

| Sl. No | Parameters                    | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|--------|-------------------------------|----------------|----------------------------------|---|--|
| 10     | Calcium [mg/l]                | 113.6          | IS 3025 (Part 40) : 1991 RA 2014 | 75.00   | 200.00   |
| 11     | Magnesium [mg/l]              | 34.02          | IS 3025 (Part 46) : 1994 RA 2014 | 30.00   | 100.00   |
| 12     | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992 RA 2014 | 0.05  | 1.50   |
| 13     | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006 RA 2017 | 0.1   | 0.3  |
| 14     | Sulphate [mg/l]               | 158.25         | IS 3025 (Part 24) : 1986 RA 2014 | 200.00  | 400.00   |
| 15     | Nitrate [mg/l]                | 33.20          | IS 3025 (Part 34) : 1988 RA 2014 | 45.00   | -  |
| 16     | Fluoride [mg/l]               | 1.18           | IS 3025 (Part 60) : 2008 RA 2013 | 1.00  | 1.50   |
| 17     | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992 RA 2014 | 0.003   | -  |
| 18     | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988 RA 2014 | 0.01  | -  |
| 19     | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994 RA 2014 | 0.01  | -  |
| 20     | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994 RA 2014 | 5.00  | 15.00  |
| 21     | Alkalinity - T [mg/l]         | 304            | IS 3025 (Part 23) : 1986 RA 2014 | 200.00  | 600.00   |
| 22     | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003 RA 2014 | 0.03  | 0.2  |
| 23     | Boron [mg/l]                  | 0.45           | IS 13428 (Annexure H)            | 0.5   | 1.0  |
| 24     | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA 2013  | Shall not be detectable in 100 ml sample              | -  |
| 25     | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012          | Shall not be detectable in 100 ml sample              | -  |
| 26     | Suspended Solids [mg/l]       | Less than 1    | IS 3025 (part 15) : 1984 RA 2014 | -   | -  |
| 27     | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986 RA 2014 | 0.2   | 1.0  |

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Phone : 0141-2369980, 2771865

Lab.: G1-584, Sitapura Industrial Area  
Tonk Road, JAIPUR-302022 Raj.  
Ph. : 94602-22039, 94602-22049

### RESULTS

| Sl.No | Parameters                                 | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|-------|--|----------------|----------------------------------|---|--|
| 28    | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA :2017 :3111- B              | 0.05  | -  |
| 29    | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003 RA 2014 | 0.01  | -  |
| 30    | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994 RA 2014 | 0.001   | -  |
| 31    | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B               | 0.0001  | -  |
| 32    | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992 RA 2014 | 0.001   | -  |
| 33    | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991 RA 2014 | 0.5   | -  |
| 34    | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986 RA 2014 | 0.05  | -  |
| 35    | Calcium Hardness [mg/l]                    | 284            | IS 3025 (Part 40) : 1991 RA 2014 | -   | -  |
| 36    | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                      | -   | -  |
| 37    | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)            | 0.20  | 1.00   |

Notes:-

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope
- # Parameter No. NONE outsourced for testing.
- # 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.

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

*Rajesh Maheshwari*  
**Rajesh Maheshwari**  
Authorized Signatory

(Report No: TC502519ULR-TC50251910000463P)



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

## TEST REPORT

Report No : W/41  
Date : 11/04/2019  
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 : Water Level Measurement  
Date of Measurement : 11/03/2019  
Date of Test : 11/03/2019  
Water Level Measured By : Parsaram Kudi

## RESULTS

| S.No | Location           | Water Level in Meters |
|------|--------------------|-----------------------|
| 1    | Lampiya Village    | 21.09                 |
| 2    | Devpura Village    | 17.21                 |
| 3    | Jaliya Village     | 19.17                 |
| 4    | Kamalpura Village  | 10.20                 |
| 5    | Mahua Khurd        | 16.85                 |
| 6    | Banera Village     | 19.05                 |
| 7    | Chimanpura Village | 12.15                 |
| 8    | Mandal village     | 16.85                 |

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.

  
Purni Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: W/41)



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E-mail : director@teamtesthouse.com

## TEST REPORT

|                         |  |  |                                |
|-------------------------|--|--|--------------------------------|
| Report No./ULR No. :    | TC502519100000465P   | Date :                                 | 11-04-2019                     |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village - Lampiya Tehsil :<br>Banera,, District : Bhitwara- 311802 (Rajasthan), | Type of Unit :                         | Mines                          |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 13-03-2019                     |
| Point of Collection :   | Mandal pond [74°34'03"N 25°27'00"E]  | Date of Receipt :                      | 15-03-2019                     |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | IS 3025 :1987 Part-1<br>RA2014 |
| Quantity of Sample :    | 5.0 liter  | Sample Collected By :                  | Parsa Ram Kudi                 |
| Unit's representative : | Shitanshu Pandey   | Condition of Sample :                  | Fit for testing                |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 8.06           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 124            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 64.6           | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 310            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

Note:

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Ph : 94602-22039, 94602-22049

Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|----------------------------------|---|--|
| 10   | Calcium [mg/l]                | 33.6           | IS 3025 (Part 40) : 1991 RA 2014 | 75.00   | 200.00   |
| 11   | Magnesium [mg/l]              | 9.72           | IS 3025 (Part 46) : 1994 RA 2014 | 30.00   | 100.00   |
| 12   | Copper [mg/l]                 | BDL (<0.01)    | IS 3025 (Part 42) : 1992 RA 2014 | 0.05  | 1.50   |
| 13   | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006 RA 2017 | 0.1   | 0.3  |
| 14   | Sulphate [mg/l]               | 21.62          | IS 3025 (Part 24) : 1986 RA 2014 | 200.00  | 400.00   |
| 15   | Nitrate [mg/l]                | 5.98           | IS 3025 (Part 34) : 1988 RA 2014 | 45.00   | -  |
| 16   | Fluoride [mg/l]               | 0.54           | IS 3025 (Part 60) : 2008 RA 2013 | 1.00  | 1.50   |
| 17   | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992 RA 2014 | 0.003   | -  |
| 18   | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988 RA 2014 | 0.01  | -  |
| 19   | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994 RA 2014 | 0.01  | -  |
| 20   | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994 RA 2014 | 5.00  | 15.00  |
| 21   | Alkalinity - T [mg/l]         | 124            | IS 3025 (Part 23) : 1986 RA 2014 | 200.00  | 600.00   |
| 22   | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003 RA 2014 | 0.03  | 0.2  |
| 23   | Boron [mg/l]                  | 0.40           | IS 13428 (Annexure H)            | 0.5   | 1.0  |
| 24   | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA 2013  | Shall not be detectable in 100 ml sample              | -  |
| 25   | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012          | Shall not be detectable in 100 ml sample              | -  |
| 26   | Suspended Solids [mg/l]       | 12             | IS 3025 (part 15) : 1984 RA 2014 | -   | -  |
| 27   | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986 RA 2014 | 0.2   | 1.0  |

Note:

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### RESULTS

| Sl.No | Parameters                                 | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|-------|--|----------------|----------------------------------|---|--|
| 28    | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA :2017 :3111- B              | 0.05  | -  |
| 29    | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003 RA 2014 | 0.01  | -  |
| 30    | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994 RA 2014 | 0.001   | -  |
| 31    | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B               | 0.0001  | -  |
| 32    | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992 RA 2014 | 0.001   | -  |
| 33    | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991 RA 2014 | 0.5   | -  |
| 34    | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986 RA 2014 | 0.05  | -  |
| 35    | Calcium Hardness [mg/l]                    | 84             | IS 3025 (Part 40) : 1991 RA 2014 | -   | -  |
| 36    | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                      | -   | -  |
| 37    | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)            | 0.20  | 1.00   |

**Notes:-**

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope.
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*Puran Mal Yogi*  
Puran Mal Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory

(Report No: TC502519ULR-TC502519100000465P )



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E-mail : director@teamtesthouse.com

## TEST REPORT

|                         |  |  |                 |
|-------------------------|--|--|-----------------|
| Report No./ULR No.:     | TC502519ULR-TC502519100000466P   | Date :                                 | 11-04-2019      |
| Issued To :             | M/S Jindal Saw Limited (Lampiya Mines)<br>ML No. 627/05, Village : Lampiya Tehsil :<br>Banera., District : Bhilwara- 311802 (Rajasthan). | Type of Unit :                         | Mines           |
| Type of Sample :        | Potable and Domestic Water   | Date of Sample Collection/Monitoring : | 13-03-2019      |
| Point of Collection :   | Chimanpura Pond  | Date of Receipt :                      | 15-03-2019      |
| Date of Test/Analysis : | 15-03-2019 to 11-04-2019   | Sampling Plan :                        | Not Available   |
| Quantity of Sample :    | -  | Sample Collected By :                  | Parsa Ram Kudi  |
| Unit's representative : | Shitanshu Pandey   | Condition of Sample :                  | Fit for testing |

## RESULTS

| S.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|------|-------------------------------|----------------|-------------------------------------|---|--|
| 1    | Color [Hazen]                 | Less than 5.0  | IS 3025 (Part 4) : 1983 RA 2017     | 5.00  | 15.00  |
| 2    | Odour                         | Agreeable      | IS 3025 (Part 5) : 1983 RA 2017     | Agreeable   | -  |
| 3    | Taste                         | Agreeable      | IS 3025 (Part 7 & 8) : 1984 RA 2017 | Agreeable   | -  |
| 4    | Turbidity [NTU]               | BDL(<0.1)      | IS 3025 (Part 10) : 1984 RA 2017    | 1.00  | 5.00   |
| 5    | pH                            | 7.56           | IS 3025 (Part 11) : 1984 RA 2017    | 6.50 - 8.50   | -  |
| 6    | Hardness (total) [mg/l]       | 116            | IS 3025 (Part 21) : 1983 RA 2014    | 200.00  | 600.00   |
| 7    | Iron [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 53) : 2003 RA 2014    | 0.3   | -  |
| 8    | Chloride [mg/l]               | 20.9           | IS 3025 (Part 32) : 1988 RA 2014    | 250.00  | 1000.00  |
| 9    | Total Dissolved Solids [mg/l] | 203            | IS 3025 (Part 16) : 1984 RA 2017    | 500.00  | 2000.00  |

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

### RESULTS

| Sl.No | Parameters                    | Observed Value | Testing Protocol                    | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|-------|-------------------------------|----------------|-------------------------------------|---|--|
| 10    | Calcium [mg/l]                | 30.4           | IS 3025 (Part 40) : 1991<br>RA 2014 | 75.00   | 200.00   |
| 11    | Magnesium [mg/l]              | 9.72           | IS 3025 (Part 46) : 1994<br>RA 2014 | 30.00   | 100.00   |
| 12    | Copper [mg/l]                 | BDL(<0.01)     | IS 3025 (Part 42) : 1992<br>RA 2014 | 0.05  | 1.50   |
| 13    | Manganese [mg/l]              | BDL(<0.01)     | IS 3025 (Part 59) : 2006<br>RA 2017 | 0.1   | 0.3  |
| 14    | Sulphate [mg/l]               | 20.75          | IS 3025 (Part 24) : 1986<br>RA 2014 | 200.00  | 400.00   |
| 15    | Nitrate [mg/l]                | 6.91           | IS 3025 (Part 34) : 1988<br>RA 2014 | 45.00   | -  |
| 16    | Fluoride [mg/l]               | 0.79           | IS 3025 (Part 60) : 2008<br>RA 2013 | 1.00  | 1.50   |
| 17    | Cadmium [mg/l]                | BDL(<0.001)    | IS 3025 (Part 41) : 1992<br>RA 2014 | 0.003   | -  |
| 18    | Arsenic [mg/l]                | BDL(<0.001)    | IS 3025 (Part 37) : 1988<br>RA 2014 | 0.01  | -  |
| 19    | Lead [mg/l]                   | BDL(<0.01)     | IS 3025 (Part 47) : 1994<br>RA 2014 | 0.01  | -  |
| 20    | Zinc [mg/l]                   | BDL (<0.01)    | IS 3025 (Part 49) : 1994<br>RA 2014 | 5.00  | 15.00  |
| 21    | Alkalinity - T [mg/l]         | 100            | IS 3025 (Part 23) : 1986<br>RA 2014 | 200.00  | 600.00   |
| 22    | Aluminum [mg/l]               | BDL(<0.01)     | IS 3025 (Part 55) : 2003<br>RA 2014 | 0.03  | 0.2  |
| 23    | Boron [mg/l]                  | 0.36           | IS 13428 (Annexure H)               | 0.5   | 1.0  |
| 24    | E-coli [MPN/100ml]            | BDL            | IS 5887 (Part 1) : 1976 RA<br>2013  | Shall not be detectable in 100 ml sample              | -  |
| 25    | Total coliform [MPN/100ml]    | BDL            | IS 5401 (Part 2) : 2012             | Shall not be detectable in 100 ml sample              | -  |
| 26    | Suspended Solids [mg/l]       | 11             | IS 3025 (part 15) : 1984 RA<br>2014 | -   | -  |
| 27    | Free Residual Chlorine [mg/l] | BDL(<0.1)      | IS 3025 (Part 26) : 1986<br>RA 2014 | 0.2   | 1.0  |

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### RESULTS

| Sl.No | Parameters                                 | Observed Value | Testing Protocol                 | Requirement (Acceptable Limit) as per IS 10500 : 2012 | Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012 |
|-------|--|----------------|----------------------------------|---|--|
| 28    | Total Chromium [mg/l]                      | BDL(<0.01)     | APHA :2017 :3111- B              | 0.05  | -  |
| 29    | selenium [mg/l]                            | BDL(<0.01)     | IS 3025 (Part 56) : 2003 RA 2014 | 0.01  | -  |
| 30    | Mercury [mg/l]                             | BDL(<0.001)    | IS 3025 (Part 48) : 1994 RA 2014 | 0.001   | -  |
| 31    | Polynuclear aromatic Hydrocarbon [mg/l]    | BDL(<0.0001)   | APHA 2017 : 6440 B               | 0.0001  | -  |
| 32    | Phenolic Compound [mg/l]                   | BDL(<0.001)    | IS 3025 (Part 43) : 1992 RA 2014 | 0.001   | -  |
| 33    | Mineral oil [mg/l]                         | BDL(<0.5)      | IS 3025 (Part 39) : 1991 RA 2014 | 0.5   | -  |
| 34    | Cyanide [mg/l]                             | BDL(<0.01)     | IS 3025 (Part 27) : 1986 RA 2014 | 0.05  | -  |
| 35    | Calcium Hardness [mg/l]                    | 76             | IS 3025 (Part 40) : 1991 RA 2014 | -   | -  |
| 36    | Pesticides [mg/l]                          | Not Detected   | APHA : 2017                      | -   | -  |
| 37    | Anionic Surface Detergents as MBA's [mg/l] | BDL(<0.1)      | IS 13428 (Annexure K)            | 0.20  | 1.00   |

**Notes :-**

- # Parameter No. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,33,34,35,37 covered under NABL scope and Parameter No. 31,36 does not cover under NABL scope.
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**Puran Mal Yogi**  
Senior Analyst

**Authorised Signatory**

(Report No: TC502519ULR-TC502519100000466P)



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E-mail : director@teamtesthouse.com

## TEST REPORT

Report No: A/3631  
Job Identification : ULR-TC502519400000716  
Date : 29-03-2019  
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 : Fugitive Emission Quality Monitoring  
Date of Sample Collection/Monitoring : 13-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Ore Storage & Loading Point [74°38'03"N 25°26'32"E]

## RESULTS

| S.No | Parameters                                     | Observed Value | Testing Protocol                           |
|------|--|----------------|--|
| 1    | Suspended Particulate Matter<br>[microgram/m3] | 368.38         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 |

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Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/3631)



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## TEST REPORT

Report No. : A/3632  
Job Identification. : ULR-TC502519400000717  
Date : 29-03-2019  
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 : Fugitive Emission Quality Monitoring  
Date of Sample Collection/Monitoring : 13-03-2019  
Date of Sample Receipt : 15-03-2019  
Date of Test : 15-03-2019 to 29-03-2019  
Sample Collected By : Parsa Ram Kudi  
Point of Collection : Hual Road [74°38'03"N25°26'22"E]

## RESULTS

| S.No | Parameters  | Observed Value | Testing Protocol                           |
|------|---|----------------|--|
| 1    | Suspended Particulate Matter<br>[microgram/m <sup>3</sup> ] | 430.07         | IS 5182 (Part 4) : 1999<br>Reaffirmed 2014 |

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Puran Mal Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: A/3632)



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Report No. N/1811  
Date 29/03/2019  
Issued to M/s. Jindal Saw Limited (Lampiya Mines)  
M L No. 627/05, Village – Lampiya, Tehsil- Banera,  
District – Bhilwara – 311802 (Rajasthan)  
Type of Unit Mines  
Date of Monitoring 09/03/2019 to 13/03/2019  
Date of Sample Receipt 15/03/2019  
Date of Test 15/03/2019  
Sample Collected by Sitaram Jangid  
Type of Monitoring Ambient Noise Monitoring

## RESULTS

| Sr. No. | Point Of Monitoring                       | Observed value [ Leq dB (A)] Day Time | Observed value [ Leq dB (A)] Night Time |
|---------|---|---------------------------------------|---|
| 1.      | Lampiya Village [74°40'30"N25°27'41"E]    | 53.2                                  | 40.5                                    |
| 2.      | Jaliya Village [74°38'26"N25°26'31"E]     | 50.7                                  | 38.6                                    |
| 3.      | Devpura Village [74°37'56"N25°28'18"E]    | 52.4                                  | 41.3                                    |
| 4.      | Kamalpura Village [74°38'44"N25°28'18"E]  | 48.5                                  | 37.8                                    |
| 5.      | Baneda Village [74°41'18"N25°30'07"E]     | 50.6                                  | 39.6                                    |
| 6.      | Chamanpura Village [74°37'15"N25°26'47"E] | 52.3                                  | 40.5                                    |
| 7.      | Mandal Village [74°34'03"N25°26'35"E]     | 53.5                                  | 42.8                                    |
| 8.      | Mahua khurd [74°39'27"N25°26'27"E]        | 52.8                                  | 43.5                                    |
| 9.      | Haul Road [74°38'03"N25°26'22"E]          | 65.4                                  | 57.3                                    |
| 10.     | Ore storage Yard [74°38'03"N25°26'32"E]   | 60.7                                  | 51.5                                    |

### Standard Limits [in dB (A)] Leq

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

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