



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

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chitranjan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------------|--|--|--------------------------------------|
| Report No./ULR No. : | TC502523400000255 | Date : | 15-02-2023 |
| Issued To : | M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan). | Type of Unit : | Pellet unit |
| Type of sample / Discipline : | Ambient Air Quality Monitoring / Chemical | Date of Sample Collection/Monitoring : | 03-02-2023 12:22 to 04-02-2023 12:22 |
| Point of Collection : | Near Staff Canteen [25°19'00" N 74°32'30" E] | Date of Receipt : | 08-02-2023 |
| Date of Test/Analysis : | 08-02-2023 to 15-02-2023 | Sampling Plan : | IS 5182:2000(Part 14)RA 2014 |
| Quantity of Sample : | - | Sample Collected By : | Banwari Lal Kumawat |
| Unit's representative : | Mr Shitanshu Pandey | Condition of Sample : | Fit for testing |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1 | Carbon Monoxide [microgram/m3] | 410 | TTH/AAQM/08 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 13.15 | IS 5182 (Part 6) : 2006 Reaffirmed 2017 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 170.14 | IS 5182 (Part 4) : 1999 RA 2019 | Not Specified |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 36.94 | IS 5182 (Part 24) : 2019 | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 5.22 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 81.15 | IS 5182 (Part 23)-2006 RA 2017 | 100.00 |

Notes :-

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

Pooja Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523400000255)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------------|--|--|--------------------------------------|
| Report No./ULR No. : | TC502523400000253 | Date : | 15-02-2023 |
| Issued To : | M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan), | Type of Unit : | Pellet unit |
| Type of sample / Discipline : | Ambient Air Quality Monitoring / Chemical | Date of Sample Collection/Monitoring : | 03-02-2023 12:20 to 04-02-2023 12:20 |
| Point of Collection : | Tiranga House [25°18'975 N 074°32'306 E] | Date of Receipt : | 08-02-2023 |
| Date of Test/Analysis : | 08-02-2023 to 15-02-2023 | Sampling Plan : | IS 5182:2000(Part 14)RA 2014 |
| Quantity of Sample : | - | Sample Collected By : | Banwari Lal Kumawat |
| Unit's representative : | Mr Shitanshu Pandey | Condition of Sample : | Fit for testing |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1 | Carbon Monoxide [microgram/m ³] | 450 | TTH/AAQM/08 | 4000 |
| 2 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 14.83 | IS 5182 (Part 6) : 2006 Reaffirmed 2017 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m ³] | 188.29 | IS 5182 (Part 4) : 1999 RA 2019 | Not Specified |
| 4 | Particulate Matter (PM _{2.5}) [microgram/m ³] | 45.23 | IS 5182 (Part 24) : 2019 | 60.00 |
| 5 | Sulphur Dioxide [microgram/m ³] | 6.12 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 6 | Particulate Matter (PM ₁₀) [microgram/m ³] | 84.8 | IS 5182 (Part 23)-2006 RA 2017 | 100.00 |

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523400000253)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------------|--|--|--------------------------------------|
| Report No./ULR No. : | TC502523400000254 | Date : | 15-02-2023 |
| Issued To : | M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan), | Type of Unit : | Pellet unit |
| Type of sample / Discipline : | Ambient Air Quality Monitoring / Chemical | Date of Sample Collection/Monitoring : | 03-02-2023 12:21 to 04-02-2023 12:21 |
| Point of Collection : | Switch Yard Station [25°19'27" N 74°32'36" E] | Date of Receipt : | 08-02-2023 |
| Date of Test/Analysis : | 08-02-2023 to 15-02-2023 | Sampling Plan : | IS 5182:2000(Part 14)RA 2014 |
| Quantity of Sample : | - | Sample Collected By : | Banwari Lal Kumawat |
| Unit's representative : | Mr Shitanshu Pandey | Condition of Sample : | Fit for testing |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1 | Carbon Monoxide [microgram/m3] | 390 | TTH/AAQM/08 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 13.18 | IS 5182 (Part 6) : 2006 Reaffirmed 2017 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 165.07 | IS 5182 (Part 4) : 1999 RA 2019 | Not Specified |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 38.28 | IS 5182 (Part 24) : 2019 | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 4.86 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 76.95 | IS 5182 (Part 23)-2006 RA 2017 | 100.00 |

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523400000254)



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TEST REPORT

| | | | |
|-------------------------------|--|--|--------------------------------------|
| Report No./ULR No. : | TC50252340000256 | Date : | 15-02-2023 |
| Issued To : | M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan), | Type of Unit : | Pellet unit |
| Type of sample / Discipline : | Ambient Air Quality Monitoring / Chemical | Date of Sample Collection/Monitoring : | 03-02-2023 12:23 to 04-02-2023 12:23 |
| Point of Collection : | BFN Plant B [74°32'21"N,25°19'10"E] | Date of Receipt : | 08-02-2023 |
| Date of Test/Analysis : | 08-02-2023 to 15-02-2023 | Sampling Plan : | IS 5182:2000(Part 14)RA 2014 |
| Quantity of Sample : | - | Sample Collected By : | Banwari Lal Kumawat |
| Unit's representative : | Mr Shitanshu Pandey | Condition of Sample : | Fit for testing |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol | Limits as per National Ambient Air Quality Standard, 2009 |
|------|---|----------------|---|---|
| 1 | Carbon Monoxide [microgram/m3] | 370 | TTH/AAQM/08 | 4000 |
| 2 | Nitrogen Dioxide as NO2 [microgram/m3] | 13.21 | IS 5182 (Part 6) : 2006 Reaffirmed 2017 | 80.00 |
| 3 | Suspended Particulate Matter (SPM) [microgram/m3] | 166.02 | IS 5182 (Part 4) : 1999 RA 2019 | Not Specified |
| 4 | Particulate Matter (PM2.5) [microgram/m3] | 41.24 | IS 5182 (Part 24) : 2019 | 60.00 |
| 5 | Sulphur Dioxide [microgram/m3] | 5.38 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 6 | Particulate Matter (PM 10) [microgram/m3] | 83.26 | IS 5182 (Part 23)-2006 RA 2017 | 100.00 |

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Puran
Puran Mal Yogi
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: TC50252340000256)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------------|--|--|------------------------------|
| Report No./ULR No. : | TC502523500000120 | Date : | 16-02-2023 |
| Issued To : | M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan). | Type of Unit : | Pellet unit |
| Type of sample / Discipline : | Stack Emission Level / Chemical | Date of Sample Collection/Monitoring : | 04-02-2023 |
| Point of Collection : | Rotry Kiln [74°32'24"N 25°19'6"E] | Date of Receipt : | 08-02-2023 |
| Date of Test/Analysis : | 08-02-2023 to 15-02-2023 | Sampling Plan : | IS 11255:2008(Part 3)RA 2018 |
| Quantity of Sample : | - | Sample Collected By : | Banwari Lal Kumawat |
| Unit's representative : | Mr Shitanshu Pandey | Condition of Sample : | Fit for testing |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol |
|------|--|----------------|--|
| 1 | Particulate matter [mg/Nm ³] | 38.95 | IS 11255 (Part 1):1985 Reaffirmed 2014 |
| 2 | Stack Gas Velocity [m/sec] | 6.93 | CPCB Guidelines |

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Senior Analyst


Rajesh Maheshwan
Authorized Signatory

(Report No: TC502523500000120)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------------|--|--|--------------------------------------|
| Report No./ULR No. : | TC50252350000121 | Date : | 16-02-2023 |
| Issued To : | M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan), | Type of Unit : | Pellet unit |
| Type of sample / Discipline : | Stack Emission Level / Chemical | Date of Sample Collection/Monitoring : | 03-02-2023 12:25 to 04-02-2023 12:25 |
| Point of Collection : | Coal Mill Stack [74°32'28"N 25°19'8"E] | Date of Receipt : | 08-02-2023 |
| Date of Test/Analysis : | 08-02-2023 to 15-02-2023 | Sampling Plan : | IS 11255:2008(Part 3)RA 2018 |
| Quantity of Sample : | - | Sample Collected By : | Banwari Lal Kumawat |
| Unit's representative : | Mr Shitanshu Pandey | Condition of Sample : | Fit for testing |

RESULTS

| S.No | Parameters | Observed Value | Testing Protocol |
|------|--|----------------|--|
| 1 | Particulate matter [mg/Nm ³] | 44.62 | IS 11255 (Part 1):1985 Reaffirmed 2014 |
| 2 | Stack Gas Velocity [m/sec] | 20.71 | CPCB Guidelines |

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Puraj
Puraj Mai Yogi
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory

(Report No: TC50252350000121)