



# 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

NABL

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

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## TEST REPORT

Report No./ULR No. :	TC502519400003183F	Date :	26-11-2019
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 :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-11-2019
Point of Collection :	Near Staff Canteen front off CCR Building (74°32'30"N,25°19'0"E)	Date of Receipt :	20-11-2019
Date of Test/Analysis :	20-11-2019 to 26-11-2019	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
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	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	340	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	15.17	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	265.69	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	43.23	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.93	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	88.05	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

- # Parameter No. 1,2,3,4,5,6 covered under NABL scope and Parameter No. NONE 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.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

  
Ruran Mal Yogi  
Senior Analyst

  
K.N. Mukhophadyay  
Authorized Signatory  
(Report No: TC502519400003183F )



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## TEST REPORT

Report No./ULR No. :	TC502519400003181F	Date :	26-11-2019
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 :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	18-11-2019
Point of Collection :	Tiranga House [25°18'975 N 074°32'306 E]	Date of Receipt :	20-11-2019
Date of Test/Analysis :	20-11-2019 to 26-11-2019	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Parsa Ram Kudi
Unit's representative :	Shitanshu Pandey	Condition of Sample :	Fit for testing

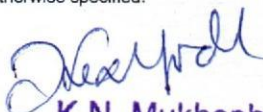
## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	240	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.87	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	225.3	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.09	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.52	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	79.74	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

### Notes :-

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**Puran Mal Yogi**  
Senior Analyst

  
**K.N. Mukhonhadvay**  
Authorized Signatory  
(Report No: TC502519400003181F)



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## TEST REPORT

Report No./ULR No. :	TC502519400003182F	Date :	26-11-2019
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 :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-11-2019
Point of Collection :	Switchyard Station (74°32'36"N,25°19'27"E)	Date of Receipt :	20-11-2019
Date of Test/Analysis :	20-11-2019 to 26-11-2019	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
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	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	330	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.25	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	273.59	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	33.8	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	7.06	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	86.1	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

### Notes :-

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Senior Analyst

  
K.N. Mukhophadyay  
Authorized Signatory  
(Report No: TC502519400003182F)



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## TEST REPORT

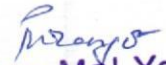
Report No./ULR No. :	TC502519400003184F	Date :	26-11-2019
Issued To :	M/S Jindal Saw Limited (Pellet Plant) Iron Ore Pellet Unit, Khasra No. 6711, 9697/6711 Village Pur P.O. Pur Tehsil Bhilwara, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Pellet unit
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	18-11-2019
Point of Collection :	BFN Plant B [74°32'21"N,25°19'10"E]	Date of Receipt :	20-11-2019
Date of Test/Analysis :	20-11-2019 to 26-11-2019	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Parsa Ram Kudi
Unit's representative :	Shitanshu Pandey	Condition of Sample :	Fit for testing

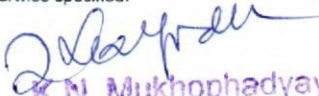
## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m <sup>3</sup> ]	350	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.67	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	227.98	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	30.29	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	5.05	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	79.06	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

Notes :-

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Puran Mal Yogi  
Senior Analyst

  
K.N. Mukhophadyay

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## TEST REPORT

Report No./ULR No. :	TC502519500001508P	Date :	26-11-2019
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 Plant
Type of Sample :	Stack Emission Level	Date of Sample Collection/Monitoring :	19-11-2019
Point of Collection :	Roatary Klin Stack	Date of Receipt :	20-11-2019
Date of Test/Analysis :	20-11-2019 to 26-11-2019	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
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
1	Particulate matter [mg/Nm <sup>3</sup> ]	34.37	IS 11255 (Part 1):1985 Reaffirmed 2014

### Notes :-

- # Parameter No. 1,2,5 covered under NABL scope and Parameter No. 3,4 does not cover under NABL scope
- # Parameter No. NONE outsourced for testing.
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**Puran Mar Yogi**

Senior Analyst

**K.N. Mukhophadyay**

Authorized Signatory

(Report No: TC502519500001508P)



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## TEST REPORT

Report No./ULR No. :	TC502519500001509F	Date :	26-11-2019
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 :	Stack Emission Level	Date of Sample Collection/Monitoring :	19-11-2019
Point of Collection :	Coal Mill Stack [74°32'28"N 25°19'8"E]	Date of Receipt :	20-11-2019
Date of Test/Analysis :	20-11-2019 to 26-11-2019	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
Quantity of Sample :	-	Sample Collected By :	Parsa Ram Kudi
Unit's representative :	Shitanshu Pandey	Condition of Sample :	Fit for testing

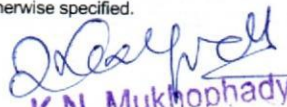
## RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Particulate matter [mg/Nm <sup>3</sup> ]	30.7	IS 11255 (Part 1):1985 Reaffirmed 2014

Notes :-

- # Parameter No. 1 covered under NABL scope and Parameter No. NONE does not cover under NABL scope
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Senior Analyst

  
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