



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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JDA/UDI

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523400000600	Date :	28-03-2023
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 :	15-03-2023
Point of Collection :	Nr Staff Canteen Area [74°32'30"N 25°18'60"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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	Ammonia [microgram/m3]	BDL(<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	310	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	15.76	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(< 20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	168.82	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	32.13	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	3.36	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	64.73	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	4.9	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Sunil Kumar
Senior Analyst

Rajesh Prakash
Authorized Signatory



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TEST REPORT

Report No./ULR No. :	400000600	Date :	28-03-2023
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 :	15-03-2023
Point of Collection :	Nr Staff Canteen Area [74°32'30"N 25°18'60"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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Senior Analyst


Authorized Signatory
(Report No: 400000600)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502523400000598	Date :	28-03-2023
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 :	13-03-2023 12:08 to 14-03-2023 12:08
Point of Collection :	Tiranga House [74°32'18"N 25°18'57"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	2 ltr.	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	Ammonia [microgram/m ³]	BDL(<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m ³]	330	TTH/AAQM/08	4000
3	Lead [microgram/m ³]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.52	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m ³]	BDL(< 20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m ³]	147.55	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM _{2.5}) [microgram/m ³]	28.51	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m ³]	3.66	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM ₁₀) [microgram/m ³]	58.99	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m ³]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m ³]	5.3	IS 5182 : Part 26 : 2020	20.00

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Sunil Kumar
Senior Analyst

Rajesh Maheshwan
Authorized Signatory



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TEST REPORT

Report No./ULR No. :	400000598	Date :	28-03-2023
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 :	13-03-2023 12:08 to 14-03-2023 12:08
Point of Collection :	Tiranga House [74°32'18"N 25°18'57"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	2 ltr.	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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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Sunil Kumar
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: 400000598)



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TEST REPORT

Report No./ULR No. :	TC502523400000599	Date :	28-03-2023
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 :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Switch yard Station [74°32'36"N 25°19'27"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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	Ammonia [microgram/m3]	BDL(<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	340	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.42	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(< 20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	256.36	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	37.91	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	4.29	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	76.1	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	5.4	IS 5182 : Part 26 : 2020	20.00

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Sunil Kumar
Senior Analyst

Rajeswar
Authorized Signatory



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TEST REPORT

Report No./ULR No. :	400000599	Date :	28-03-2023
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 :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Switch yard Station [74°32'36"N 25°19'27"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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
12	Benzene [microgram/m ³]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

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Sumit Kumar
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 400000599)



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TEST REPORT

Report No./ULR No. :	TC502523400000601	Date :	28-03-2023
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 :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Mineral Beatification Plant	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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	Ammonia [microgram/m3]	BDL(<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	350	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.23	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	15.26	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL(< 20)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	271.25	IS 5182 (Part 4) : 1999 RA 2019	-
7	Particulate Matter (PM2.5) [microgram/m3]	42.4	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	4.07	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	74.62	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m3]	5.5	IS 5182 : Part 26 : 2020	20.00

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Purnima Yogi
Senior Analyst

Rajesh Maheshwari
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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000601	Date :	28-03-2023
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 :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Mineral Beatification Plant	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Barwari 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
12	Benzene [microgram/m3]	BDL(<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
13	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Purnima Yogi
Senior Analyst


Rakesh Maheshwan
Authorized Signatory
(Report No: 400000601)



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TEST REPORT

Report No./ULR No. :	TC502523400000602	Date :	28-03-2023
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 :	Fugitive Emission Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Bentonite Grinding Storage [74°32'23"N 25°19'2"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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
1	Suspended Particulate Matter [microgram/m3]	422.96	IS 5182 (Part 4) : 1999 RA 2019

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: TC502523400000602)



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

TEST REPORT

Report No./ULR No.:	TC502523400000603	Date :	28-03-2023
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 :	Fugitive Emission Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Coal Pulverize Area [74°32'27"N 25°19'07"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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
1	Suspended Particulate Matter [microgram/m3]	402.69	IS 5182 (Part 4) : 1999 RA 2019

Notes :-

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Sunil Kumar
Senior Analyst

Rajesh Maheshwar
Authorized Signatory

(Report No: TC502523400000603)



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TEST REPORT

Report No./ULR No. :	TC502523500000417	Date :	29-03-2023
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 :	21-03-2023
Point of Collection :	Rotry Kiln [74°32'24"N 25°19'6"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 29-03-2023	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]	35.52	IS 11255 (Part 1):1985 Reaffirmed 2014
2	Stack Gas Velocity [m/sec]	5.26	CPCB Guidelines

Notes :-

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Senior Analyst

Purnima Yogi
Authorized Signatory
(Report No: TC502523500000417)



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TEST REPORT

Report No./ULR No. :	TC502523500000418	Date :	29-03-2023
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 :	23-03-2023
Point of Collection :	Coal Mill Stack [74°32'28"N 25°19'8"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 29-03-2023	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]	42.02	IS 11255 (Part 1):1985 Reaffirmed 2014
2	Stack Gas Velocity [m/sec]	17.26	CPCB Guidelines

Notes :-

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Senior Analyst


Rajesh Maheshwan
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TEST REPORT

Report No.:	500000419	Date :	05-04-2023
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 :	DG Stack Emission Level	Date of Sample Collection/Monitoring :	25-03-2023
Point of Collection :	DG Set 750 KVA [74°32'28" 25°19'12"]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-03-2023	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [g/kw-hr]	0.10	IS 11255 (Part 1):1985 Reaffirmed 2014	0.3
2	Sulphur Dioxide [g/kw-hr]	BDL(<0.02)	IS 11255(Part 2) :1985 Reaffirmed 2014	-
3	Oxides of Nitrogen [g/kw-hr]	1.43	IS 11255 (Part 7) :1985 Redffirmed 2012	9.2
4	Carbon monoxide [g/kw-hr]	0.87	IS 5182 (Part 10) : 1999	3.5
5	Hydrocarbon [g/kw-hr]	0.28	IS 5182 (Part 10) : 1999	1.3

Notes :-

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Rajesh Maneswar
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TEST REPORT

Report No.:	500000420	Date :	05-04-2023
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 :	DG Stack Emission Level	Date of Sample Collection/Monitoring :	25-03-2023
Point of Collection :	DG Set 563 KVA [74°32'28" 25°19'4"]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 05-03-2023	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Shitanshu Pandey	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Particulate matter [g/kw-hr]	0.11	IS 11255 (Part 1):1985 Reaffirmed 2014	0.3
2	Sulphur Dioxide [g/kw-hr]	BDL(<0.02)	IS 11255(Part 2) :1985 Reaffirmed 2014	-
3	Oxides of Nitrogen [g/kw-hr]	1.55	IS 11255 (Part 7) :1985 Redffirmed 2012	9.2
4	Carbon monoxide [g/kw-hr]	0.91	IS 5182 (Part 10) : 1999	3.5
5	Hydrocarbon [g/kw-hr]	0.32	IS 5182 (Part 10) : 1999	1.3

Notes :-

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TEST REPORT

Report No./ULR No. :	TC502523200000582	Date :	27-03-2023
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 :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	15 KLD STP Outlet [74°32'24"N 25°18'58"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	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 Environment protection rules, 1986
1	Total Suspended Solids [mg/l]	21	APHA.2017:2540-D	100
2	Ammonical Nitrogen as N [mg/l]	5.89	APHA 2017 : 4500-NH3 C	50
3	Biochemical Oxygen Demand (BOD) [mg/l]	14.55	APHA 2017:5210-B	30
4	Chloride as Cl [mg/l]	946.09	APHA 2017 : 4500- Cl- B	-
5	Chemical Oxygen Demand (COD) [mg/l]	100.35	APHA:2017 : 5220-C	250
6	pH	7.36	APHA:2017 : 4500 H+B	5.5 - 9.0
7	Sulphide as S [mg/l]	BDL (<0.1)	APHA. 2017 : 4500-S2-F	2
8	Total Kjeldahl Nitrogen (TKN) [mg/l]	14.82	APHA 2017 : 4500-Norg B	100
9	Oil & Grease [mg/l]	4	APHA 2017 : 5520 B	10
10	Total Residual Chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	1.0
11	Nitrate as NO3 [mg/l]	30.51	APHA 2017 : 4500-NO3- B	50

Notes :-

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Sunil Kumar
Senior Analyst

Rajesh Maheshwari
Authorized Signatory

(Report No: TC502523200000582)



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TEST REPORT

Report No./ULR No. :	TC502523200000583	Date :	27-03-2023
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 :	Liquid Effluents / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	15 KLD STP Inlet	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 ltr.	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	Total Suspended Solids [mg/l]	76	APHA.2017:2540-D
2	Ammonical Nitrogen as N [mg/l]	15.74	APHA 2017 : 4500-NH3 C
3	Biochemical Oxygen Demand (BOD) [mg/l]	56	APHA 2017:5210-B
4	Chloride as Cl [mg/l]	1005.22	APHA 2017 : 4500- Cl- B
5	Chemical Oxygen Demand (COD) [mg/l]	235.2	APHA:2017 : 5220-C
6	pH	7.01	APHA:2017 : 4500 H+B
7	Sulphide as S [mg/l]	BDL (<0.1)	APHA. 2017 : 4500-S2-F
8	Total Kjeldahl Nitrogen (TKN) [mg/l]	26.43	APHA 2017 : 4500-Norg B
9	Oil & Grease [mg/l]	8	APHA 2017 : 5520 B
10	Total Residual Chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B
11	Nitrate as NO3 [mg/l]	42.74	APHA 2017 : 4500-NO3- B

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: TC502523200000583)



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TEST REPORT

Report No./ULR No. :	TC502523100000487	Date :	29-03-2023
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 :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Balling Disk Ground Water	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	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	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	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) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	571.43	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	0.03	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
8	Chloride [mg/l]	239.29	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1916	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	160	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh
Rajesh Maheshwar



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
11	Magnesium [mg/l]	41.65	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2019	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]	289.4	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	27.55	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.14	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	0.07	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	326.4	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.74	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	7	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	400	IS 3025 (Part 40) : 1991 RA 2019	-	-
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00



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S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
32	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
33	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
34	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
35	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst

Rajesh
Rajesh Kumar
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TEST REPORT

Report No./ULR No. :	100000487	Date :	29-03-2023
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 :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Balling Disk Ground Water	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	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	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
36	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
37	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- # 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.

Balan
Senior Analyst

Rajesh
Authorized Signatory
(Report No: 100000487)



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

TEST REPORT

Report No./ULR No. :	TC502523100000488	Date :	29-03-2023
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 :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Nr. Coal Storage Yard	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	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	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.05	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	552.38	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
8	Chloride [mg/l]	430.72	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1935	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	152.38	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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Rajesh
Rajesh Maheshwar



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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
11	Magnesium [mg/l]	41.65	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2019	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]	368.3	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	27.16	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.18	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	230.4	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.74	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	8	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	380.95	IS 3025 (Part 40) : 1991 RA 2019	-	-
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00



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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
32	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
33	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
34	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
35	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000488)



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TEST REPORT

Report No./ULR No. :	100000488	Date :	29-03-2023
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 :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Nr. Coal Storage Yard	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	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	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
36	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
37	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
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TEST REPORT

Report No./ULR No. :	TC502523100000486	Date :	29-03-2023
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 :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Pur Pond [74°32'21"N 25°17'60"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	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	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	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) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	209.52	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
8	Chloride [mg/l]	95.72	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	413	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	57.14	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Maheshwari



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
11	Magnesium [mg/l]	16.2	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2019	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]	75.9	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	4.82	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.32	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	134.4	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.27	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	6	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
30	Calcium Hardness [mg/l]	142.85	IS 3025 (Part 40) : 1991 RA 2019	-	-
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00

Prof. Kamesh Maheshwari
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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
32	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
33	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
34	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
35	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: TC502523100000486)



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TEST REPORT

Report No./ULR No. :	100000486	Date :	29-03-2023
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 :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Pur Pond [74°32'21"N 25°17'60"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 29-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	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	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
36	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
37	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Babran Agarwal
Senior Analyst

Rajesh Malhotra
Authorized Signatory
(Report No: 100000486)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC50252360000466	Date :	28-03-2023
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Balling Disc Building [74°32'24"N 25°19'2"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	TTH/NOISE/01
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 Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	71.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	62.8	IS 9989	70

Notes :-

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Sunil Kumar
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: TC50252360000466)



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TEST REPORT

Report No./ULR No. :	TC50252360000465	Date :	28-03-2023
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Proportioning & HPGR Building [74°33'1"N 25°19'51"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	TTH/NOISE/01
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 Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	68.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	58.4	IS 9989	70

Notes :-

- # 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.


Senior Analyst


Authorized Signatory
(Report No: TC50252360000465)



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TEST REPORT

Report No./ULR No. :	TC502523600000464	Date :	28-03-2023
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near D.G. Room [74°32'27"N 25°19'03"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	TTH/NOISE/01
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 Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	66.3	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	58.5	IS 9989	70

Notes :-

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Sunil Kumar
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502523600000464)



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TEST REPORT

Report No./ULR No. :	TC502523600000463	Date :	28-03-2023
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Cooler Area [74°32'29"N 25°19'7"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	TTH/NOISE/01
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 Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	71.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	60.2	IS 9989	70

Notes :-

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


Senior Analyst
Sunil Kumar


Rajesh Maheshwari
Authorized Signatory
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TEST REPORT

Report No./ULR No.:	TC50252360000462	Date :	28-03-2023
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	15-03-2023
Point of Collection :	Near Nitrogen Plant [74°32'24"N 25°19'8"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	TTH/NOISE/01
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 Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	69.4	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	59.9	IS 9989	70

Notes :-

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


Sunil Kumar
Senior Analyst


Rajesh Maheshwan
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(Report No: TC50252360000462)