



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

OHSAS 18001:2007

JDA/UDH

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Website : www.teamtesthouse.com

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TEST REPORT

Report No. : A/1206
Job Identification. : 4400/16-17
Date : 22-08-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 06-08-2016
Date of Sample Receipt : 12-08-2016
Date of Test : 12-08-2016 to 22-08-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Tiranga Pit (Mining Face)

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	390	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	11.82	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	51.51	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	14.25	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.16	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	23.71	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1206)



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TEST REPORT

Report No. : A/1207
Job Identification. : 4401/16-17
Date : 22-08-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 06-08-2016
Date of Sample Receipt : 12-08-2016
Date of Test : 12-08-2016 to 22-08-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Samodi village


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	220	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	12.18	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	76.11	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	14.1	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	4.57	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	36.56	IS 5182 (Part 23)	100.00

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
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(Report No: A/1207)



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TEST REPORT

Report No. : A/1208
Job Identification. : 4402/16-17
Date : 22-08-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 07-08-2016
Date of Sample Receipt : 12-08-2016
Date of Test : 12-08-2016 to 22-08-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Dhulkhera Pit


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	450	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	9.77	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	114.29	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	12.5	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	9.17	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	25.84	IS 5182 (Part 23)	100.00

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Puran Maurya
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1208)



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TEST REPORT

Report No. : A/1209
Job Identification. : 4403/16-17
Date : 22-08-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 09-08-2016
Date of Sample Receipt : 12-08-2016
Date of Test : 12-08-2016 to 22-08-2016
Sample Collected By : Darwesh Kumar
Point of Collection : Near Suras Pit (Near Dhaba)


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	190	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	5.45	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	107.03	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	11.25	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.96	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	56.37	IS 5182 (Part 23)	100.00

Notes :-

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1209)



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TEST REPORT

Report No. : A/1294
Job Identification. : 4937/16-17
Date : 07-09-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-08-2016
Date of Sample Receipt : 01-09-2016
Date of Test : 01-09-2016 to 07-09-2016
Sample Collected By : Rakesh Sharma
Point of Collection : Tiranga Pit (Mining Area)

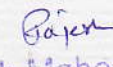
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	290	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m3]	13.93	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	214.41	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM _{2.5}) [microgram/m3]	27.42	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.84	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	56.24	IS 5182 (Part 23)	100.00

Notes :-

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Purnan Mahayogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1294)



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TEST REPORT

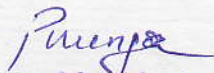
Report No. : A/1295
Job Identification. : 4938/16-17
Date : 07-09-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Araj No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-08-2016
Date of Sample Receipt : 01-09-2016
Date of Test : 01-09-2016 to 07-09-2016
Sample Collected By : Rakesh Sharma
Point of Collection : Samodi village


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	130	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	8.48	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	104.11	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	18.07	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	3.62	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	47.17	IS 5182 (Part 23)	100.00

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/1295)



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TEST REPORT

Report No. : A/1296
Job Identification. : 4939/16-17
Date : 07-09-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 31-08-2016
Date of Sample Receipt : 01-09-2016
Date of Test : 01-09-2016 to 07-09-2016
Sample Collected By : Rakesh Sharma
Point of Collection : Suras Pit


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	170	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	8.42	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	134.22	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	23.02	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	5.64	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	47.35	IS 5182 (Part 23)	100.00

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Purnan Mal Yodai
Senior Analyst


Rajesh Maheshwari
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(Report No: A/1296)



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TEST REPORT

Report No. : A/1297
Job Identification. : 4940/16-17
Date : 07-09-2016
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajji No.
9697/6711, Near Tiranga Hills Village : Pur Tehsil Bhilwara
District-Bhilwara 311802 (Rajasthan)
Type of Unit : Mines
Type of Sample : Ambient Air Quality Monitoring
Date of Sample Collection/Monitoring : 29-08-2016
Date of Sample Receipt : 01-09-2016
Date of Test : 01-09-2016 to 07-09-2016
Sample Collected By : Rakesh Sharma
Point of Collection : Dhulkhera Pit

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.84	IS 5182 (Part 6) : 2006	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	183.45	IS 5182 (Part 4) : 1999	-
4	Particulate Matter (PM2.5) [microgram/m3]	28.84	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.64	IS 5182 (Part 2) : 2001	80.00
6	Particulate Matter (PM 10) [microgram/m3]	57.67	IS 5182 (Part 23)	100.00

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Purnan Maheshwari
Senior Analyst


Rajesh Maheshwari
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(Report No: A/1297)