



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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TEST REPORT

Report No. : A/2942
Job Identification. : 9989/16-17
Date : 09-03-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai 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 : 01-02-2017
Date of Sample Receipt : 07-02-2017
Date of Test : 07-02-2017 to 07-03-2017
Sample Collected By : Parsha Ram Kudi
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]	490	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	17.13	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	350.26	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	41.24	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	9.02	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	82.53	IS 5182 (Part 23)-2006 Reaffirmed 2012	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.


Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: A/2942)



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TEST REPORT

Report No. : A/2943
Job Identification. : 9990/16-17
Date : 09-03-2017
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 : 01-02-2017
Date of Sample Receipt : 07-02-2017
Date of Test : 07-02-2017 to 09-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : Samodi village

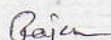
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	210	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	17.85	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	252.21	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	26.69	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.27	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	66.47	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Nogi
Senior Analyst


Rajesh Ivaneshwari
Authorized Signatory
(Report No: A/2943)



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TEST REPORT

Report No. : A/2944
Job Identification. : 9991/16-17
Date : 09-03-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai 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 : 02-02-2017
Date of Sample Receipt : 07-02-2017
Date of Test : 07-02-2017 to 09-03-2017
Sample Collected By : Parsa Ram Kudi
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]	410	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.9	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	284.46	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	37.76	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	8.67	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	75.19	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Purnima Malhotra
Senior Analyst


Rajesh Mahechwar
Authorized Signatory
(Report No: A/2944)



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TEST REPORT

Report No. : A/2945
Job Identification. : 9992/16-17
Date : 09-03-2017
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 : 02-02-2017
Date of Sample Receipt : 07-02-2017
Date of Test : 07-02-2017 to 09-03-2017
Sample Collected By : Parsa Ram Kudi
Point of Collection : 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]	390	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	18.3	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	274.69	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	37.3	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.77	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	82.01	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Yogi
Senior Analyst


Rajesh Mareshwari
Authorized Signatory
(Report No: A/2945)



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TEST REPORT

Report No. : A/2954
Job Identification. : 10573/16-17
Date : 09-03-2017
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 : 22-02-2017
Date of Sample Receipt : 28-02-2017
Date of Test : 28-02-2017 to 09-03-2017
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Tiranga Pit (Mining Face)

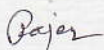
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	370	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	15.47	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	339.7	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	35.91	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	9.03	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	78.01	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Yogi
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Rajesh Maheshwari
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TEST REPORT

Report No. : A/2955
Job Identification. : 10574/16-17
Date : 09-03-2017
Issued To : M/S Jindal Saw Limited (Dhedwas Mines)
Dhedwas Iron Ore Copper & Associated Minerals Mines Arajai 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 : 22-02-2017
Date of Sample Receipt : 28-02-2017
Date of Test : 28-02-2017 to 09-03-2017
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Samodi Village (Near Hanuman Ji Ka Mandir)

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]	10.83	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	228.38	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	26.52	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	6.65	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	68.38	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Puran Mal Vogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: A/2955)



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E-mail : director@teamtesthouse.com

TEST REPORT

Report No. : A/2956
Job Identification. : 10575/16-17
Date : 09-03-2017
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 : 23-02-2017
Date of Sample Receipt : 28-02-2017
Date of Test : 28-02-2017 to 09-03-2017
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : 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]	310	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.93	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	349.58	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM2.5) [microgram/m3]	36.56	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m3]	7.94	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM 10) [microgram/m3]	80.05	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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Senior Analyst


Rajesh Maheshwari
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(Report No: A/2956)



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TEST REPORT

Report No. : A/2957
Job Identification. : 10576/16-17
Date : 09-03-2017
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 : 22-02-2017
Date of Sample Receipt : 28-02-2017
Date of Test : 28-02-2017 to 09-03-2017
Sample Collected By : Satyendra Kumar Sharma
Point of Collection : Dhulkhera Pit

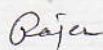
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	390	IS 5182 (Part 10) : 1999	4000
2	Nitrogen Dioxide as NO ₂ [microgram/m ³]	16.52	IS 5182 (Part 6) : 2006 Reaffirmed 2012	80.00
3	Suspended Particulate Matter (SPM) [microgram/m ³]	305.22	IS 5182 (Part 4) : 1999 Reaffirmed 2014	-
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	30.82	CPCB Guidelines	60.00
5	Sulphur Dioxide [microgram/m ³]	7.74	IS 5182 (Part 2) : 2001 Reaffirmed 2012	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	80.12	IS 5182 (Part 23)-2006 Reaffirmed 2012	100.00

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