



# 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,  
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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. :	TC502523400000609	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-03-2023 to 10-03-2023
Point of Collection :	Banera Village (74°41'9"N,25°30'12"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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 <sup>3</sup> ]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m <sup>3</sup> ]	260	TTH/AAQM/08	4000
3	Lead [microgram/m <sup>3</sup> ]	0.12	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	16.51	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m <sup>3</sup> ]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	235.36	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	33.68	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m <sup>3</sup> ]	5.3	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	65.68	IS 5182 (Part 23)-2006 RA 2017	100.00
10	Arsenic [ng/m <sup>3</sup> ]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
11	Nickel [ng/m <sup>3</sup> ]	5.9	IS 5182 : Part 26 : 2020	20.00

### Notes :-

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

Purnan Mal Yogi

Rajesh Maneshwan



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## TEST REPORT

Report No./ULR No. :	400000609	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-03-2023 to 10-03-2023
Point of Collection :	Banera Village (74°41'9"N,25°30'12"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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	Benzene [microgram/m <sup>3</sup> ]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]	BDL(<0.5)	CPCB Guidelines	1.00

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Pooja Yogi  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400000609 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000610	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-03-2023 to 10-03-2023
Point of Collection :	Mahua Khurd Village (74°39'28"N,25°26'27"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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]	320	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.13	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	213.66	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	36.22	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	4.52	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	64.28	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]	5.1	IS 5182 : Part 26 : 2020	20.00

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*Pureh*  
**Pureh Mal Yogi**

*Rajesh*  
**Rajesh Maneswan**



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## TEST REPORT

Report No./ULR No. :	400000610	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-03-2023 to 10-03-2023
Point of Collection :	Mahua Khurd Village (74°39'28"N,25°26'27"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Rupan Mal Yogi  
Senior Analyst

  
Rakesh Maheshwari  
Authorized Signatory  
(Report No: 400000610)



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000608	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-03-2023 to 11-03-2023
Point of Collection :	Chimanpura Village (74°36'33"N,25°26'47"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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]	330	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.19	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.82	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	203.84	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	35.36	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	2.91	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	64.65	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]	5.2	IS 5182 : Part 26 : 2020	20.00

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Purnima Yogi

Neelam Maneshwan



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	400000608	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-03-2023 to 11-03-2023
Point of Collection :	Chimanpura Village (74°36'33"N,25°26'47"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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	Benzene [microgram/m <sup>3</sup> ]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]	BDL(<0.5)	CPCB Guidelines	1.00

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Senior Analyst

  
Authorized Signatory  
(Report No: 400000608)



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000611	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	11-03-2023 to 12-03-2023
Point of Collection :	Mandal Village (74°34'3"N,25°26'25"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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]	320	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]	15.54	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	169.36	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	32.43	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	3.29	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	55.37	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

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*Purushottam Yogi*

*Rajesh Maneshwar*



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	400000611	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	11-03-2023 to 12-03-2023
Point of Collection :	Mandal Village (74°34'3"N,25°26'25"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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	Benzene [microgram/m <sup>3</sup> ]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]	BDL(<0.5)	CPCB Guidelines	1.00

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Senior Analyst

Authorized Signatory  
(Report No: 400000611 )



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

## TEST REPORT

Report No./ULR No. :	TC502523400000607	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-03-2023 to 10-03-2023
Point of Collection :	Lampiya Village (Laxmanlal Regar) (74°39'32"N,25°27'31"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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]	290	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	15.15	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	251.29	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	39.62	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	3.73	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	72.93	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]	6.4	IS 5182 : Part 26 : 2020	20.00

### Notes :-

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Purushottam Yogi

Rajesh Maneshwan



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

## TEST REPORT

Report No./ULR No. :	400000607	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	09-03-2023 to 10-03-2023
Point of Collection :	Lampiya Village (Laxmanlal Regar) (74°39'32"N,25°27'31"E)	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 to 28-03-2023	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Purnan Mal Yogi  
Senior Analyst

  
Purnan Mal Yogi  
Authorized Signatory  
(Report No: 400000607 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000606	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	08-03-2023 to 09-03-2023
Point of Collection :	Kamalpura Village (74°38'44"N,25°28'18"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 :	Sitaram jangid
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]	280	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.17	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.98	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	188.14	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	33.89	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	5.5	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	63.44	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]	8.1	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

  
Rajesh Maheshwan



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Email : marketinglab@teamtesthouse.com

**TEST REPORT**

Report No./ULR No. :	400000606	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	08-03-2023 to 09-03-2023
Point of Collection :	Kamalpura Village (74°38'44"N,25°28'18"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 :	Sitaram jangid
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	Benzene [microgram/m <sup>3</sup> ]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Purnan Mal Yogi  
Senior Analyst

  
Rajesh Maheshwar  
Authorized Signatory  
(Report No: 400000606)



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

## TEST REPORT

Report No./ULR No. :	TC502523400000605	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-03-2023 to 11-03-2023
Point of Collection :	Devpura Village (Shri Narayan Lal Ji House) (74°37'53"N,25°26'53"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 :	Sitaram jangid
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]	270	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	10.95	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	161.99	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	37.01	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	2.99	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	67.19	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]	6.2	IS 5182 : Part 26 : 2020	20.00

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Purshottam Yogi

Rajesh Manojwar



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## TEST REPORT

Report No./ULR No. :	400000605	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-03-2023 to 11-03-2023
Point of Collection :	Devpura Village (Shri Narayan Lal Ji House) (74°37'53"N 25°26'53"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 :	Sitaram jangid
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	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

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Purnima Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400000605)



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## TEST REPORT

Report No./ULR No.:	TC50252340000604	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-03-2023 to 11-03-2023
Point of Collection :	Jaliya Village (Ram Lal House)(74°38'26"N,25°26'31"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 :	Sitaram jangid
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]	290	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.18	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	10.72	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977,Part 819	100.00
6	Suspended Particulate Matter (SPM) [microgram/m3]	220.72	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
7	Particulate Matter (PM2.5) [microgram/m3]	32.21	IS 5182 (Part 24) : 2019	60.00
8	Sulphur Dioxide [microgram/m3]	2.08	IS 5182 (Part 2) : 2001 RA 2017	80.00
9	Particulate Matter (PM 10) [microgram/m3]	69.82	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]	6.5	IS 5182 : Part 26 : 2020	20.00

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*Puritan Mal Yogi*

*Rajesh Maneshwar*



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**TEST REPORT**

Report No./ULR No. :	400000604	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	10-03-2023 to 11-03-2023
Point of Collection :	Jaliya Village (74°38'26"N,25°26'31"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 :	Sitaram jangid
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	Benzene [microgram/m <sup>3</sup> ]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m <sup>3</sup> ]	BDL(<0.5)	CPCB Guidelines	1.00

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Puran Mal Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400000604 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000795	Date :	05-04-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	20-03-2023 17:59 to 21-03-2023 17:59
Point of Collection :	Lampiya Village (Laxmanlal Regar) (74°39'32"N,25°27'31"E)	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 04-04-2023	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]	290	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.21	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	120.96	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	27.62	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	6.12	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	63.59	IS 5182 (Part 23)-2006 RA 2017	100.00

**Notes :-**

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*Purva*  
**Senior Analyst**

*Rajesh*  
**Authorized Signatory**

(Report No: TC502523400000795 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523400000792	Date :	05-04-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	20-03-2023 17:56 to 21-03-2023 17:56
Point of Collection :	Kamalpura Village [74°38'44"N 25°28'18"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 04-04-2023	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 <sup>3</sup> ]	320	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.34	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m <sup>3</sup> ]	122.79	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	27.79	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	5.63	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m <sup>3</sup> ]	63.58	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Purnima Singh  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory

(Report No: TC502523400000792 )



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

## TEST REPORT

Report No./ULR No. :	TC502523400000794	Date :	05-04-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	20-03-2023 17:58 to 21-03-2023 17:58
Point of Collection :	Devpura Village (Shri Narayan Lal Ji House) [74°37'53"N, 25°26'53"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 04-04-2023	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]	230	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	14.94	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	129.75	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	27.62	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	4.59	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	58.83	IS 5182 (Part 23)-2006 RA 2017	100.00

**Notes :-**

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Purni Mai Yogi  
Senior Analyst

Rajesh Maheshwan  
Authorized Signatory  
(Report No: TC502523400000794 )



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Email : director@teamtesthouse.com,  
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## TEST REPORT

Report No./ULR No. :	TC502523400000793	Date :	05-04-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	20-03-2023 17:57 to 21-03-2023 17:57
Point of Collection :	Jaliya Village (Ramji Lal House) [74°38'27"N,25°26'31"E]	Date of Receipt :	28-03-2023
Date of Test/Analysis :	28-03-2023 to 04-04-2023	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]	250	TTH/AAQM/08	4000
2	Nitrogen Dioxide as NO2 [microgram/m3]	13.79	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
3	Suspended Particulate Matter (SPM) [microgram/m3]	113.54	IS 5182 (Part 4) : 1999 RA 2019	Not Specified
4	Particulate Matter (PM2.5) [microgram/m3]	28.11	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	6.79	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	61.15	IS 5182 (Part 23)-2006 RA 2017	100.00

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**Puran Mai Yogi**  
Senior Analyst

  
**Rajesh Maheshwan**  
Authorized Signatory  
(Report No: TC502523400000793 )



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## TEST REPORT

Report No./ULR No. :	TC502523400000612	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Fugitive Emission Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Ore Storage & Loading Point[74°38'3"N,25°26'32"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 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]	450.21	IS 5182 (Part 4) : 1999 RA 2019

Notes :-

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*Balram*  
Balram Agarwar  
Senior Analyst

*Rajesh*  
Rajesh Maheshwan  
Authorized Signatory  
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## TEST REPORT

Report No./ULR No. :	TC502523400000613	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Fugitive Emission Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Hual Road [74°36'35"N,25°24'53"E]	Date of Receipt :	18-03-2023
Date of Test/Analysis :	18-03-2023 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]	442.65	IS 5182 (Part 4) : 1999 RA 2019

Notes :-

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*Balra*  
Balram Agarwal  
Senior Analyst

*Raj*  
Rajesh Mishra  
Authorized Signatory  
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## TEST REPORT

Report No./ULR No.:	TC502523100000456	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Lampiya (Govt. Hand Pump, School Lampiya) (74°40'30"N,25°27'41"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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	7.09	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	415.24	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]	51.69	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	639	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	124.95	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Mañeshwar



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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]	24.99	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]	64.66	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	23.45	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.84	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]	311.04	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	-	-
23	Boron [mg/l]	0.33	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	312.38	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

Rajesh Mathur



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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	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	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 Maheshwan  
Authorized Signatory  
(Report No: TC502523100000456 )



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## TEST REPORT

Report No./ULR No. :	100000456	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Lampiya (Govt. Hand Pump, School Lampiya) (74°40'30"N,25°27'41"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

### Notes :-

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Balram Agarwal  
Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: 100000456)



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## TEST REPORT

Report No./ULR No. :	TC502523100000455	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Kamapura (Govt. Supply) (74°38'49"N,25°28'19"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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	7.78	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	285.71	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]	55.51	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	564	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	85.33	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	17.59	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



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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
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	38.33	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	27.65	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.41	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]	276.48	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]	0.46	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	213.32	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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-



# TEAM TEST HOUSE

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Phone : +91 9460222039, 9460222049,  
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
34	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: TC502523100000455 )



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

## TEST REPORT

Report No./ULR No. :	100000455	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Kampura (Govt. Supply) (74°38'49"N,25°28'19"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	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  
Senior Analyst

Rajesh Maheshwan  
Authorized Signatory  
(Report No: 100000455 )



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

## TEST REPORT

Report No./ULR No. :	TC502523100000454	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Village Devpura (Govt. Hand Pump, School Devpura) (74°38'1"N,25°26'53"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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	7.88	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	457.14	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]	196.22	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1342	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	114.29	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
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

Rajesh Maheswari



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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
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	131.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	30.03	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.95	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]	393.6	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]	0.65	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	285.72	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
32	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-

Raresh Meshwar



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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
34	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 Maheshwan  
Authorized Signatory  
(Report No: TC502523100000454 )



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## TEST REPORT

Report No./ULR No.:	100000454	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Village Devpura (Govt. Hand Pump, School Devpura) (74°38'1"N,25°26'53"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

### Notes :-

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Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 100000454 )



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## TEST REPORT

Report No./ULR No. :	TC502523100000453	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Village Jaliya (Water Storage tank) (74°38'27"N,25°26'31"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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	7.68	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	438.1	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]	186.64	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1149	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	118.1	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Maheshwan



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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]	34.71	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]	136.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	30.15	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.28	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]	0.04	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	355.2	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]	0.47	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	295.25	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

Rajesh Bhatnagar



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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	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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Balram Agarwal  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: TC502523100000453 )



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## TEST REPORT


Report No./ULR No. :	100000453	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Village Jaliya (Water Storage tank) (74°38'27"N,25°26'31"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	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.
- # 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.

  
Balram Agarwal  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 100000453 )



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(Unit of Team Institute of Science & Technology Pvt. Ltd.)



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

## TEST REPORT

Report No./ULR No. :	TC502523100000457	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Banera Village (74°40'44"N,25°29'45"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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	7.52	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	365.71	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]	76.57	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	520	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	76.19	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Maheshwan



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Email : director@teamtesthouse.com,  
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]	42.58	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]	50.83	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	14.30	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.52	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]	0.04	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	360.96	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]	0.45	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	190.48	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

Rajeshwari



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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	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	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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Bahari Agarwal  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: TC502523100000457 )



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## TEST REPORT

Report No./ULR No. :	100000457	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Banera Village (74°40'44"N,25°29'45"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	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  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 100000457 )



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## TEST REPORT

Report No./ULR No. :	TC502523100000458	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Mahua Khurd (Govt. Adarsh Higher Secoundray School Mahua Khurd) (74°39'25"N,25°26'27"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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	7.29	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	523.81	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]	117.25	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	873	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	148.57	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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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]	37.03	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]	66.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	26.60	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.93	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]	384	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]	0.53	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	371.42	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

Rajesh 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	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	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: TC502523100000458 )



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## TEST REPORT

Report No./ULR No. :	100000458	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera., District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Mahua Khurd (Govt. Adarsh Higher Secoundray School Mahua Khurd) (74°39'25"N,25°26'27"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023.	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	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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Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 100000458 )



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## TEST REPORT

Report No./ULR No. :	TC502523100000460	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Chimanpura Village (74°37'13"N,25°26'44"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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]	0.5	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.28	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	542.86	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]	287.15	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	1638	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	163.81	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

Continue to next page...

Rajesh Maneshwar



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Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
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]	32.4	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]	171.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	24.68	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.94	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]	0.09	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	451.2	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]	0.45	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	409.52	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

Rajesh Maneswar



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Phone : +91 9460222039, 9460222049,  
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	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	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: TC502523100000460 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	100000460	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Chimanpura Village (74°37'13"N,25°26'44"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	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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Balram Agarwal  
Senior Analyst

  
Rajesh Maheshwar  
Authorized Signatory  
(Report No: 100000460)



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523100000459	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Mandal Village (74°34'5"N,25°27'0"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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	7.60	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	323.81	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]	124.43	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	728	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	99.05	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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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]	18.51	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]	47.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	23.28	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.69	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]	259.2	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]	0.49	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
26	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
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]	247.63	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 : 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	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-
34	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

Notes :-

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*Balram*  
Balram Agarwal  
Senior Analyst

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: TC502523100000459 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	100000459	Date :	27-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Mandal Village (74°34'5"N,25°27'0"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 27-03-2023	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
35	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
36	Pesticides [mg/l]	Not detected	APHA : 2017	-	-

### Notes :-

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Balram Agaryal  
Senior Analyst

Rajesh Maheshwar  
Authorized Signatory  
(Report No: 100000459 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No : WL/22-23/MAR02  
Date : 24-03-2023  
Issued to : M/s Jindal Saw Limited (Lampiya Mines)  
ML No. 627/05, Village : Lampiya, Tehsil : Banera,  
District Bhilwara 311802 (Rajasthan)  
Type of Unit : Mines  
Type of Sample : Water Level Measurement  
Date of Measurement : 10-03-2023  
Date of Receipt : 17-03-2023  
Water Level Measured By : Banwari Lal

## RESULTS

S.No	Location	Water Level in Meters
1	Lampiya Village	23.18
2	Devapura Village	12.25
3	Jaliya Village	14.85
4	Kamalपुरa Village	8.72
5	Mahua Khurd	17.09
6	Banera Village	19.68
7	Chimanपुरa Vilage	12.51
8	Mandal village	11.52

Note: -

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Senior Analyst  
Banwari Lal

  
Authorized Signatory  
Purnan May Yogi



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Phone : +91 9460222039, 9460222049,  
Email : director@teamtesthouse.com,  
Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523100000461	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Mandal Pond [74°34'3"N,25°27'1"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Bhupendra Nainwaya
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]	0.6	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.68	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	91.43	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]	28.71	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	247	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	25.9	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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Rajesh Maheshwan



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Email : director@teamtesthouse.com,  
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]	6.48	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]	11.50	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	4.93	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.41	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]	120.96	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]	0.21	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	14	IS 3025 (Part 17) : 1984 RA 2017	-	-
25	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
26	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
27	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	No relaxation
28	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
29	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
31	Calcium Hardness [mg/l]	64.75	IS 3025 (Part 40) : 1991 RA 2019	-	-

Rajesh Maheshwari  
2 of 4



# TEAM TEST HOUSE

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Phone : +91 9460222039, 9460222049,  
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	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
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: TC502523100000461 )



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

## TEST REPORT


Report No./ULR No. :	100000461	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Mandal Pond [74°34'3"N,25°27'1"E]	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr.	Sample Collected By :	Bhupendra Nainwaya
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 :-

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Rajesh Maheshwari  
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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523100000462	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Chimanpura Pond (74°37'42"N,25°26'46"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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]	0.9	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.63	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	95.24	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	0.04	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
8	Chloride [mg/l]	11.49	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	189	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	27.43	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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Email : director@teamtesthouse.com,  
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]	6.48	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	0.02	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]	5.50	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	3.65	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.26	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]	122.88	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]	0.21	IS 13428 (Annexure H)	0.5	2.4
24	Suspended Solids [mg/l]	12	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	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
29	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
31	Calcium Hardness [mg/l]	68.58	IS 3025 (Part 40) : 1991 RA 2019	-	-

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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	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
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: TC502523100000462 )



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## TEST REPORT

Report No./ULR No. :	100000462	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhitwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Chimanpura Pond (74°37'42"N,25°26'46"E)	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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 :-

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Senior Analyst

  
Rajesh Maheshwan  
Authorized Signatory  
(Report No: 100000462)



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No. :	TC502523100000463	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Lampiya pit	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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]	0.8	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	7.44	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	533.33	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]	43.07	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
9	Total Dissolved Solids [mg/l]	939	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	133.33	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00

Note:

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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]	48.6	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]	0.05	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	73.33	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	23.40	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	0.75	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]	96	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]	0.45	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	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.001	0.002
29	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
31	Calcium Hardness [mg/l]	333.33	IS 3025 (Part 40) : 1991 RA 2019	-	-

Rajesh Ganeswan



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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	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
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 :-**

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*Bairam*  
**Bairam Agarwal**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwan**  
Authorized Signatory  
(Report No: TC502523100000463 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT


Report No./ULR No. :	100000463	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Water / Chemical & Biological	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Lampiya pit	Date of Receipt :	17-03-2023
Date of Test/Analysis :	17-03-2023 to 28-03-2023	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.

  
Balram Agarwal  
Senior Analyst

  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 100000463 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No.:	TC502523600000470	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Lampiya (Nr Mining Area in front of Lakshman Singh Farm House) [74°40'30"N 25°27'41"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)]	54.9	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	44.2	IS 9989	45

### Notes :-

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Sunil Kumar  
Senior Analyst

Rajesh Ganeswan  
Authorized Signatory  
(Report No: TC502523600000470 )



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## TEST REPORT

Report No./ULR No.:	TC50252360000469	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	09-03-2023
Point of Collection :	Kamalpura Village [74°38'44"N 25°28'18"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)]	53.6	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	43.6	IS 9989	45

### Notes :-

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Sunil Kumar  
Senior Analyst

Rajeshwari  
Authorized Signatory

(Report No: TC50252360000469 )



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## TEST REPORT

Report No./ULR No. :	TC50252360000468	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Devpura Village (Shri Narayan Lal Ji House) [74°37'56"N, 25°26'53"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)]	51.1	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	41.7	IS 9989	45

**Notes :-**

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**Sumit Kumar**  
Senior Analyst

**Rajeshwar**  
Authorized Signatory  
(Report No: TC50252360000468 )



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## TEST REPORT

Report No./ULR No.:	TC50252360000467	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Jaliya Village (Ramji Lal House) [74°38'26"N,25°26'31"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)]	50.5	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	40.7	IS 9989	45

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Sunil Kumar  
Senior Analyst

  
Rajesh Maneshwan  
Authorized Signatory  
(Report No: TC50252360000467 )



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## TEST REPORT

Report No./ULR No. :	TC50252360000472	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Banera (Laaturam House) [74°40'44"N,25°29'45"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)]	53.3	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	43.4	IS 9989	45

Notes :-

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**Sumit Kumar**  
Senior Analyst

**Rajesh Maneswan**  
Authorized Signatory  
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## TEST REPORT

Report No./ULR No. :	TC50252360000473	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	10-03-2023
Point of Collection :	Village Mahua Khurd (Govt H.S. School Mahua Khurd) [74°34'3"N,25°26'27"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)]	49.3	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	39.8	IS 9989	45

### Notes :-

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Senior Analyst

Authorized Signatory  
(Report No: TC50252360000473 )



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## TEST REPORT

Report No./ULR No. :	TC50252360000471	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	11-03-2023
Point of Collection :	Chimanpura Village [74°36'33"N 25°26'47"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)]	52.0	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	41.9	IS 9989	45

Notes :-

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**Sunil Kumar**  
Senior Analyst

**Rajesh Maneswar**  
Authorized Signatory  
(Report No: TC50252360000471 )



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## TEST REPORT

Report No./ULR No. :	TC502523600000474	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	12-03-2023
Point of Collection :	Mandal Village [74°34'3"N 25°26'25"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)]	52.3	IS 9989	55
2	Noise Level (Night Time ) : Leq [dB(A)]	42.6	IS 9989	45

**Notes :-**

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Senior Analyst

  
Authorized Signatory

(Report No: TC502523600000474 )



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Email : marketinglab@teamtesthouse.com

## TEST REPORT

Report No./ULR No.:	TC502523600000475	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Ore Storage & Loading Point [74°38'3"N,25°26'32"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)]	55.9	IS 9989	75
2	Noise Level (Night Time ) : Leq [dB(A)]	48.6	IS 9989	65

### Notes :-

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Senior Analyst

  
Authorized Signatory  
(Report No: TC502523600000475 )



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## TEST REPORT

Report No./ULR No. :	TC50252360000476	Date :	28-03-2023
Issued To :	M/S Jindal Saw Limited (Lampiya Mines) ML No. 627/05, Village : Lampiya Tehsil : Banera,, District : Bhilwara- 311802 (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	13-03-2023
Point of Collection :	Hual Road [74°38'3"N,25°26'32"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)]	55.1	IS 9989	75
2	Noise Level (Night Time ) : Leq [dB(A)]	45.5	IS 9989	65

Notes :-

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Senior Analyst

  
Authorized Signatory  
(Report No: TC50252360000476 )