



# Royal

## Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

Ref. No. :427/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS

#### Sinter Plant-I

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No.	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4	Stack No. 5	Stack No. 6
01	Date of Sampling	---	NOT IN	NOT IN	NOT IN	NOT IN	NOT IN	NOT IN
02	Time of sampling	Hr.	OPERATION	OPERATION	OPERATION	OPERATION	OPERATION	OPERATION
03	Stack Attached to	---	Sinter Furnace	Discharge End	Fuel & Flux Crusher and Screening	Fuel & Flux Crushing House	Secondary Mixture House	Primary Mixture House
04	Air Pollution Control Measures	---	ESP	ESP	Bag Filter	Bag Filter	---	---
05	Stack Height	Meter	50	32.8	32.8	27.05	36.08	19.75
06	Stack Diameter	Meter	2.0	1.30	1.40	0.70	1.25	1.25
07	Stack Temperature	°C	---	---	---	---	---	---
08	Ambient Temperature	°C	---	---	---	---	---	---
09	Average Velocity of Flue Gases	M/Sec.	---	---	---	---	---	---
10	Isokinetic flow rate for P.M. Sampling	LPM	---	---	---	---	---	---
11	Gaseous Sampling Flow Rate	LPM	---	---	---	---	---	---
12	Permissible limits for PM	mg/Nm <sup>3</sup>	150	150	150	150	150	150
13	Measured Concentration of PM.	mg/Nm <sup>3</sup>	---	---	---	---	---	---
14	Permissible limits for SO <sub>2</sub>	ppm	100	NA	NA	NA	NA	NA
15	Measured Concentration of SO <sub>2</sub>	ppm	---	---	---	---	---	---
16	Permissible limits for Nox	ppm	50	NA	NA	NA	NA	NA
17	Measured Concentration of Nox	ppm	---	---	---	---	---	---

Note : Minimum Detectable Limit of SO<sub>2</sub> & Nox is 0.1 and 0.01 ppm respectively.  
Instrument Used : 2 Nos of Stack Monitoring Kit - Vayubodhan make - VSS I  
Both Stack kit Recalibration is Due on : 21/04/2013

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*Signature*



*Signature*  
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Ref. No. : 428/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS Sinter Plant- II

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No.	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4	Stack No. 5	Stack No. 6
01	Date of Sampling	---	24-09-2012	24-09-2012	24-09-2012	NOT IN	25-09-2012	25-09-2012
02	Time of sampling	Hr.	10.00	9.00	11.00	OPERATION	13.00	15.00
03	Stack Attached to	---	Sinter Furnace	Tail End Stack	Flux	Primary Mixer De-duster system	Secondary Mixer De-duster system	Fuel Screening deduster System (Screening Flux Stack)
04	Air Pollution Control Measures	---	ESP	ESP	Bag Filter	---	---	Dust Collector
05	Stack Height	Meter	50	50	30	30	30	30
06	Stack Diameter	Meter	2	1.3	0.7	---	1.25	---
07	Stack Temperature	°C	155	124	46	---	61	49
08	Ambient Temperature	°C	32	34	33	---	32	32
09	Average Velocity of Flue Gases	M/Sec.	5.7	5.6	5.1	---	5.9	6
10	Isokinetic flow rate for P.M. Sampling	LPM	17	18	20	---	22	24
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	2.0	---	2.0	2.0
12	Permissible limits for PM	mg/Nm3	150	150	150	150	150	150
13	Measured Concentration of PM.	mg/Nm3	108	46	48	---	46	49
14	Permissible limits for SO2	ppm	100	NA	NA	NA	NA	NA
15	Measured Concentration of SO2	ppm	16.9	NA	NA	NA	NA	NA
16	Permissible limits for Nox	ppm	50	NA	NA	NA	NA	NA
17	Measured Concentration of Nox	ppm	21	NA	NA	NA	NA	NA

Note : Minimum Detectable Limit of SO2 & Nox is 0.1 and 0.01 ppm respectively.  
Instrument Used : 2 Nos of Stack Monitoring Kit - Vayubodhan make - VSS I  
Both Stack kit Recalibration is Due on : 21/04/2013

NA= Not Applicable

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Ref. No. : 429/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS BLAST FURNCE-ID-18037

Name of company : Jindal Saw Limited,

Village: Samaghogha,

Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4	PCI Unit
01	Date of Sampling	---	26-09-2012	26-09-2012	26-09-2012	26-09-2012	26-09-2012
02	Time of sampling	Hr.	10.15	11.30	12.45	16.00	9.15
03	Stack Attached to	---	Boiler - I	Boiler - II	Dedusting System	Stove Stack	Coal Pulverization
04	Air Pollution Control Measures	---	---	---	Bag Filter	-----	Bag Filter
05	Stack Height	Meter	45	45	35.0	50.0	32.00
06	Stack Diameter	Meter	1.380	1.380	1.484	2.250	---
07	Stack Temperature	°C	199	205	55	350	66
08	Ambient Temperature	°C	33	32	34	33	34
09	Average Velocity of Flue Gases	M/Sec.	9.0	8.4	7.9	8.8	7.5
10	Isokinetic flow rate for P.M. Sampling	LPM	24	22	31	18	28
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	2.0	2.0	2.0
12	Permissible limits for PM	mg/Nm <sup>3</sup>	150	150	150	150	150
13	Measured Concentration of PM.	mg/Nm <sup>3</sup>	NIL	NIL	49	43	66
14	Permissible limits for SO <sub>2</sub>	mg/Nm <sup>3</sup>	40	40	40	40	100 (PPM)
15	Measured Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	5.6	4	N.D.	N.D.	2.3 (PPM)
16	Permissible limits for Nox	mg/Nm <sup>3</sup>	25	25	25	25	50 (PPM)
17	Measured Concentration of Nox	mg/Nm <sup>3</sup>	6.9	8.1	6.8	4.9	0.81 (PPM)

Note : Minimum Detectable Limit of SO<sub>2</sub> & Nox is 0.1 and 0.01 ppm respectively.

Instrument Used : Stack Monitoring Kit - Vayubodhan make - VSS I

Both Stack kit Recalibration is Due on : 21/04/2013

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Ref. No. : 430/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS PIPE PLANT-ID-18036

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4	Stack No. 5
01	Date of Sampling	---	27-09-2012	27-09-2012	27-09-2012	27-09-2012	27-09-2012
02	Time of sampling	Hr.	10.00	11.00	11.30	12.00	15.00
03	Stack Attached to	---	Mg Converter-I	Zn Coating - I	Zn Coating - II	Anneling Furnace - I	Anneling Furnace - II
04	Air Pollution Control Measures	---	Bag Filter	Cyclone Seprater & Bag Filter	Cyclone Seprater & Bag Filter	---	---
05	Stack Height	Meter	30	30	30	32	32
06	Stack Diameter	Meter	0.488	0.584	0.584	1.375	1.375
07	Stack Temperature	°C	59	46	51	173	121
08	Ambient Temperature	°C	33	33	33	35	34
09	Average Velocity of Flue Gases	M/Sec.	9.8	11.4	10.2	8.0	8.7
10	Isokinetic flow rate for P.M. Sampling	LPM	16	20	18	23	28
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	2.0	2.0	2.0
h	Permissible limits for PM	mg/Nm3	150	20 (Zn)	20 (Zn)	150	150
13	Measured Concentration of PM	mg/Nm3	46	18 (Zn)	16 (Zn)	41	43
14	Permissible limits for SO2	mg/Nm3	40	NA	NA	100 (PPM)	100 (PPM)
15	Measured Concentration of SO2	mg/Nm3	N.D.	NA	NA	3.2(PPM)	3.6 (PPM)
16	Permissible limits for Nox	mg/Nm3	25	NA	NA	50 (PPM)	50 (PPM)
17	Measured Concentration of Nox	mg/Nm3	3	NA	NA	6.1 (PPM)	5.2 (PPM)

Note : Minimum Detectable Limit of SO2 & Nox is 0.1 and 0.01 ppm respectively.  
Instrument Used : 2 Nos of Stack Monitoring Kit - Vayubodhan make - VSS I  
Both Stack kit Recalibration is Due on : 21/04/2013

N.D= Not Detectable

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Ref. No. : 431/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS Pipe Complex

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4	Stack No. 5
01	Date of Sampling	---	25-09-2012	NOT IN	25-09-2012	NOT IN	25-09-2012
02	Time of sampling	Hr.	10.00	OPERATION	11.00	OPERATION	15.00
03	Stack Attached to	---	Core Shop-II	Bitumin Drying Oven - I	Bitumin Drying Oven - II	Barrel Grinding - I	Barrel Grinding - II
04	Air Pollution Control Measures	---	---	---	---	Bag Filter	Bag Filter
05	Stack Height	Meter	30	32.8	32.8	30	30
06	Stack Diameter	Meter	0.584	1.375	1.375	0.584	0.584
07	Stack Temperature	°C	55	---	159	---	43
08	Ambient Temperature	°C	33	---	33	---	34
09	Average Velocity of Flue Gases	M/Sec.	18.0	---	7.8	---	15.0
10	Isokinetic flow rate for P.M. Sampling	LPM	12	---	23	---	11
11	Gaseous Sampling Flow Rate	LPM	2.0	---	2.0	---	2.0
12	Permissible limits for PM	mg/Nm3	150	150	150	150	150
13	Measured Concentration of PM.	mg/Nm3	33	---	110	---	45
14	Permissible limits for SO2	mg/Nm3	40	100 (PPM)	100 (PPM)	40	40
15	Measured Concentration of SO2	mg/Nm3	3.9	---	7.5 (PPM)	---	2.9
16	Permissible limits for Nox	mg/Nm3	25	50 (PPM)	50 (PPM)	25	25
17	Measured Concentration of Nox	mg/Nm3	5.0	---	11.5 (PPM)	---	5.9

Note : Minimum Detectable Limit of SO2 & Nox is 0.1 and 0.01 ppm respectively.  
Instrument Used : 2 Nos of Stack Monitoring Kit - Vayubodhan make - VSS I  
Both Stack kit Recalibration is Due on : 21/04/2013

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Ref. No. : 432/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS Pipe Complex

Name of company : Jindal Saw Limited,

Village: Samaghogha,

Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No.	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4
01	Date of Sampling	---	26-09-2012	26-09-2012	NOT IN	26-09-2012
02	Time of sampling	Hr.	16.00	16.15	OPERATION	17.30
03	Stack Attached to	---	Core Cleaning & Dusting	Core Shop-I	Shot Blasing (Coating Plant)	Sand Reclamation
04	Air Pollution Control Measures	---	Bag Filter	---	Cyclone Seprater & Bag Filter	Bag Filter
05	Stack Height	Meter	30	30	30	32
06	Stack Diameter	Meter	0.588	0.584	0.588	---
07	Stack Temperature	°C	46	33	---	43
08	Ambient Temperature	°C	33	33	---	33
09	Average Velocity of Flue Gases	M/Sec.	10.7	12.4	---	13.7
10	Isokinetic flow rate for P.M. Sampling	LPM	19	23	---	25
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	---	2.0
12	Permissible limits for PM	mg/Nm <sup>3</sup>	150	150	150	150
13	Measured Concentration of PM	mg/Nm <sup>3</sup>	44	41	---	43
14	Permissible limits for SO <sub>2</sub>	mg/Nm <sup>3</sup>	40	40	40	40
15	Measured Concentration of SO <sub>2</sub>	mg/Nm <sup>3</sup>	N.D.	N.D.	---	NIL
16	Permissible limits for Nox	mg/Nm <sup>3</sup>	25	25	25	25
17	Measured Concentration of Nox	mg/Nm <sup>3</sup>	N.D.	3.6	---	NIL

Note : Minimum Detectable Limit of SO<sub>2</sub> & Nox is 0.1 and 0.01 ppm respectively.  
Instrument Used : 2 Nos of Stack Monitoring Kit - Vayubodhan make - VSS I  
Both Stack kit Recalibration is Due on : 21/04/2013

N.D= Not Detectable

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Ref. No. : 433/09/2012-13

Date : 10/09/2012

### STACK EMISSION MONITORING RESULTS Pipe Complex- SDP

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 11255\_1/2/3/7

Sr. No.	Particulars	Unit	Stack No. 1	Stack No. 2	Stack No. 3
01	Date of Sampling	---	26-09-2012	26-09-2012	26-09-2012
02	Time of sampling	Hr.	17.00	18.00	13.00
03	Stack Attached to	---	Mg Converter -II	Zn Coating - III	Zn Coating - IV & V
04	Air Pollution Control Measures	---	Bag Filter	Cyclone Seprater & Bag Filter	Cyclone Seprater & Bag Filter
05	Stack Height	Meter	30	30	30
06	Stack Diameter	Meter	0.488	---	---
07	Stack Temperature	°C	44	46	50
08	Ambient Temperature	°C	34	33	33
09	Average Velocity of Flue Gases	M/Sec.	12.1	11.3	12.8
10	Isokinetic flow rate for P.M. Sampling	LPM	21	20	22
11	Gaseous Sampling Flow Rate	LPM	2.0	2.0	2.0
12	Permissible limits for PM	mg/Nm3	150	20 (Zn)	20 (Zn)
13	Measured Concentration of PM.	mg/Nm3	33	16 (Zn)	18 (Zn)
14	Permissible limits for SO2	mg/Nm3	40	NA	NA
15	Measured Concentration of SO2	mg/Nm3	N.D.	NA	NA
16	Permissible limits for Nox	mg/Nm3	25	NA	NA
17	Measured Concentration of Nox	mg/Nm3	3.0	NA	NA

Note : Minimum Detectable Limit of SO2 & Nox is 0.1 and 0.01 ppm respectively.  
Instrument Used : 2 Nos of Stack Monitoring Kit - Vayubodhan make - VSS I  
Both Stack kit Recalibration is Due on : 21/04/2013

N.D.= Not Detectable

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Ref. No. :434/09/2012-13

Date : 10/09/2012

### AMBIENT AIR QUALITY MONITORING REPORT

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Test Method : As per IS Standards - 5182\_2/4/6

Sr. No.	Particulars	Unit	AAQM - 1	AAQM - 2	AAQM - 3	AAQM - 4
01.	Location of Ambient	----	Nr. New Colony	Nr. Old Colony	Inside Plant Area (Nr. Spiral II)	Nr. Temple
02.	Date of sampling	----	27/09/2012	27/09/2012	27/09/2012	27/09/2012
03.	Time of sampling	Hr.	8.10	9.30	10.00	11.00
04.	Duration of Sampling	Min.	1440.00	1440.00	1440.00	1440.00
05.	Dominant Wind Direction (From)	-----	NW	NW	NW	NW
06.	Average Wind Speed	Km/Hr.	2 to 8	2 to 8	2 to 8	2 to 8
07.	Average flow rate during sampling	m <sup>3</sup> /Hr.	1.0	1.0	1.0	1.0
08.	Average flow rate for Gas sampling	LPM	0.2	0.2	0.2	0.2
09.	Permissible limits for PM 10	µg/m <sup>3</sup>	100	100	100	100
10.	Measured Concentration of PM 10	µg/m <sup>3</sup>	37	41	46	44
11.	Permissible limits for PM 2.5	µg/m <sup>3</sup>	60	60	60	60
12.	Measured Concentration of PM 2.5	µg/m <sup>3</sup>	27	25	23	30
13.	Permissible limits for SO <sub>x</sub>	µg/m <sup>3</sup>	80	80	80	80
14.	Measured Concentration of SO <sub>x</sub>	µg/m <sup>3</sup>	11.4	12.8	13.6	14.7
15.	Permissible limits for No <sub>x</sub>	µg/m <sup>3</sup>	80	80	80	80
16.	Measured Concentration of NO <sub>x</sub>	µg/m <sup>3</sup>	19.2	21.7	20.8	22.9
17.	Permissible limits for CO	µg/m <sup>3</sup>	2000	2000	2000	2000
18.	Measured Concentration of CO	µg/m <sup>3</sup>	N.D.	N.D.	N.D.	N.D.

Instrument used : 4 Nos of Envirotech make (RDS), and 2.5 Attachment Model No. APM - 460 BL, Gaseous Sampling Kit,  
All are Calibration due on 1.) 04/05/2013, 22/04/2013 & 10/12/2012

N.D= Not Detectable

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Ref. No. : 436/09/2012-13

Date : 10/09/2012

### WORK ZONE NOISE LEVEL MEASUREMENT

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Date of Sampling : 25th & 26th September-2012

Sr. No.	Location of Sampling	Results Avg. in dB(A)
01.	Inside Control Room of Sinter Plant	67.9
02.	Nr. Stock House of BF	67.9
03.	Inside Control Room of BF	66.1
04.	Inside Control Room of Blower House	72.0
05.	Inside Control of Cast House	69.3
06.	Inside Control Room of CPP	72.0
07.	Inside Control Room of Annealing Furnace of DISP	66.0
08.	Inside Laboratory of BF	70.5
09.	Inside Laboratory of DISP	69.0
10.	Inside ID & OD Control Room of JCO Plant	73.0
11.	Inside Control Room – Mill area of Spiral Plant	74.8
12.	Inside Spiral – 1	70.9
13.	Nr. Pipe cutting Area of Spiral Plant	71.5
14.	Inside JCO Plant	68.9
15.	Nr. JCO Press	71.4
16.	Inside DISP Plant	73.6
17.	Inside Coating Plant	68.9

Instruments used : Sound level meter, Model : SL - 4001 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Recalibration is Due On : 06/10/2012

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Ref. No. : 438/09/2012-13

Date : 10/09/2012

### WATER SAMPLES ANALYSIS REPORT

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Date of Sample Collection : 27/09/2012

Source of Sample : Borewell Water Sample From Nr, Mess

Sr. No.	Parameters	Unit	Acceptable Limit(*)	Permissible Limits(*)	Results
01.	Colour	Pt.Co.Scale	5	15	Colourless
02.	Odour	--	Agreable	Agreable	Odourless
03.	pH	pH Unit	6.5 to 8.5	No Relaxation	7.55
04.	T.D.S.	Mg/L	500	2000	1336
05.	Total Hardness	Mg/L	200	600	545
06.	Turbidity	NTU	1	5	1.5
07.	Chloride	Mg/L	250	1000	530
08.	Alkalinity	Mg/L	200	600	314
09.	Phenolic Compound	Mg/L	0.001	0.002	NIL
10.	Residual Chlorine	Mg/L	0.2	1.0	NIL
11.	Fluoride	Mg/L	1.0	1.5	0.46
12.	Ca as Ca	Mg/L	75	200	238
13.	Mg as Mg	Mg/L	30	100	84
14.	Copper	Mg/L	0.05	1.5	NIL
15.	Iron	Mg/L	0.3	No Relaxation	0.32
16.	Manganese	Mg/L	0.1	0.3	0.58
17.	Sulphate	Mg/L	200	400	0.07
18.	Nitrate	Mg/L	45	No Relaxation	8

(\*) Acceptable Limit & Permissible Limits as per IS 10500 : 2012, Drinking Water Specification

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Ref. No. : 437/09/2012-13

Date : 10/09/2012

### AMBIENT NOISE LEVEL MEASUREMENT

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Date of Sampling: 25th & 26th September-2012

Sr. No.	Location of Sampling	Results in dB(A) (Day Time)	Results in dB(A) (Night Time)
	<b>Permissible Limits</b>	<b>75.0</b>	<b>70.0</b>
01.	Nr. Admin. Building	66.9	63.1
02.	Nr. Old Colony	65.4	63.5
03.	Nr. LPG Yard	63.9	63.9
04.	Nr. Sinter Plant	70.2	67.4
05.	Nr. R. O. Plant	66.1	67.3
06.	Nr. Gate No. 2	68.3	65.0
07.	Nr. New Colony	67.4	64.2

Instruments used : Sound level meter, Model : SL - 4001 (Lutron Make)

Range : A - 30 to 80 dB, B-50 to 100 dB, C-80 to 130 dB.

Recalibration is Due On : 06/10/2012

Royal Environment Auditing & Consultancy Service



Shivpal  
Analyst



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Ref. No. : 440/09/2012-13

Date : 10/09/2012

### Bag Filter Efficiency Report

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Date of Sampling: 27/09/2012

Sr. No.	Particulars	Unit	Stack Attached to			
			Mg Converter-I	Zn Coating - I	Barrel Grinding - II	Zn Coating - II
1	Stack Height	Meter	30	30	30	30
2	Stack Diameter	Meter	0.488	0.584	0.584	0.584
3	Stack Temperature	°C	59	46	43	51
4	Ambient Temperature	°C	33	33	34	33
5	Average Velocity of Flue Gases	M/Sec.	9.8	11.4	15.0	10.2
6	Inlet	mg	1522	1770	1236	18022
7	outlet	mg	46	18	45	16
8	Efficiency	Percentage	97.0	99.0	96.4	99.9

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Ref. No. : 439/09/2012-13

Date : 10/09/2012

### REPORT OF EFFLUENT ANALYSIS

Name of company : Jindal Saw Limited,  
Village: Samaghogha,  
Tal. : Mundra, Dist. Kutch

Source Of Sample Collection : Domestic Effluent After Treatment

Date of Sample Collection : 27/09/2012

Sr. No.	Parameters	Unit	GPCB limits	STP Inlet	STP Outlet
01.	pH	pH Unit	-----	7.86	7.45
02.	BOD (3 Days at 27°C)	Mg/L	20	167	18
03.	Suspended Solids	Mg/L	30	79	13
04.	Residual Chlorine	Mg/L	Min. 0.5	----	0.65

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