

# **ANNEXURE B**

## **AMBIENT AIR QUALITY ANALYSIS REPORT**

MOEF letter No:- J-11011/231/2009-IA II(I) Dated 8<sup>th</sup> June 2009





# Royal

## Environment Auditing & Consultancy Service

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

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

Ref. No. : 706/04/2017-18

Date : 06/05/2017

### REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Gallantt Metal Limited**

Survey No. 175/1,

Near toll gate,

Village : Samakhyali,

Taluka : Bhachau,

Kutch, Gujarat.

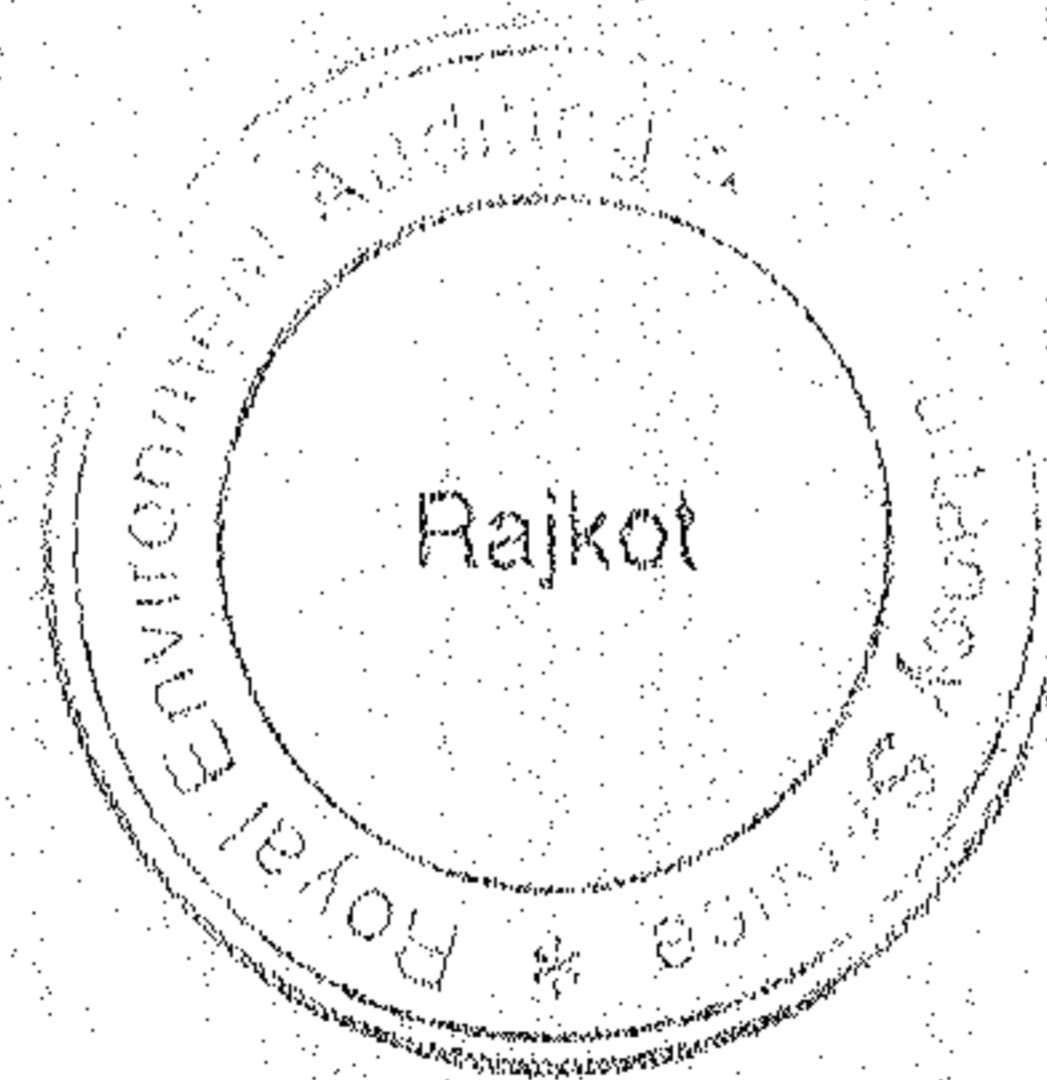
Sr. No.	Particulars	Unit	Location No. 1	Location No. 2
01.	Location of Sampling	---	Officer Colony	Main Security Gate
02.	Date of sampling	---	29-04-2017	29-04-2017
03.	Time of sampling	Hr	7.50	8.05
04.	Duration of Sampling	Min.	1440	1440
05.	Average Wind Speed	Km/Hr	6 to 14	6 to 14
06.	Average flow rate during sampling	m <sup>3</sup> /Hr	1.1	1.0
07.	Average flow rate for Gas sampling	LPM	0.2	0.2
08.	<b>Permissible Limits of PM 2.5</b>	µg/m <sup>3</sup>	<b>60</b>	<b>60</b>
09.	Measured Concentration of PM 2.5	µg/m <sup>3</sup>	34	38
10.	<b>Permissible Limits of PM 10</b>	µg/m <sup>3</sup>	<b>100</b>	<b>100</b>
11.	Measured Concentration of PM 10	µg/m <sup>3</sup>	60	55
14.	<b>Permissible Limits of SOx</b>	µg/m <sup>3</sup>	<b>80</b>	<b>80</b>
15.	Measured Concentration of SOx	µg/m <sup>3</sup>	11.6	10.2
16.	<b>Permissible Limits of NOx</b>	µg/m <sup>3</sup>	<b>80</b>	<b>80</b>
17.	Measured Concentration of NOx	µg/m <sup>3</sup>	18.5	17.6

Instrument used : 1) Ecotech make (RDS), Model No. APM - 217 BL, Gaseous Sampling Kit No. AAS 190

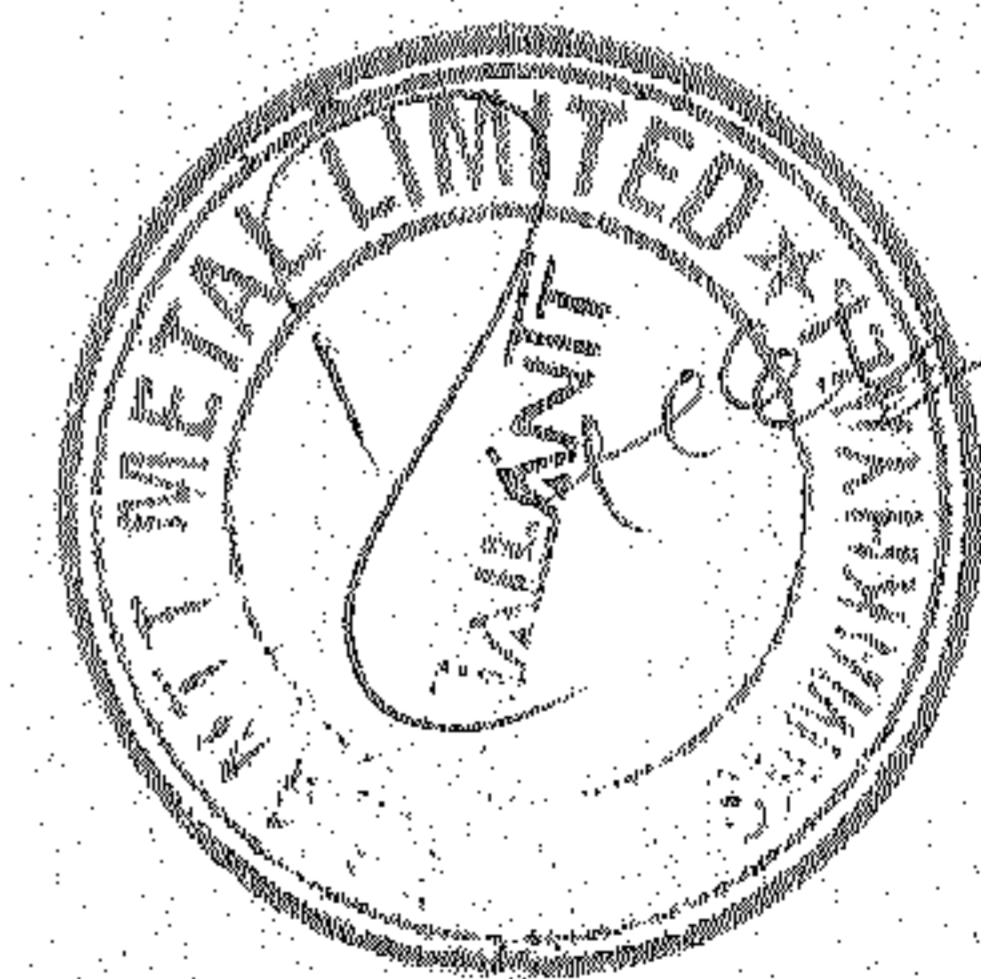
2) Ecotech make 2 Nos. PM 2.5 ,

Calibration due on : 1) 15/05/2017

Royal Environment Auditing & Consultancy Service



*Prudell*  
Analyst







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Ref. No. : 708/04/2017-18

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Taluka : Bhachau.

Kutch, Gujarat.

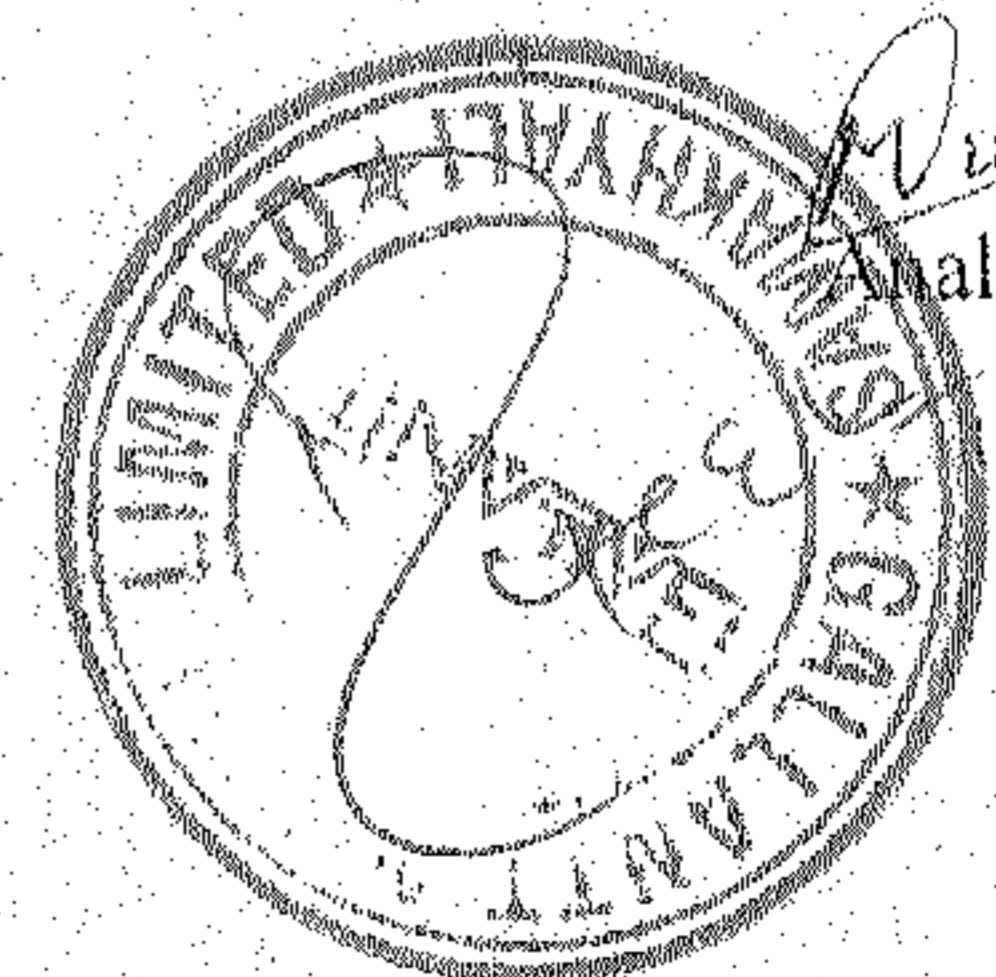
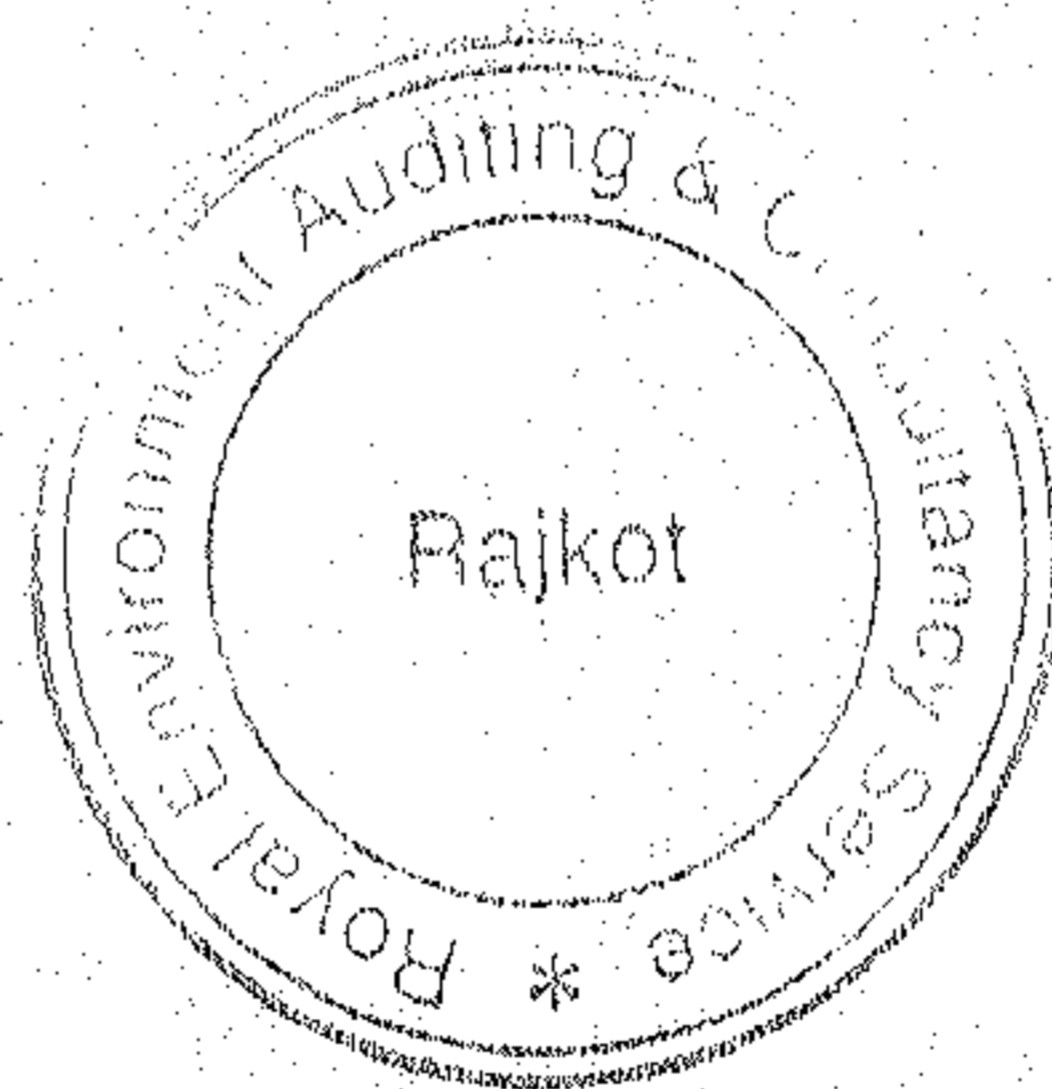
Sr. No.	Particulars	Unit	Location No. 3	Location No. 4
01.	Location of Sampling	---	B/h. Kiln 1 & 2	Nr. Furnace Area
02.	Date of sampling	---	30-04-2017	30-04-2017
03.	Time of sampling	Hr	8.00	7.50
04.	Duration of Sampling	Min.	1440	1440
05.	Average Wind Speed	Km/Hr	6 to 17	6 to 17
06.	Average flow rate during sampling	m <sup>3</sup> /Hr	1.0	1.0
07.	Average flow rate for Gas sampling	LPM	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m <sup>3</sup>	60	60
09.	Measured Concentration of PM 2.5	µg/m <sup>3</sup>	35	37
10.	Permissible Limits of PM 10	µg/m <sup>3</sup>	100	100
11.	Measured Concentration of PM 10	µg/m <sup>3</sup>	61	53
14.	Permissible Limits of SO <sub>x</sub>	µg/m <sup>3</sup>	80	80
15.	Measured Concentration of SO <sub>x</sub>	µg/m <sup>3</sup>	16.3	17.5
16.	Permissible Limits of NO <sub>x</sub>	µg/m <sup>3</sup>	80	80
17.	Measured Concentration of NO <sub>x</sub>	µg/m <sup>3</sup>	19.5	21.6

Instrument used : 1) Ecotech make (RDS), Model No. APM - 217 BL, Gaseous Sampling Kit No. AAS 190

2) Ecotech make 2 Nos. PM 2.5 ,

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Ref. No. 732/07/2017-18

Date : 03/08/2017

### REPORT OF AMBIENT AIR QUALITY MONITORING

Name of company : **Gallantt Metal Limited**

Survey No. 175/1,

Near toll gate,

Village : Samakhya,

Taluka : Bhachau,

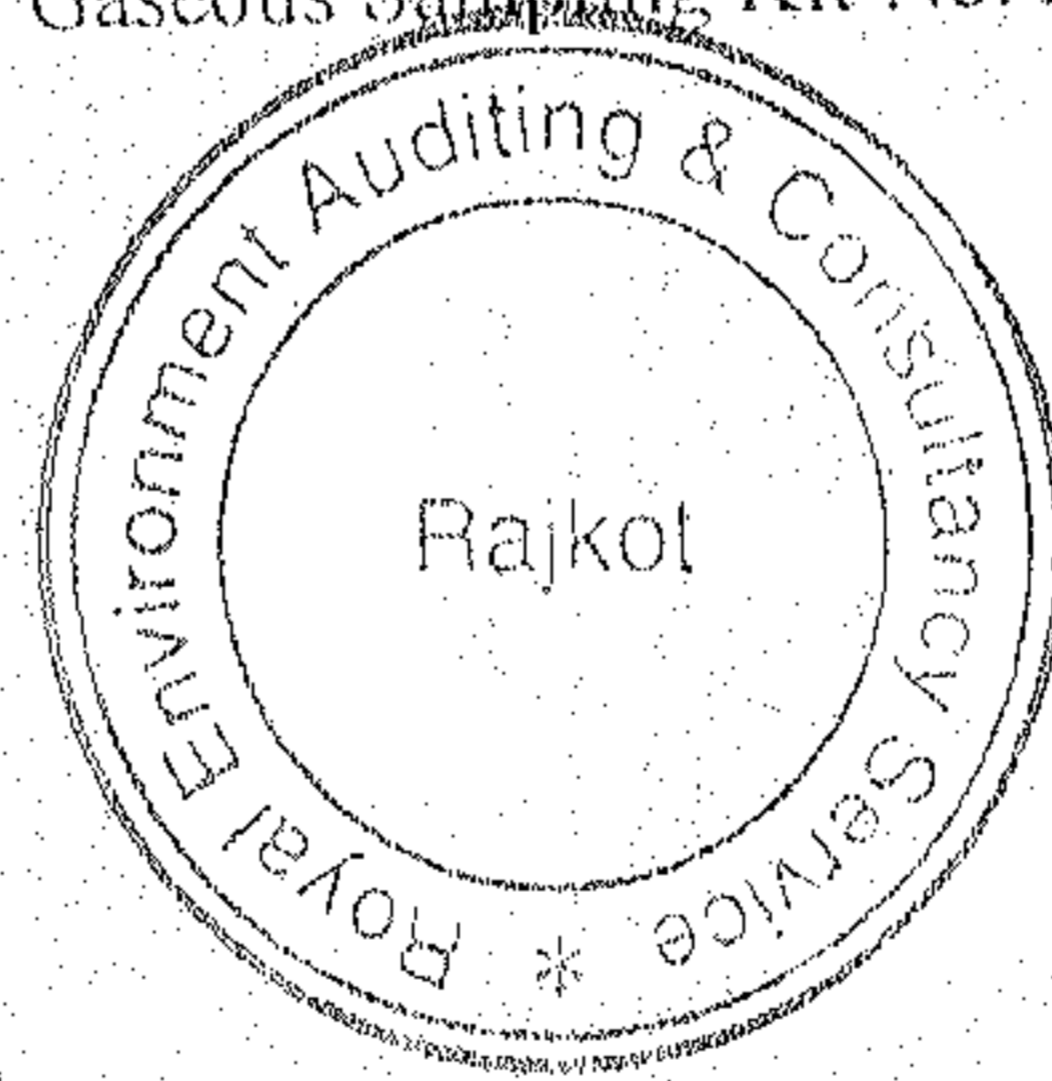
Kutch, Gujarat.

Sr. No.	Particulars	Unit	Location No. 1	Location No. 2
01.	Location of Sampling	---	Officer Colony	Main Security Gate
02.	Date of sampling	---	29-07-2017	29-07-2017
03.	Time of sampling	Hr	7.10	7.25
04.	Duration of Sampling	Min.	1440	1440
05.	Average Wind Speed	Km/Hr	7 to 15	7 to 15
06.	Average flow rate during sampling	m <sup>3</sup> /Hr	1.0	1.0
07.	Average flow rate for Gas sampling	LPM	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m <sup>3</sup>	60	60
09.	Measured Concentration of PM 2.5	µg/m <sup>3</sup>	26	29
10.	Permissible Limits of PM 10	µg/m <sup>3</sup>	100	100
11.	Measured Concentration of PM 10	µg/m <sup>3</sup>	53	58
11.	Permissible Limits of SO <sub>x</sub>	µg/m <sup>3</sup>	80	80
15.	Measured Concentration of SO <sub>x</sub>	µg/m <sup>3</sup>	11.9	10.7
16.	Permissible Limits of NO <sub>x</sub>	µg/m <sup>3</sup>	80	80
17.	Measured Concentration of NO <sub>x</sub>	µg/m <sup>3</sup>	17.6	18.4

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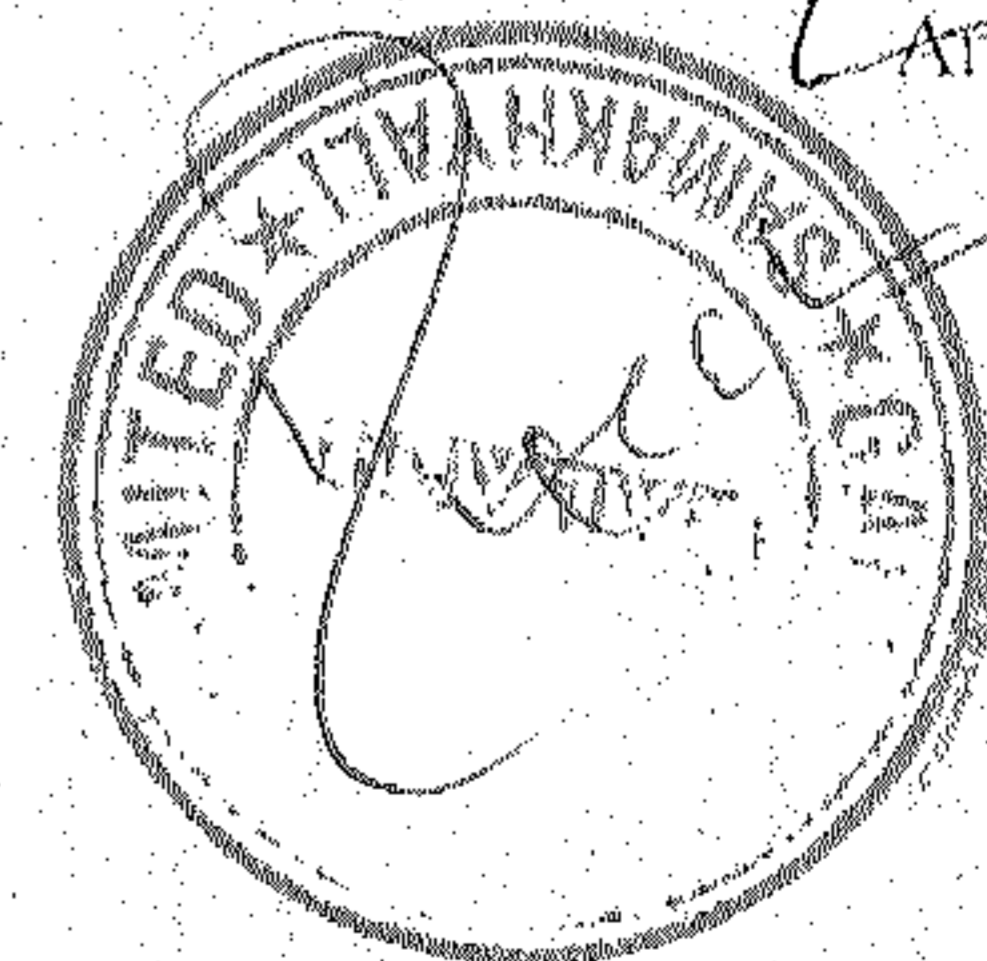
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Calibration due on : 1) 05/05/2018



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Date : 03/08 2017

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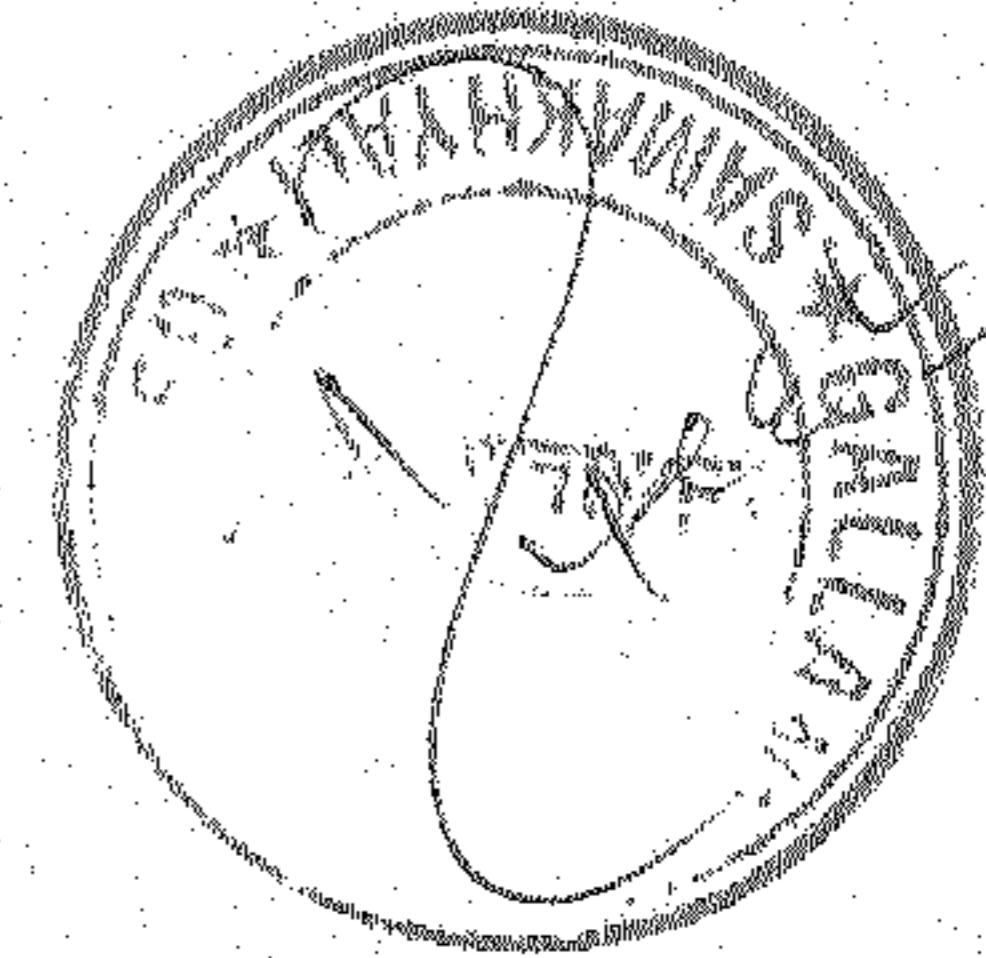
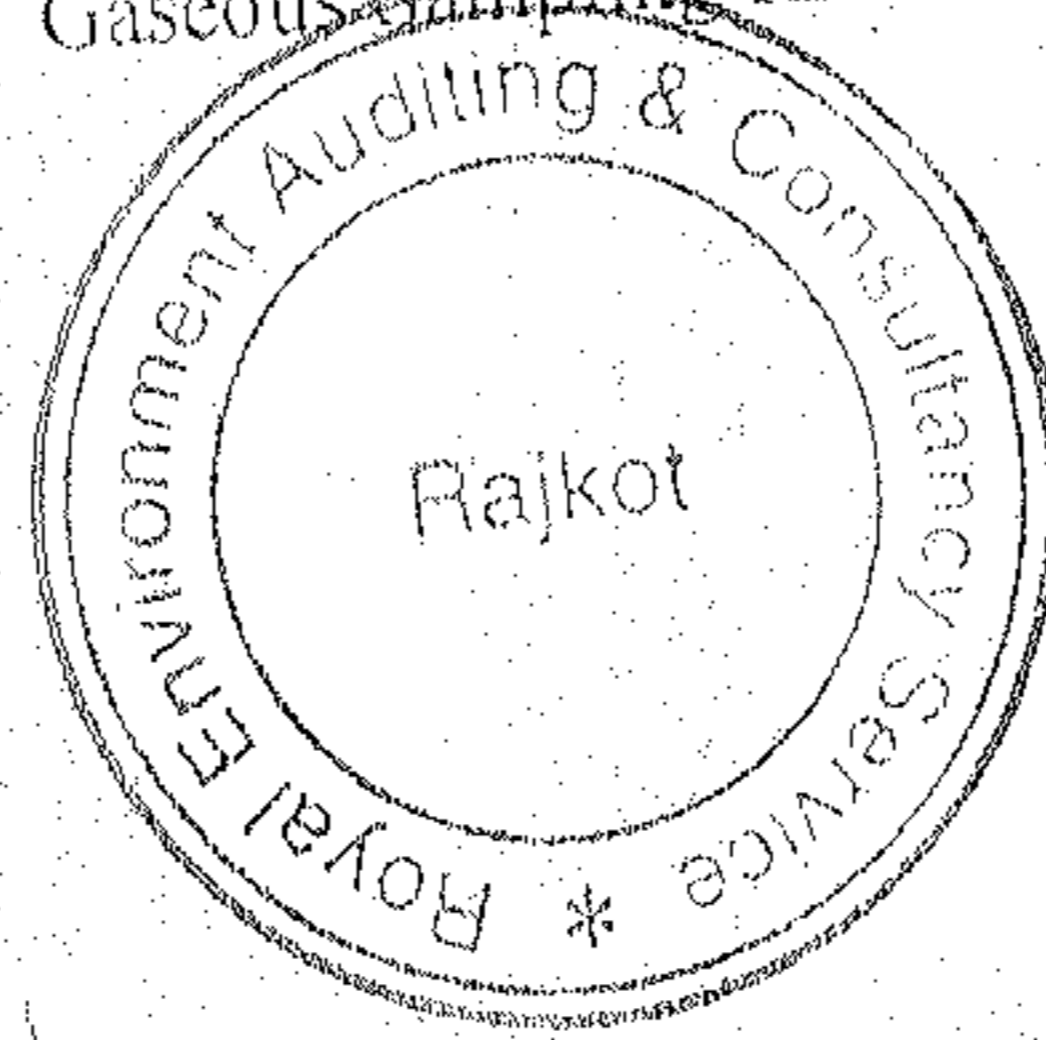
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Sr. No.	Particulars	Unit	Location No. 3	Location No. 4
01.	Location of Sampling	---	B/h. Kiln 1 & 2	Nr. Furnace Area
02.	Date of sampling	---	29-07-2017	29-07-2017
03.	Time of sampling	Hr	7.35	7.45
04.	Duration of Sampling	Min.	1440	1440
05.	Average Wind Speed	Km/Hr	7 to 15	7 to 15
06.	Average flow rate during sampling	m <sup>3</sup> /Hr	1.1	1.0
07.	Average flow rate for Gas sampling	LPM	0.2	0.2
08.	Permissible Limits of PM 2.5	µg/m <sup>3</sup>	60	60
09.	Measured Concentration of PM 2.5	µg/m <sup>3</sup>	24	21
10.	Permissible Limits of PM 10	µg/m <sup>3</sup>	100	100
11.	Measured Concentration of PM 10	µg/m <sup>3</sup>	48	43
14.	Permissible Limits of SOx	µg/m <sup>3</sup>	80	80
15.	Measured Concentration of SOx	µg/m <sup>3</sup>	15.3	16.4
16.	Permissible Limits of NOx	µg/m <sup>3</sup>	80	80
17.	Measured Concentration of NOx	µg/m <sup>3</sup>	18.6	20.7

Instrument used : 1) Ecotech make (RDS), Model No. APM - 217 BL, Gaseous Sampling Kit No. AAS 190

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