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**TEST REPORT****Stack Emission Analysis**

**Test Report No. :** EK0/EV-SE/103/130417 **Issue Date** 20/04/2017

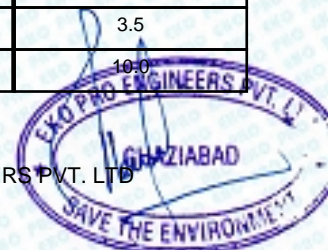
**Issued To** Design Co (DC)  
Lakari, Fazlpur,  
Delhi Road, Moradabad,  
(U.P.)

**Sample Description** Stack Emission  
**Sample Drawn on** 12/04/2017  
**Sample Drawn by** EPEPL (Mr. Alok Kumar)  
**Sample Received on** 13/04/2017  
**Time of Sampling (minutes)** 30.0  
**Sampling Location** NA  
**Sampling Plan & Procedure** SOP-Se/09  
**Analysis Duration** 13/04/2017 To 19/04/2017  
**Source of Emission** Stack Attached To DG Set  
**Capacity** 200 KVA  
**Operating Load** Normal  
**Normal Operation Schedule** As per requirement  
**Type of Stack** Metal/Circular  
**Diameter of Stack (meter)** 0.1  
**Height of Stack from Ground Level (meter)** 9.1  
**Height of Stack from Roof Level (meter)** 3.0  
**Height of Sampling Location (meter)** Sampling done from top of the stack  
**Type of Fuel Used** HSD  
**Fuel Consumed per Hour** 30.0 lph  
**Ambient Temperature (°C)** 36.0  
**Stack Temperature (°C)** 137.0  
**Average Velocity of Fuel Emission (m/sec)** 14.6  
**Average Flow Rate (lpm)** 16.9  
**Control Measures (if any)** Nil  
**Remark (if any)** Quantity of Emission (Nm<sup>3</sup>/hr) = 300.17

**RESULTS**

S.No.	PARAMETER	Test Methods	Results	Units	LIMITS AS PER EPA*
1	Particulate Matter (as PM)	IS : 11255 (P-1)	0.168	gm/kw-hr	0.3
2	Sulphur Dioxide (as SO <sub>2</sub> )	IS : 11255 (P-2)	0.032	gm/kw-hr	-
3	Oxides of Nitrogen (as NO <sub>x</sub> )	IS : 11255 (P-7)	0.243	gm/kw-hr	9.2
4	Carbon monoxide (as CO)	IS :13270	0.187	gm/kw-hr	3.5
5	Lead (as Pb)	USEPA (P-12)	<1.0	mg/Nm <sup>3</sup>	10.0

For EKO PRO ENGINEERS PVT. LTD



Authorized Signatory



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# EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory

(An ISO 9001:2008 Certified Company)

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\* Details as per EPA-1986 SL-95 Schedule - I

**Notes :**

**\*\*End of Report\*\***

1. The results given above are related to the tested sample, as received & mentioned parameters.  
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without written permission of the Laboratory.
3. This test report will not be use for any publicity/legal purpose.
4. This test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

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