



South Asia

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**Test Report No. DEL/E(A)/15/002107**  
**Dated 20/08/2015**

**Issued To** : J.K. Cement Works (Unit of JK cement Ltd)  
Kailash,  
NagarMangrol Plant,  
Chittorgrah, Rajasthan  
India-312617

**Attention** : Mr. K.M. Jain,

**Customer Ref. No.** : Order No. 4600026916 Dated 07/07/2015

**Sample Particulars** :

**Sample Name** : Stack Emission

**Sample Description** : One Stack Emission Sample was collected by us dated on 02.08.2015 , Power plant stack

**Sampling Location** : From sampling port

**Date of Sampling** : 02.08.2015

**Sampled by** : Mr. Umesh Kumra (TUV Representative )

**Client's Representative** : Mr.Sumitabh

**Sampling Protocol** : As per LAB\_F(e)\_02

**Stack identification** : Power Plant Stack

**Sample condition** : Good

**Type of chimney (ACC/metal)** : Metal

**c) From ground level** : 110

**Diameter of stack (cm)** : 290

**Sampling Duration (in minutes )** : 46

**Parameter monitored** : PM , Flow , Temp, pressre, moistuer, SO<sub>2</sub>, Nox, Co, Co<sub>2</sub>

**Purpose of monitoring** : Assessment of pollution load

**Control measure (if any)** : ESP

**Recovery of material (if any)** : Nil

**General sensory observation** : Normal

**Fugitive emission (if any)** : Nil

**Stack Temp. (°C)** : 109

**Ambient Temp. (°C)** : 28

**Average Stack Velocity (m/sec)** : 6.65

**Quantity of emission (Nm<sup>3</sup>/hr)** : 123294

Note: The test report is electronically generated. Hence original signature is not required. For any technical query, please contact Dr. Shobhit Shrivastav at Shobhit.Shrivastav@tuv-sud.in and for any complaint please contact Kohli, Shilpi at Shilpi.kohli@tuv-sud.in .

Note : (1) General Terms & Conditions as mentioned overleaf, (2) The results relate only to the items tested, (3) the test report shall not be reproduced except in full without the written approval of the laboratory

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ControlNo:050815.007

Regd. Office:  
C-153/1, Phase -I, Okhla  
Industrial Area

TUV®



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## Test Report No. DEL/E(A)/15/002107

Dated 20/08/2015

Date of Sample Receipt : Received on 05/08/2015 10:25 am

Date of Analysis : 05/08/2015

Date of Completion : 18/08/2015

Note : The submitted sample is Drawn by the Laboratory

Authorised By

Vinay Vikram Singh  
Report Reviewer

Dr. Shobhit Shrivastav  
Authorized Signatory





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S. NO.	PARAMETERS	UNIT	TEST RESULT	TEST METHOD
1	Moisture content	%	1.97	USEPA 4
2	Carbon Monoxide (CO)	mg/Nm <sup>3</sup>	73.5	Lab SOP No -2
3	Nitrogen Oxide ( as NOx )	mg/Nm <sup>3</sup>	73.5	Lab Sop No-2
4	Particulate Matter	mg/Nm <sup>3</sup>	37.1	IS : 11255 (Part -1)
5	Sulphur Dioxide [As SO <sub>2</sub> ]	mg/Nm <sup>3</sup>	1198.5	Lab SOP No.-2 (Based on Manufactures Mannual)
6	Carbon dioxide (as CO <sub>2</sub> )	%	12.1	LAB SOP No. - 2

Authorised By

*Udit Rajput*  
Udit Rajput  
(Senior Chemist)



- END OF TEST REPORT -