



NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS
INDEPENDENT TESTING LABORATORIES, HYDERABAD



C.No.T-0954

TEST CERTIFICATE

Sample : Said to be PPC Condition of sample : Satisfactory
 Customer's Name & Address : M/s. Emami Cement Ltd., Works: Vill. Risda, Suhela Road, Baloda Bazar, Dist.Baloda Bazar (C.G.)- 493 332
 Laboratory Mark : TSH-160243 Identification : Yr Ltr dated 06.06.2016
 Date of performance of Test : 13.06.2016 to 19.07.2016 Date of Receipt : 08.06.2016
 Tested as per : IS: 4031-1988 Specification : 1489(Part-1)-1991

Sl.No.	Tests Carried Out	Results Obtained
1	Fineness (Blaine)	430 m ² /kg
2	Setting Time	- Initial 120 minutes - Final 210 minutes
3	Soundness	- Le Chatelier Expansion 1.00 mm - Autoclave Expansion 0.06 Percent
4	Compressive strength at	- 24 ± ½ hrs 24.5 MPa - 72 ± 1 hrs 38.0 MPa - 168 ± 2 hrs 44.0 MPa - 672 ± 4 hrs 55.0 MPa
5	Drying shrinkage	0.07 Percent

Conditions:

1. Results given above refer only to the sample supplied.
2. This report is being issued on the specific understanding that NCB will not in any way be involved in any action following interpretation of the above results.
3. This report shall not be reproduced except in full without written approval from NCB.
4. Corresponding requirements in accordance with recognized standards are available from NCB on specific request.
5. The balance quantity of the tested sample wherever possible shall be retained only for a period of **Two months** from the date of issue of the Test Certificate.

-- End --

Rave.
(V. RAMA)

T. Mohan Rao
T. MOHAN RAO
MANAGER
Authorised Signatory
Centre for Cement Research
and Independent Testing