



M/s Reliant Engineers & Consultants

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NABL ACCREDITED & ISO-9001:2008 LAB
SCO-14 Factory Area Opp. Mehar Hospital, Patiala

Approved by: Pb. & Hr. PWD B&R Deptt., M.E.S. TBRL., CPWD, Hr. Housing Bd., H.P.H.C Ltd., H.S.I.D.C., Puda, Gamada, Pb. Mandi Board.

Dated- 18-03-2021

Ref.No.-- REC/ 311-D /2021

AGENCY NAME :- " JAIN BANSAL & COMPANY ."

Subject :- Detailed testing report of bricks of Brand S.B.K mark as per requirements of above said Project, sample supplied to our Lab with Ref No- NIL on Dated :- 13-03-2021 .

Sir,

here we are submitting with the detailed Analysis of Bricks of Brand S.B.K mark as per requirements of above said Project.

Testing details as per actual are attached along with Report :

Bricks of S.B.K mark samples from Site supplied for laboratory investigations for following tests as per IS-3495 Part -1 to 4-1992 1st Revision & IS-1077 :-

1. Measurement test

(Average of 4 No. bricks)

Description	Results	Tolerance Limits as per IS -1077
Length of 10 Bricks (MM)	2297	2300 ± 80mm
Width of 10 bricks (MM)	1090	1100 ± 40mm
Height of 10 bricks (MM)	702	700 ± 40mm

2. Water Absorption of bricks

(Average of 4 No. bricks)

Description	Results	Required Limits as per IS-1077
Water absorption test % (after immersion in cold water for 24 hours)	12.55 %	Not more than 20 % by weight upto class 12.5 and not more than 15 % by weight for higher class.

4. COMPRESSIVE STRENGTH TEST (As per IS CODE 3495 PART-1) :-

S.no	Area of Bricks (Sq.mm)	Reading on C.T.M (KN)	Compressive strength (N/sq.mm)	Min Required Strength (N/sq.mm)As per IS CODE 3495 PART-1 & MORT&H - 5 th Revision
1.	249.33	269	10.79	10.50
2.	238.11	268	11.26	10.50
3.	251.43	277	11.02	10.50
4.	235.46	257	10.91	10.50
	Average		11.00 (N/sq.mm)	10.50 (N/sq.mm)

Remarks:-- Testing results of Bricks with in limits as per Specifications . Confirming bricks may be suitable for all type of masonry works .

Note :-

1. Results as per sample supplied to Lab.
2. Sample provided consumed in testing in all.
3. This report may not be produced as any judicial evidence .

Shivam Sharma
18/03/2021
Authorized Signatory

Er. Shivam Sharma
B. Tech (Civil)
Technical Director

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