

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

**Test Report No.:** WRD/Q.C./F.6-4/ Laterite -T- 0437, 0438 / Lab / 104 / 2020-21    **Dated:** - 28 / 07 / 2020.    **Laboratory:** Bicholim - Goa

**Sub Div:** V (QC)/WRD/ Bicholim - Goa

**Sub :-** National Cyclone Risk Mitigation Project II. Construction of Multipurpose Cyclone shelter (MPCS) at Junaswada under survey no. 279/1 of village Mandrem, Pernem Taluka Goa. (Balance work)

**Ref to requisition No:** SDIV / NCRMP –II (North Goa)/WDIII / WRD / WF. 8 / 2020-21 / 72    **Dated :** - 03 / 07 / 2020.  
: ACPL/APP-146/143/2020    **Dated:** 22/07/2020

**Qty. Received:** 06 Nos Laterite stones    **Date of Receipt :-** 24/07/2020    **Tested on:** 24 & 25/07/2020    **Ref to Specification:** CPWD 2009, Vol. I

**Sample:** Laterite stones    **O.S. No. :** 4077 & 4078 /SS    **Lab. Sample No.:** 9321 & 9322    **Tested by:** Mrs. S. B. Naik Shirodkar.JE.

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	<u>Laterite stone</u>	A) Compressive strength test: -	i) 56.63 Kg /cm <sup>2</sup> ii) 49.91 Kg /cm <sup>2</sup> iii) 36.24 Kg /cm <sup>2</sup> Avg. <b>47.59</b> Kg/cm <sup>2</sup>	<b>35.00kg/cm<sup>2</sup></b>	Remark: - The average Compressive strength achieved is <b>35.98 %</b> more than the specified value of <b>35 Kg/cm<sup>2</sup></b> .
		B) Water Absorption Test.	i) 11.77 % ii) 10.61 % iii) 10.00 % Avg. <b>10.79 %</b>	<b>12.00 %</b>	Remark: The average water absorption is <b>10.79 %</b> , which is less than the maximum permissible limit of <b>12% .</b>
2.	<u>Laterite stone</u>	A) Compressive strength test: -	i) 55.10 Kg /cm <sup>2</sup> ii) 43.03 Kg /cm <sup>2</sup> iii) 49.83 Kg /cm <sup>2</sup> Avg. <b>49.32</b> Kg/cm <sup>2</sup>	<b>35.00kg/cm<sup>2</sup></b>	Remark: - The average Compressive strength achieved is <b>40.91 %</b> more than the specified value of <b>35 Kg/cm<sup>2</sup></b> .
		B) Water Absorption Test.	i) 9.89 % ii) 10.00 % iii) 9.64 % Avg. <b>9.84 %</b>	<b>12.00 %</b>	Remark: The average water absorption is <b>9.84 %</b> , which is less than the maximum permissible limit of <b>12% .</b>

- Copy to: 1. The Assistant Engineer , SD IV , NCRMP - II (North Goa),WD III, WRD, Porvorim - Goa.  
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.  
3. Copy Submitted to The Executive Engineer, W.D.III, WRD, Ponda – Goa .  
4. Q.C. Lab file                      5. Bill File.

**Junior Engineer**

**Assistant Engineer**