

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

Test Report No.: WRD/Q.C./F.6-4/ Laterite -T- 0436, Sand –T: 4984 / Lab / 435 / 2019-20 **Dated:** - 14 / 02 / 2020. **Laboratory:** Bicholim - Goa
Sub Div: V (QC)/WRD/ Bicholim - Goa

Sub :- Improvement to the existing A,B, & C type quarters at TIP Complex, Karaswada Bardez Goa.

Ref to requisition No: SDIII / WDVIII / WRD / WF. 60 / 2019-20 / 222 **Dated :** - 23 / 12 / 2019.

Qty. Received: 1 bag of sand & Laterite stones **Date of Receipt :-** 05 / 02 / 2020 **Tested on:** 07/02/2020 To 13/02/2020 **Ref to Specification:** CPWD 2009, Vol. I

Sample: Sand & Laterite stones **O.S. No. :** 3205 & 3225 /SS **Lab. Sample No.:** 7890 & 7891 **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) 43.03 Kg /cm ² ii) 37.06 Kg /cm ² iii) 67.95 Kg /cm ² Avg. 49.34 Kg/cm ²	35.00kg/cm ²	
		Remark: - The average Compressive strength achieved is 40.99% more than the specified value of 35 Kg/cm ² .			
		B) Water Absorption Test.	i) 4.40 % ii) 5.80 % iii) 5.60 % Avg. 5.20 %	12.00 %	
		Remark: The average water absorption is 5.20 %, which is less than the maximum permissible limit of 12% .			
2.	<u>Coarse Sand:</u> (L.S.No.7891)	i) Silt & Clay by S.A. method : - ii) Silt by sedimentation : - iii) Fineness Modulus : - iv) Grading Zone : -	4.20 % 4.65 % 2.63 II		
		REMARK: The observed results are within the permissible limits of the coarse sand.			

- Copy to:
1. The Assistant Engineer, SDIII, WDVIII, WRD, Karaswada Bardez – Goa
 2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
 3. Copy Submitted to The Executive Engineer, W.D.VIII, WRD, , Karaswada Bardez – Goa .
 4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer