

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

Test Report No.: WRD/Q.C./F.6-3/Soil. T- 1489,1490,1491& 1492 /Lab/ **179** /2020-21/ Dated: 28 / 12/2020. **Laboratory:** Bicholim

Sub Division: V (QC)/WRD/Bicholim

Sub.: Construction of Barrage and up gradation of Raw water pumping station at Ganjem on Mhadei River for Augmentation of Raw water for Opa water works
Part I : Reg. Construction of Barrage providing and laying 1000 mm dia D.I. Pipe Rising main and Break pressure tank at Ganjem in Sattari Taluka.

Ref to requisition No.: F.215/SDI/WDVI/WRD/2020-21/388 DATED: 17/12/2020

Qty. Received: 1 bag each. **Date of Receipt:** 17/12/2020 **Tested on:** 22, 23, 24 & 25/12/2020 **Ref to IS/CPWD Specification:** IS: 2720, Part VII, 1980

Sample of: Soil **O.S. No. :** 4445,4446 & 4452,4453 /SS **Lab. Sample No.:** 9755 & 9756/SS. **Tested by:** Mrs. S.B. Naik Shirodkar ,J.E

REPORT

Sr. No.	Description of sample	Tested for	Results	Max./Min. value permissible	Remarks	
1.	Soil: (L.S.No. 9755)	I) Proctor values				
		a) M.D.D. (from graph)		:- 1.439/cc		
		b) O.M.C. (from graph)		:- 22.700%		
		II) Sieve Analysis				
		a) Silt and Clay by Sieve Analysis	:-	54.60%		
		b) Fine Sand	:-	1.40%		
		c) Medium Sand	:-	7.00%		
		d) Coarse Sand	:-	5.20%		
		e) Gravel	:-	31.80%		
		2.	Soil: (L.S.No. 9756)	I) Proctor values		
a) M.D.D. (from graph)				:- 1.721/cc		
b) O.M.C. (from graph)				:- 18.66%		
II) Sieve Analysis						
f) Silt and Clay by Sieve Analysis	:-			42.00%		
g) Fine Sand	:-			2.00%		
h) Medium Sand	:-			11.60%		
i) Coarse Sand	:-			6.80 %		
j) Gravel	:-			37.00%		

Copy to: 1. The Assistant Engineer, SDI, WDVI, WRD, Bicholim – Goa.

2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.

3. Copy Submitted to The Executive Engineer, W.D.VI, WRD, Bicholim – Goa.

4. Q.C. Lab file

5. Bill File.

Junior Engineer

Assistant Engineer