

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4645,4654,4665,4678,4695,4723,/ Lab /109/ 2022 - 23 Dated:- 06/06/2022.  
4724,4731 & 4750

Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Kamurlim Tail Minor and its Network Kamurlim Branch of LBMC of TIP at Village Kamurlim in Bardez Taluka.**

Ref. to Requisition No.:SDI/WDVIII/WRD/WF.29/22-23/34 Dt.:- 23/ 05/ 2022

Qty. Recived. : 09 Sets of cube Date of Receipt:- 23/05/2022. Tested on:- 23,24,25,26,27 & 30/05/2022, 01 & 02/06/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No. :8603,8612,8625,8640,8658,8687,8688,8695 & 8714/SS Lab. Sample No.: 4569 to 4577 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
1	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 25/04/2022. PCC for beds of TO chambers.	28 <sup>th</sup> day compressive strength	203.87	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.91	Qty represents - 14.50 Cum.
			224.26	Ka/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.22</b>	<b>Ka/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 26/04/2022. PCC for beds of TO chambers.	28 <sup>th</sup> day compressive strength	240.12	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.75	Qty represents - 14.50 Cum.
			226.53	Ka/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>232.57</b>	<b>Ka/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 27/04/2022. PCC for Walls of Chambers.	28 <sup>th</sup> day compressive strength	231.06	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.39	Qty represents - 14.00 Cum.
			228.79	Ka/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.81</b>	<b>Ka/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 28/04/2022. PCC for Walls of Chambers.	28 <sup>th</sup> day compressive strength	240.12	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	16.86	Qty represents - 14.00 Cum.
			249.18	Ka/Cm <sup>2</sup>			
			246.91	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>245.40</b>	<b>Ka/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 29/04/2022. PCC for beds of TO chambers.	28 <sup>th</sup> day compressive strength	233.32	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	11.47	Qty represents - 14.50 Cum.
			237.85	Ka/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>234.08</b>	<b>Ka/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 02/05/2022. PCC for beds of TO chambers.	28 <sup>th</sup> day compressive strength	249.18	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	16.50	Qty represents - 30.00 Cum for two sets of cubes
			237.85	Ka/Cm <sup>2</sup>			
			246.91	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>244.65</b>	<b>Ka/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
7	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 02/05/2022. PCC for beds of TO chambers.	28 <sup>th</sup> day compressive strength	242.38	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	16.86	Qty represents - 30.00 Cum for two sets of cubes
			235.59	Ka/Cm <sup>2</sup>			
			258.24	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>245.40</b>	<b>Ka/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 04/05/2022. PCC for Walls of chambers.	28 <sup>th</sup> day compressive strength	231.06	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.39	Qty represents - 14.00 Cum.
			237.85	Ka/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.81</b>	<b>Ka/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1 : 2: 4</b> , cast on 05/05/2022. PCC for Walls of chambers.	28 <sup>th</sup> day compressive strength	244.65	Ka/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	12.18	Qty represents - 14.00 Cum.
			226.53	Ka/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>235.59</b>	<b>Ka/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD I , WDVIII , WRD,Karaswada, Bardez - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer , WD VIII ,WRD, Karaswada, Bardez - Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer