

Construction of New Slab Drain Under TRIBAL/MMGSY/B.K./2026-27/ Package No. 01 In Ta. Danta
Dist.Banaskantha

SCHEDULE FOR TESTING OF MATERIALS

Item No	Brief Description of Materials to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out	Qty of Materials		Total No.of Test to be taken
1	GSB	(1) Water Absorption	One test per 3000 Cu.M.			
				Cu.M.		
		(2) Impact Value	1 to 100 Cu.M. 1			
			100 to 500 Cu.M. 3			
			500 to 1500 Cu.M. 5			
			1500 to 5000 Cu.M. 7			
		(3) Flakiness Index and elongation index	As above			
		(4) Gradation	One Test per 100 Cu.M.			
2	45 to 90 mm size M.C. Metal	(1) Water Absorption	One test per 3000 Cu.M.	18.15		1
				Cu.M.		
		(2) Impact Value	1 to 100 Cu.M. 1			1
			100 to 500 Cu.M. 3			
			500 to 1500 Cu.M. 5			
			1500 to 5000 Cu.M. 7			
		(3) Flakiness Index and elongation index	As above			1
		(4) Gradation	One Test per 100 Cu.M.			1
3	45 to 63 mm size M.C. Metal	(1) Water Absorption	As above	27.83		1
				Cu.M.		
		(2) Impact Value	As above			1
		(3) Flakiness Index and elongation index	As above			1
		(4) Gradation	As above			1
4	Quarry Spalls	(1) Water Absorption	As above			1
		(2) Impact Value	As above	Cu.M.		
		(3) Flakiness Index and elongation index	As above			
		(4) Gradation	As above			
		CBR Value	1 Per work			
5	Screening Materials	(1) Water Absorption	As above	6.81		1
				Cu.M.		
		(2) Impact Value	As above			1
		(3) Flakiness Index and elongation index	As above			1
6	Kapachi	(4) Gradation	As above			1
		(1) Water Absorption	As above			
		(2) Impact Value	As above	Cu.M.		norms for B.T. / concrete work
		(3) Flakiness Index and elongation index	As above			
7	Gritt	(4) Gradation	As above			
		(1) Water Absorption	As above			As per norms for
		(2) Impact Value	As above			B.T. /
		(3) Flakiness Index and elongation index	As above			concrete work
8	Murum / Stone dust	(1) Aterberg Limit	One test per 50 Cu.M.	3.04	Cu.M.	1

9	Asphalt		Tanker	Test			
			1 test per Two tanker and addition		M.T.		
		(1) Penetration	5 to 10	1			
		(2) Ductility	11 to 20	2			
		(3) Sp. Gravity	21 to 50	3			
		(4) Softening Point	51 to 100	4			
		(5) Viscosity	Additional – 1				
10	Tack Coat	(1) Binder Temp.	Two Test per day				As per
		(2) Rate of spread of Binder					norms
11	Carpet / B.M. / Seal coat	(1) Gradation	One test per 100 M.T. but Minimum 2 test per day			BUSG	As per norms
						Carpet	
						Seal Coat	
					M.T.		
		(2) Temp. of Binder	--do--				
		(3) Rate of spread of materials	Regular control through check on thickness of layer				
12	Bricks	(1) Water absorption	One test per 50000 bricks				
		(2) Size	--do--				
		(3) Compressive strength	--do--				
		(4) Efflorence	--do--				
13	Cement	(1) Consistency	Upto 50 M.T. : 1 Test		301.64 MT		5
		(2) Setting time	100 MT -2 Test				
		(3) Fineness	200 MT -3 Test				
		(4) Chemical analysis	300 MT -4 Test				
		(5) Soundness	500 MT -5 Test				
14	Steel TMT	(1) Tensile strength	One test per 40 M.T. Per category		12.20	MT	1 per each category
		(2) Yield Stress					1 per each category
		(3) Elongation					
		(4) Size					
15	C.C. Cubes	(1) Compressive strength	Qty.				
	M 100		One test per 5 Cu.M.		85.00	Cu.M.	5.00
	M 150 Ordinary		6 to 15	2	57.00	Cu.M.	5.00
	M 300 Ordinary		16 to 30	3	78.00		5.00
	M 250 Ordinary		31 to 50	4	17.00	Cu.M.	3.00
	M 200 Controlled		51 & above	4 + 1	543.00	Cu.M.	14.00
	M 300 Controlled				32.00	Cu.M.	4.00
	M 400 Controlled				23.00	Cu.M.	3.00
	M 400 Ordinary				20.00	Cu.M.	3.00
16	Sand	1 Gradation					
		2 Silt Content					
17	Retro Reflective Sheeting for signage	Co-efficient of retro reflection	Class B Type 4 High intensity Grade		10.00	No	3 Reading for 10 Boards for each Colour
18	Hot Applied Thermoplastic Road marking	on site	Retro Reflectivity			Smt	5 Reading for every 5 Km.
		Laboratory Testing	Binder	18.0 min			1 Sample
			Glass Beads	30-30			For each Colour
			Titanium Dioxide	10.0 Min			

			Calcium Carbonate and Inert Filler	42.0 max			
		on site	Skid Resistance				5 Reading for every 5 Km.
19	Road Studs/ Cat Eyes/ RPM	Laboratory Testing	Compressive Strength			No	One Sample For Each Colour/Brand/Lot
			Flexure Strength				
			Resistance to lens cracking Les				
			Coefficient of Luminous				
20	Earth Work	1.Sand Content	Two test per 3000 Cu.M.		630.00	Cu.M.	1
		2.Plasticity test					1
		3. Density test					1
		4.Moisture Content test MDD/FDD	One test per 250 Cu.M				3
		5.CBR	One test per 3000 Cu.M.				1
21	Water	Chemical Analysis	One Test Per Each Source				As per norms
<div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 10px;"> <div style="width: 30%;"> <p style="text-align: center;">Signature of contractor</p> </div> <div style="width: 35%; text-align: center;"> <p>Deputy Executive Engineer Panchayat R. & B.Sub Division Danta</p> </div> <div style="width: 30%; text-align: center;"> <p>Executive Engineer Panchayat R. & B. Division Palanpur</p> </div> </div>							