

## Kachchh Panchayat R&B Division Bhuj - Kachchh

NAME OF WORK :- REPAIRS TO ROAD OF BHUJ TALUKA. C.R. 2026 - 27. TAL, BHUJ.

### Schedule for Materials Testing

Item No.	Brief Description of material to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out	Qty of Material	Unit	No of Tests Req.
1	Quarry Spalls	1 Water Absorption	One test per 3000cms	50.00	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			1
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			
2	Metal 25-90mm size	1 Water Absorption	One test per 3000cms	25.00	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			1
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			
3	M.C. Metal 45 to 63 mm size	1 Water Absorption	One test per 3000cms	25.00	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			1
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			
4	M.C. Metal 45 to 90 mm size	1 Water Absorption	One test per 3000cms	25.00	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			1
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			
5	Screening material M.C. Metal 13.2 mm size	1 Water Absorption	One test per 3000cms	5.00	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			1
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			
6	Stone Dust	1- Gradation	One test per 50 Cum	5.00	Cmt.	1
		2- Aterberg Limit				1
7	Stone agg. For B.T.Work	1 Water Absorption	One test per 3000cms	118.80	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			3
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			
8	Stone agg. For Conc.Work	1 Water Absorption	One test per 3000cms	12.75	Cmt.	1
		2 Impact Value	1 to 100 Cum 1			1
		3 Flakiness / elongation Index	100 to 500 Cum 3			
		4 Gradation	500 to 1500 Cum 5 1500 to 5000 Cum 7			

Item No.	Brief Description of material to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out	Qty of Material	Unit	No of Tests Req.
9	Asphalt		Tanker Test	8.590	MT	As per Norms
		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	Cement	1 Consistency	Up to 50 M ton 1 Test	4.60	MT	1
		2 Setting time	100 M ton 2 Test			
		3 Fineness	200 M ton 3 Test			
		4 Chemical Analysis	300 M ton 4 Test			
		5 Soundness	500 M ton 5 Test			
11	C.C. Cube M-150	1 Compressive strength	Qty (cmt) No.s of Test	10.00	Cmt.	2
			Up to 5 1			
			6 to 15 2			
			16 to 30 3			
			31 to 50 4			
			51 and above - 1 Test / 50 cmt.			
12	C.C. Cube M-200	1 Compressive strength	Qty (cmt) No.s of Test	5.00	Cmt.	1
			Up to 5 1			
			6 to 15 2			
			16 to 30 3			
			31 to 50 4			
			51 and above - 1 Test / 50 cmt.			
13	Sand	1 Silt content	One test per work			1
14	Steel	1 Tensile Strength	One test per 40 M ton per Category	0.160	MT	1
		2 Elongation				For Each Cat.
		3 Size				
		4. Chemical test				
15	Earthwork	C.B.R.	One test per 3000 Cmt	400.00	Cmt	1
16	Water		One test per Source			0

Deputy Executive Engineer  
Panchayat (R&B) Sub-Division  
Bhuj- Kachhh