

**NAME OF WORK :- CONSTRUCTION OF MINOR BRIDGE ON NANAPONDHA MAIN ROAAD TO GAVIT FALIYA
JOING KAJLI VILLAGE ROAD K.M. 0/2 TO 0/4, TA. KAPRADA.**

SCHEDULE OF MATERIAL TESTING

| Sr. No. | Material | Qty. of Material | Unit | Type of Test | Frequency of test | Total No. of test to be carried out. | Remarks |
|---------|---------------------------------|------------------|------|--|---|--------------------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Coarse Sand | 415.00 | Cum | Gradation, Flakiness, Impact, Abrasion, Stripping value, Crushing Strength | 100 Cum 1 101-500 3 501-1500 5 1501-5000 7 | 3 | |
| 2 | Unscreened gravel | 0.00 | Cum | -- do -- | -- do -- | 3 | |
| 3 | M.C. metal 45 to 63 mm | 0.00 | Cum | -- do -- | -- do -- | 3 | |
| 4 | Kapchi 20 mm | 0.00 | Cum | -- do -- | -- do -- | 5 | |
| 5 | Quarry spall | 0.00 | Cum | -- do -- | -- do -- | 3 | |
| 6 | Stone Aggregate 13.2 to 19.6 mm | 17.83 | Cum | -- do -- | -- do -- | 3 | |
| 7 | 53 mm to 9.5 mm | 187.54 | Cum | -- do -- | -- do -- | 3 | |
| 8 | 9.5 mm to 2.36 mm | 94.41 | Cum | -- do -- | -- do -- | 3 | |
| 9 | Stone dust Filler | 255.03 | Cum | -- do -- | -- do -- | 3 | |
| 10 | 45 mm to 22.4 mm | 83.42 | Cum | -- do -- | -- do -- | 3 | |
| 11 | 22.4 mm to 2.36 mm | 111.23 | Cum | -- do -- | -- do -- | 7 | |
| 12 | 37.5 - 25 mm | 3.76 | Cum | -- do -- | -- do -- | 1 | |
| 13 | 22.4 - 53 mm | 9.02 | Cum | -- do -- | -- do -- | 1 | |

| Sr. No. | Material | Qty. of Material | Unit | Type of Test | Frequency of test | Total No. of test to be carried out. | Remarks |
|---------|------------------------|------------------|------|---|---|--------------------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 14 | 19mm to 26.5mm | 0.00 | Cum | -- do -- | -- do -- | 3 | |
| 15 | 10mm to 20mm size | 23.78 | Cum | -- do -- | -- do -- | 1 | |
| 16 | B.T. chip 10mm to 20mm | 477.00 | Cum | -- do -- | -- do -- | 1 | |
| 17 | TMT Bars | 98.90 | M.T. | Tensile strength, Yield Stress % elongation | 1 test / 50 M.T. for each | 1 test per each category | |
| 18 | Asphalt VG-30 grade | 8.40 | M.T. | Penetration, Softening, Point ductility, ViscoDist., Specific gravity, Qty. of binder | (A) At GERI Lab 5-10 tanker - 1 Test 11 - 20 Tanker - 2 Test 21-50 Tanker - 3 Test 51-100 Tanker - 4 Test 101 & above - 4+1 test for every 30 Tanker or part of thereof. (B) Gradation Test & Asphalt extraction test - 2 test per day. | As per norms | |
| 19 | Cement (O.P.C.) | 370.00 | M.T. | Setting time, Compressive strength, Consistency, Soundness | 1 test / 50 MT | 8 | |
| 20 | C.C. Cube M-10 | 32.00 | Cum | Compressive Strength | 1 to 5 1 test 6 to 15 2 test 16 to 30 3 test 31 to 50 4 test | As per norms | |
| 21 | C.C. Cube M-30 | 0.00 | Cum | Compressive Strength | -- do -- | As per norms | |
| 22 | C.C. Cube M-35 | 794.30 | Cum | Compressive Strength | -- do -- | As per norms | |
| 23 | C.C. Cube M-40 | 49.00 | Cum | Compressive Strength | -- do -- | As per norms | |

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|---------|---|------------------|-------|---|---|--------------------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 24 | C.C. Cube M-20 | --- | Cum | Compressive Strength | -- do -- | As per norms | |
| 25 | C.C. Cube M-10 | --- | Cum | Compressive Strength | -- do -- | As per norms | |
| 26 | Water | --- | | Chemical Test | 1 test for season | 1 | |
| 27 | Retro reflective sheeting for the signage | 14.00 | No. | Co-efficient of Retro Reflection. | 3 readings for 10 boards for each colour. | As per norms | |
| 28 | Cat eye | 54.00 | No. | Co-efficient of Luminous Intensity - ASTM D4280 | 1 sample for each colour. | As per norms | |
| 29 | Hot applied Thermoplast Road marking | 54.00 | Sq.m. | (RL) Retro Reflectivity (mcd/m ² /lux) Proportions of constituents of Marking Material Skid Resistance | 5 readings for every 5 Km. | As per norms | |
| 30 | Quarry spall | 0.00 | Cum | Gradation, Crushing Strength | 100 Cum 1 101-500 3 501-1500 5 1501-5000 7 | 1 | |

Note :- In case of excess in quantity. Further more test shall be carried out as per required frequency.

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