

Construction of new Chief Minister House Deputy Superintendent of Police office building at Minister Enclave, Gandhinagar.(Providing additional facilities in Minister Enclave, Gandhinagar)

MATERIAL TESTING SCHEDULE

| Sr. | Description | Total | Material to | Name of laboratory test | Frequency | Total No. of test to | Remarks |
|-----|----------------|---------------|-------------|--|-----------------------------------|------------------------------------|---------|
| 1 | R.C.C. work | 134.00 | M-150 | 1) Compressive strength | Cum. Test No. | 6 | |
| | CC cube | 61.00 | M-200 | for 7days & 28 days. | 1 to 5 1 | 5 | |
| | | 322.00 | M-250 | | 5 to 15 2 | 10 | |
| | | 30.00 | 1:2:4 | | 16 to 30 3 | 3 | |
| | | | | | 31 to 50 4 | Total = 24 | |
| | | | | | 51 and above | | |
| | | | | | test each | | |
| | | | | | 50 cum. 4+1 | | |
| 2 | Cement | 257.63 | Cement | 1) Initial & Final setting time | M.T. Test No. | 4 | |
| | | M.T. | | 2) Compressive strength | Up to 50 1 | | |
| | | | | 3) Consistancy | 50 to 100 2 | | |
| | | | | 4) Fineness | 100 to 200 3 | | |
| | | | | 5) Soundness | 200 to 300 4 | | |
| | | | | 6) and other as required as per | 300 to 500 5 | | |
| | | | | | 500 to 800 6 | | |
| | | | | | 800 to 1300 7 | | |
| | | | | | & 8 test for larger | | |
| 3 | Fine (sand) | 420.36 Cmt | Sand | 1) Fineness modulus | One test per season/river | 7 test or required while execution | |
| | | | | 2) Specific gravity | | | |
| | | | | 3) Water absorbtion | | | |
| | | | | 4) Clay and fine silt content | | | |
| | | | | 5) and other as required as per | | | |
| 4 | Water | | Water | 1) Portability | One test per | 1 Test or required while execution | |
| | | | | 2) Salinity | sources | | |
| | | | | 3) and other as required as per | | | |
| 5 | Bricks | 94960.00 Nos. | Bricks | 1) Compressive strength | One sample for | 5 Test or required while execution | |
| | | | | 2) Water absorption test | every 50000 Nos. | | |
| | | | | 3) Soundness test | | | |
| | | | | 4) and other as required as per | | | |
| 6 | Kapchi | 215.55 | Kapchi | 1) Gradation | 1/150 M ³ for concrete | 2 | |
| | Grit | 143.70 | Grit | | | 1 | |
| | | Cmt | | 2) Flekiness index | or as per requirement | | |
| | | | | 3) Impect value | of relevant specification | or required while execution | |
| | | | | 4) Water Absorption | | | |
| | | | | 5) Crushing strength | | | |
| | | | | 6) and other as required as per | | | |
| 7 | Vitrified Tile | 348.00 No | | 1) Size Tolerance | 1/2000 tiles | 1 Test or required while execution | |
| | | | | 2) Water Absorption | | | |
| | | | | 3) and other as required as per | | | |
| 8 | Steel | 43.03 | | 1. Tensile Test | Onr Test / 40 M.T./ each category | 2 Test or required while execution | |
| | | M.T. | | 2. Elongation Test | | | |
| | | | | 3) and other as required as per IS specificaliton and as per | | | |
| 10 | Paver block | 283.00 | Smt | 1. Compressive strength | One test per shape | 1 Test or required while execution | |
| | Kerb Block | 196.00 | Rmt | | | | |

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|--|--|--|--|--|--|--|--|
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| | | | | | | | |

Note : Electrical items' material testing will be as per Electrical item's specifications and as per direction and approval of Engineer (electrical). in charge

Signature of Contractor

**Deputy Executive Engineer
Capital Project Sub Division.6
Gandhinagar**

**Executive Engineer
Capital Project Division.2
Gandhinagar**