

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

Cement Consumption Statement

| It No | Item of Work | Qty | Unit | Qty of cement required in kg / unit | Unit | Total quantity of cement in Kg |
|-------|---|--------|------|-------------------------------------|------|--------------------------------|
| 8 | Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in P.C.C below foundation footings, base of columns and mass concrete. | 134.00 | Cmt | 290.00 | Kg | 38860.00 |
| 9 | Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete. | 137.00 | Cmt | 380.00 | Kg | 52060.00 |
| 10 | Providing and laying controlled cement concrete M-250 for curing complete including cost of formwork but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars, posts and struts For All Floor Level. | 49.00 | Cmt | 380.00 | Kg | 18620.00 |
| 11 | Providing and lying controlled concrete M-200 and curing complete including cost of form work but excl. reinforcement for reinforced concrete work in Grade Slabs | 61.00 | Cmt | 360.00 | Kg | 21960.00 |
| 12 | Providing and lying controlled concrete M-250 and curing complete including cost of form work but excl. reinforcement for reinforced concrete work in Slabs For All Floor Level. | 52.00 | Cmt | 380.00 | Kg | 19760.00 |
| 13 | Providing and lying controlled concrete M-250 and curing complete including cost of form work but excl. reinforcement for reinforced concrete work in Plinth Beam & Beams For All Floor Level. | 72.00 | Cmt | 380.00 | Kg | 27360.00 |
| 14 | Providing and lying controlled concrete M-250 and curing complete including cost of form work but excl. reinforcement for reinforced concrete work in Lintel For All Floor Level. | 5.00 | Cmt | 380.00 | Kg | 1900.00 |
| 15 | Providing and lying controlled concrete M-250 and curing complete including cost of form work but excl. reinforcement for reinforced concrete work in Chajjas For All Floor Level. | 4.00 | Cmt | 380.00 | Kg | 1520.00 |
| 16 | Providing and lying controlled concrete M-250 and curing complete including cost of form work but excl. reinforcement for reinforced concrete work in Sill / Coping For All Floor Level. | 3.00 | Cmt | 380.00 | Kg | 1140.00 |
| 18 | Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete. | 78.00 | Rmt | 2.55 | Kg | 198.90 |
| 19 | Brick work using common burnt clay conventional building bricks having crushing strength not less than 35 Kg/Sqm. in Foundation and Plinth in cement mortar 1:6 (1 cement : 6 fine sand) including curing etc. complete. | 47.00 | Cmt | 60.00 | Kg | 2820.00 |
| 20 | Brick work using common burnt clay conventional building bricks having crushing strength not less than 35 Kg/sqcm. in Super structure for All floors in cement mortar 1:6 (1 cement : 6 fine sand) including curing etc. complete. | 130.00 | Cmt | 60.00 | Kg | 7800.00 |
| 21 | Half brick masonry in common burnt clay conventional building bricks having crushing strength not less than 35 Kg/Sq.cm. in C.M. 1:4 (1 cement : 4 coarse sand) including curing etc. complete for all floors. | 40.00 | Smt | 10.64 | Kg | 425.60 |

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| 22 | Providing 10 mm thick Mala cement plaster with 1x1 cm grooves in single coat on brick/concrete wall/ceiling for interior plastering upto floor two level finished even and smooth including scaffolding, curing etc. complete. In Cement mortar 1:3(1 cement : 3 fine sand) for all floors. | 408.00 | Smt | 5.82 | Kg | 2374.56 |
| 23 | Providing 20 mm thick double coat Mala cement plaster with 1x1 cm grooves on interior brick/concrete work for plastering comprising of base coat of 12 mm thick cement plaster in Cement mortar 1 : 4 (1 cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1 : 2 (1 cement : 2 coarse sand) finished with trowel including scaffolding curing and 1 cm x 1 cm grooves at junction of structural members etc. complete for all floors. | 404.48 | Smt | 11.42 | Kg | 4619.16 |
| 24 | 20 mm thick double coat sand faced with 1x1 cm grooves cement plaster on walls at any height consisting of 12 mm thick backing coat of C.M. 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of C.M. 1:1 (1 cement : 1 sand) etc. complete. | 683.00 | Smt | 16.83 | Kg | 11494.89 |
| 28 | Providing and laying 600x600 mm' Polished vitrified 8 mm thick tile (soluble Salt) flooring of Standard Company pattern ,Colour and Shade laid on 20 mm thick cement mortar 1:6 (1 cement : 6 coarse sand) on new surface and jointed with coloured cement slurry including finished with flush pointing & cleaning the surface etc complete for all floors as directed by Architect or Engineer in chage. | 208.00 | Smt | 12.00 | Kg | 2496.00 |
| 29 | Providing and laying Polished vitrified 8 mm thick tile (soluble Salt) of Standard Company pattern ,Colour and Shade in Skirting laid on 10 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with white cement slurry with matching pigments including cleaning etc. complete for all floors as directed by Architect or Engineer in chage. | 18.00 | Smt | 12.52 | Kg | 225.36 |
| 30 | P & L 600 mm x 600 mm vitrified 8 mm thick tile (Porcelain) flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit | 112.00 | Smt | 12.00 | Kg | 1344.00 |
| 31 | Providing and laying white or coloured / printed Vitrified tiles in different colors of 1st quality of Bell/johnson /Asia /Kajaria /Somani brand of 6 to 8 mm. thick and 1200 x 600 mm size in skirting, risers of step and dedo on a bed of 10 mm. thick cement mortar 1:3 (1 cement : 3 coarse sand) finished with flush pointing with match as approved by Engineer in charge. | 154.77 | Smt | 9.52 | Kg | 1473.41 |
| 32 | Providing and fixing sills at doors & jambs using 15 mm Imported quartz marble/Artificial Granite laid on 10 mm thick cement mortar 1:3 (1 cement:3 coarse sand) and jointing with grey cement slurry including rubbing and polishing etc. complete. | 143.36 | Smt | 12.52 | Kg | 1794.87 |
| 34 | Providing and fixing Designo or Equivalnt make pre-cast concrete kerb stone of gray cement based concrete block 60cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.All product Make approved as per tender and architect selection. | 86.00 | Rmt | 2.50 | Kg | 215.00 |

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| 36 | Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth. | 30.00 | Cmt | 320.00 | Kg | 9600.00 |
| 37 | Providing and laying broken china mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed. | 552.13 | Smt | 16.33 | Kg | 9016.28 |
| 64 | Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(D) 300mm | 100.00 | Rmt | 1.70 | Kg | 170.00 |
| 69 | Providing and fixing square mouth trap P or S type of 150 mm x 100 mm size SW gully trap with C. I. cover with frame of 300 mm x 300 mm size (inside) with standard weight. | 6.00 | No | 22.95 | Kg | 137.70 |
| 71 | Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1- cement :2-coarse sand : 4-graded stone aggregate 20 mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6- Brick bats 40 + 50 mm size) inside plastering 15 mm thick with Cement Mortar 1:3 (1-Cement : 3-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-cement : 2-Coarse sand :4-stone aggregate 20 mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.) (A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer. | 2.00 | No | 406.36 | Kg | 812.72 |
| 72 | Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal dimensions, total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(iii) Inside dimensions 600mm x 850 mm and 450mm deep for pipe lines with three or more inlets. | 10.00 | No | 106.10 | Kg | 1061.00 |
| 73 | Extra over items 24.44 for every additional depth of 0.1M. Of part thereof beyond 450mm depth for Brick masonry chamber.(iii) for 600mm x 850mm size. | 10.00 | No | 83.19 | Kg | 831.90 |
| 86 | Add for more consumption of cement due to change in concreting of controlled / RMC cement concrete of any grade in R.C.C. members like column footings, columns, beams, pardi, vertical and horizontal fins etc. instead of controlled / RMC cement concrete M200 / M250 / M300 / M350 as per design mix with compare to cement consumption given in special condition including loading, unloading, stacking and labour charges for using in mixer machine for concreting etc. complete. | 3000.00 | Kg | 1.00 | Kg | 3000.00 |

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| 124 | Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30 cm length, 30 cm height and 15cm thick of M200 grade concret as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 cement : 3 fine sand) etc complete. | 110.00 | Rmt | 1.00 | Kg | 110.00 |
| 134 | 20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete. | 551.55 | Sq.m | 16.83 | Kg | 9282.59 |
| 135 | Providing 10 mm thick cement Mala plaster in single coat on ceilings & soffits for interior plastering upto floor two level and finished even and smooth in (ii) Cement Mortar 1:3 (1 Cement : 3 Fine Sand) | 11.52 | Sq.m | 5.82 | Kg | 67.05 |
| 147 | P & L 396 X 396 ceramic tiles 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete | 11.52 | Smt | 12.00 | Kg | 138.24 |
| 148 | Providing and laying 600 x 600 Full body Virtified 16 mm thick tile skirting, over 20mm. (average) base of cement morter 1:6 (1cement :6 coarse sand) or L.M. 1:1.5 laid and making 5mm Spacer all around tiles and filling with epoxy materials etc. complete. | 10.00 | Smt | 12.00 | Kg | 120.00 |
| 149 | Providing & Fixing Sandwich type Platform of 600 mm wide using Top 18 mm thick granite of approved shade and sample and bottom 25 mm thick single side Polished kota stone with 25 mm thick screed of cement mortar 1:3 With granite Facia Patti and vertical End granite supports. The stone shall be fixed by chassing in to the wall surface and supported vertically with 25mm thick sandwich kota stone support including SS Sink of size 610 x 460 mm waste brass coupling, stainless steel extension nipple, flexible PVC outlay pipe, Hindware Sink cock with Casted Swinging Spout F100034 etc complete as suggested by Architect/Engineer - in-charge. | 4.50 | Sq.m. | 12.75 | Kg | 57.38 |
| 153 | Providing and fixing colour wash down water closet Orissa type W.C. pan with integral p or s trap jointed with C.I. pipe in C.M 1:1 etc. complete. (Cera, Nycer, Hindware). | 6.00 | Each | 25.00 | Kg | 150.00 |
| 154 | Providing and fixing wash down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour | 6.00 | Each | 12.50 | Kg | 75.00 |
| 161 | Providing and fixing S.W. gully trap with C.I. grating brick masonary chamber and water tight C.I. cover with frame of 300 mm x 300 mm Size (inside) with standard weight (i) Square mouth traps. (A) 100 mm x 100 mm size - P type. | 4.00 | No. | 22.95 | Kg | 91.80 |
| 171 | Providing & laying terracota clay roofing tiles having interlocking arrangement for fixing on slopping roof on 10 mm thick cement mortar 1 :3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including necessary scaffolding upto 10 mtr height etc. complete.as directed by engineer-in-charge. | 218.40 | Smt | 9.52 | Kg | 2079.17 |

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| 172 | Providing and laying Heavy duty reinforced acrylic water proofing Coating cover on existing ips flooring through authorised application of pidilite Industries Ltd. Using one coat of Dr.Fixit Premiseal and two coats of Dr.Fixit new coats in different colours including the repairing of surface cracks,damaged portion,sharpedged flooring etc.by means of polymer modified screed and filled with Dr.Fixit crack or Dr.Fixit unifiller or polymer modified motar in wider cracks including surface cleaning,washing and removing dust,dirt oil,grease and loose particle etc.prior to laying of water proofing treatements etc.including all aterial,labours,tools, machinary,taxes,etc. complete or as dircted by engineer by Engineer-in-charge or manufacturer's specification. | 54.00 | Smt | 0.25 | Kg | 13.50 |
| 184 | Providing and laying 600 x 600 Full body Virtified 16 mm thick tile flooring over 20mm. (average) base of cement mortar 1:6 (1cement :6 coarse sand) or L.M. 1:1.5 laid and making 5mm Spacer all around tiles and filling with epoxy materials etc. complete. | 9.20 | Smt | 12.00 | Kg | 110.40 |
| 191 | Providing and Laying 1200 x 600 mm vitrified 8 mm thick tile flooring over 50 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface and material and jointed with color cement slurry including finised with 4mm epoxy pointing & cleaning the surface etc. complete. | 8.00 | Smt | 30.00 | Kg | 240.00 |

Total (KG) 257626.48

Total (MT) 257.63

Total (Bag) 5152.53

Say (Bag) 5153.00

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

**Executive Engineer
Capital Project Division.2
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