

Name of Work :: Construction of New 1000 MT Godown Building & other Civil works at Kathlal Taluka, Kheda District

INDEX OF SPECIFICATION

Item No. as per Tender	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[1]	Clearing and grubbing road land including uprooting rank vegetation, grass bushes, shrubs, saplings and trees girth up to 300 mm removal of stumps of tress cut earlier and disposal of unserviceable materials. (A) By Manual means in area of light jungle.	Hac.	As per separate sheet attached	As per Attached Sheet
[2]	Excavation for foundation up to 1.5 M Depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 meter lead (A) Loose or soft soil.	Cum	Item No. 4.0.0. (A) Page No. 29	Building Specification Booklet Attached
[3]	Excavation for foundation for depth from 1.5 M to 3.0 M Including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 meter lead (A) Loose or soft soil.	Cum	Item No. 4.0.0.1. (B) Page No. 32, Type of Soil is Loose or soft	Building Specification Booklet Attached
[4]	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering.	Cum	Item No.4.12 Page No.35	Building Specification Booklet Attached
[5]	Filling in plinth with sand under floors including watering ramming, consolidating and dressing etc. complete.	Cum	Item No.4.24 Page No.35	Building Specification Booklet Attached
[6]	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete	Cum	Item No.4.0.0.4 Page No.35	Building Specification Booklet Attached
[7]	Applying general insecticide pest control treatment to floors, cupboards etc including labour materials etc. complete. Using Imidacloprid 30.5 SCas Per IS 6313 part -II((0.075% concentration by mass) is recommended 10.5ml chemical diluted with 5 liters of water application 0.5 litre	Sqm	As per separate sheet attached	As per Attached Sheet
[8]	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base or columns and Mass concrete	Cum	Item No. 5.4.1. Page No. 43	Building Specification Booklet Attached
[9]	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	Cum	Item No. 5.8.3.(A) Page No. 47	Building Specification Booklet Attached
[10]	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts, upto floor two level. Gr.Floor	Cum	Item No. 5.8.3.(A) Page No. 47	Building Specification Booklet Attached
[11]	Providing and laying cement concrete 1:5:10 (1 Cement : 5 coarse sand :10 hand broken stone aggregates 40 mm nomial size) and curing complete excluding cost of form work in (A) Foundation and plinth	Cum	Item No. 5.3.3.(A) Page No. 38, Grade of Concrete is 1:5:10	Building Specification Booklet Attached
[12]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto GF	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[13]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto FF	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[14]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto SF	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[15]	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in Plinth BEAMS	Cum	Item No. 5.8.3.(A) Page No. 47	Building Specification Booklet Attached
[16]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in BEAMS Ground Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[17]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in BEAMS for First Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[18]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in Lintels Ground Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[19]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in Chhajjas Ground Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[20]	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and reinforcement for reinforced concrete work in Chhajjas First Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached

Item No. as per Tender	Item Description	Unit	Applicable Specification	Specification Booklet Attached
[21]	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work & the cost of reinforcement for reinforced concrete work in Drop Paradi Ground Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[22]	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work & the cost of reinforcement for reinforced concrete work in Drop Paradi First Floor	Cum	Item No. 5.8.2. Page No. 47	Building Specification Booklet Attached
[23]	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in FLOORING SLABS and curing including cost of from work. Compaction and finishing of cement concrete road by trimix process inclusive of labour charges for the trimix vacuum dewatering process on cement concrete road surface by using vacuum dewatering pump, surface floater, surface vibrator including Channelling & making grooves and rough finish to surface by providing expansion Joints, Contraction joints & construction joints with filling of joints with asphalt filler as directed by Engineer In charge & as per specification.	Cum	As per separate sheet attached	Specification Booklet Attached
[24]	Providing TMT Bar FE 500/500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two leve	Kg	As per separate sheet attached	Specification Booklet Attached
[25]	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In foundation and plinth in cement mortar 1:6 (1cement : 6 fine sand) (B) Conventional Below Plinth	Cum	Item No. 6.12 (B) Page No. 51 consider cement mortar 1:6	Building Specification Booklet Attached
[26]	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (B) Conventional {Ground Floor}	Cum	Item No. 6.19 (B) Page No. 53 consider cement mortar 1:6	Building Specification Booklet Attached
[27]	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional {First Floor }	Cum	Item No. 6.19 (B) Page No. 53 consider cement mortar 1:6	Building Specification Booklet Attached
[28]	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional {Second Floor }	Cum	Item No. 6.19 (B) Page No. 53 consider cement mortar 1:6	Building Specification Booklet Attached
[29]	Providing & fixing rolling shutters of approved make made of 80 mm. Wide M.S. Laths inter-locked together through their entire length / Flexible Grill Type and jointed together at the end locks mounted on specially designed pipe shaft with bracket plates, guide channels and out side locking with push-pull operation including the cost of Hood cover and spring etc. complete. (A) Shutters having width below 3.5 M.	Sqm	As per separate sheet attached	Specification Booklet Attached
[30]	Providing & fixing M.S. Grill using 16 mm dia M.S. Bars @ 15 cm C/C fixed in frame using angle 35 mm x 6 mm, 35 x 6 mm flat in center, and Galvanized wiremesh jali 20mm x 20 mm spacing, including red lead primer coat and two coats of oil painting etc. complete.	Sqm	As per separate sheet attached	Specification Booklet Attached
[31]	Providing and fixing Glass bricks Partition using glass brick of required design ,type size of glass brick 19 x 19 Cm and fixing the same with 4 mm dia aluminium bar at every 3rd layer with white cement etc complete.	Sqm	As per separate sheet attached	Specification Booklet Attached
[32]	Providing and laying HAND DRESSED MIRROR POLISHED BLUE KOTAH STONE flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	Sqm	Item No. 14.43 (A) Page No. 98	Building Specification Booklet Attached
[33]	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	Sqm	Item No.14.44 Page No. 99	Building Specification Booklet Attached
[34]	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pnumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	Sqm	As per separate sheet attached	Specification Booklet Attached
[35]	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm 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	Rmt	As per separate sheet attached	Specification Booklet Attached

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[36]	Providing 15 mm thick cement Mala Trowel finished plaster in single coat on fair side brick / concrete wall for interior plastering up to floor two level and finished even and smooth in (i) cement mortar 1 : 3 (1 cement : 3 sand) for Ground Floor	Sqm	Item No. 17.58 (I) Page No. 119 15 mm thick mla trowel cement plaster instead of 10 mm thick cement plaster. Also the plaster shall be finished surface smooth	Building Specification Booklet Attached
[37]	Providing 15 mm thick cement Mala plaster in single coat on fair side brick / concrete wall for interior plastering up to floor two level and finished even and smooth in (i) cement mortar 1 : 3 (1 cement : 3 sand) for First Floor	Sqm	Item No. 17.58 (I) Page No. 119 15 mm thick mla trowel cement plaster instead of 10 mm thick cement plaster. Also the plaster shall be finished surface smooth	Building Specification Booklet Attached
[38]	Providing 15 mm thick cement Mala plaster in single coat on fair side brick / concrete wall for interior plastering up to floor two level and finished even and smooth in (i) cement mortar 1 : 3 (1 cement : 3 sand) for Second Floor	Sqm	Item No. 17.58 (I) Page No. 119 15 mm thick mla trowel cement plaster instead of 10 mm thick cement plaster. Also the plaster shall be finished surface smooth	Building Specification Booklet Attached
[39]	Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs upto floor two level and finished even and smooth in : (I) Cement mortar 1:3 (1 cement : 3 sand) Ground Floor	Sqm	Item No. 17.58 (I) Page No. 119	Building Specification Booklet Attached
[40]	Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs upto floor two level and finished even and smooth in : (I) Cement mortar 1:3 (1 cement : 3 sand) First Floor	Sqm	Item No. 17.58 (I) Page No. 119	Building Specification Booklet Attached
[41]	20 mm. thick sand faced cement plaster on wall up to height 10 Meters above ground level consisting of 12mm 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	Sqm	Item No. 17.95 Page No. 122	Building Specification Booklet Attached
[42]	Providing and laying water proofing treatment with china mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Gritt 6 to 12 mm size} bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more color as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	Sqm	As per separate sheet attached	Specification Booklet Attached
[43]	Wall Painting with applying two coats of putty & three coats of primer of approval brand (three coats) plastic emulsion paint of approved brand and manufacturee on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	Sqm	As per separate sheet attached	As per Attached Sheet
[44]	Wall Painting with applying two coats of putty & three coats of primer of approval brand (three coats) plastic emulsion paint of approved brand and manufacturee on undecorated ceiling surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	Sqm	As per separate sheet attached	As per Attached Sheet
[45]	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials. etc complete	Sqm	Item No.18.51 Page No.135. Paint should be 100% Weather proof Emulsion Paint	Building Specification Booklet Attached
[46]	Providing and fixing PROFLEX type self Supported Roof {Arch Type} using Cold rolled, Galvalume Steel colour coated sheet 1.5 mm thick conforming to ASTMA 653, A792 DIN, Alu Zinc Coating : AZ150 and Regular Modified Polyester painting with epoxy primer service coat at bottom, including necessary fixtures & fastenings for Lighting arrangement and Turbo Ventilator with Sky light.	Sqm	As per separate sheet attached	As per Attached Sheet

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[47]	Providing and fixing Turbo Ventilator made from Alluminium and stainless steel with Ploy Carbonate Sky light of size 2' x 7', including fixing in roof as and where directed by Engineer in charge etc. complete.	No	As per separate sheet attached	As per Attached Sheet
[48]	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	Rmt	Item No. 5.14.18 Page No. 39	Building Specification Booklet Attached
[49]	Providing cement vata (10cm x 10cm size) quarter round in cement mortar 1:1 including neat cement finishing watering etc. Complete	Rmt	Item No. 17.0.0.1 Page No. 124	Building Specification Booklet Attached
[50]	Providing 12mm wide groove throating / notch in plaster including finishing the same etc. complete for all height.	Rmt	As per separate sheet attached	As per Attached Sheet
[51]	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed up to 50 m. lead.	Cum	As per separate sheet attached	As per Attached Sheet
[52]	Supplying and stacking of graded stone aggregate of following size (for W. B. M.) including Spreading the stone aggregate for rolling including filling the interstices to required camber and gradient Machine crushed stone aggregate 45 mm to 63 mm size	Cum	As per separate sheet attached	As per Attached Sheet
[53]	Supplying and stacking of Soft murrum / Binding materials including spreading road crust filling the gaps in metal and leveling to camber and gradient as directed.	Cum	As per separate sheet attached	As per Attached Sheet
[54]	Providing and laying cement concrete 1:4:8 (1 Cement : 4 coarse sand :8 hand broken stone aggregates 40 mm nomial size) and curing complete excluding cost of form work in (A) Foundation and plinth	Cum	Item No. 5.3.3.(A) Page No. 38	Building Specification Booklet Attached
[55]	Providing and laying cement concrete Road of 15 Cm thick using ordinary cement concrete M-200 by Tremix method, placing temperature steel reinforcement at 5.5 Kg. / 10 Sq.m., (excluding cost of reinforcement), including providing 125 micron polyethylene below the concrete and pre-moulded asphalt filler joint at each pannel joint, including cutting the grooves in the concrete, including all material, labour and fuel - oil etc. complete.	Cum	As per separate sheet attached	As per Attached Sheet
[56]	Supplying, Installation, Testing and commissioning of ABC type 6 Kg Fire Extinguisher Mono Ammonium Phosphate Powder 50, Stored Pressure Type, Pressure Gauge, Controllable discharge mechanism Class A, Rating 3A & Class B rating 21B as per IS 15683 ISI MARK (ABC Dry Chemical Powder - MAP 50%).	No	As per separate sheet attached	As per Attached Sheet
[57]	Providing & fixing of CO2 type Fire Extinguisher of capacity 4.5 kg filled with Co2 Gas as per IS 15222 with controll discharge mechanis, fitted with Hose & Horn applicable on Class B fire rating 21B confirms to IS 15683 bearing ISI mark. Co2 cylinder as per IS 7285.	No	As per separate sheet attached	As per Attached Sheet
[58]	Excavation for foundation upto 1.50mt. Depth including sorting out and stacking of useful materials and disposing of the excavated stuff as directed with in 50m. Lead (B) Dense & Hard soil	Cum	Item No. 4.0.0.1. (B) Page No. 32	Building Specification Booklet Attached
[59]	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	q	Item No. 11.4.(D) Page No. 80	Building Specification Booklet Attached
[60]	Providing corrugated PPGL Sheets roofing fixed with Galvanized iron 'J' or 'L' hooks bolts and nuts 8 m. diameter with bitumen and G.I. Limpet washers filled with white lead complete including ridges, gutters etc. excluding the cost of purlins, rafters and trusses. (1) 0.60 mm. Thick sheet	Sqm	As per separate sheet attached	As per Attached Sheet

Dated Signature of
the Contractor.

Dy. Executive Engineer
R & B Sub Division
Kapdwanj

Executive Engineer
R & B Division
Kheda