

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

Bill of Quantities (BOQ)

Item No.	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate (Exclusive GST)	Amount
				In Figures	
[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	0.30	Hac.	80243.80	24,073.14
[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.	464.60	Cum	117.07	54,390.72
[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.	406.00	Cum	129.80	52,698.80
[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.	503.00	Cum	130.39	65,586.17
[5]	Filling in plinth with sand under floors including watering ramming, consolidating and dressing etc. complete.	133.00	Cum	460.18	61,203.94
[6]	Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete	326.00	Cum	282.02	91,938.52
[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	788.00	Sqm	89.28	70,352.64
[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	32.00	Cum	4179.18	1,33,733.76
[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.	101.00	Cum	4498.57	4,54,355.57
[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	34.00	Cum	7267.87	2,47,107.58
[11]	Providing and laying cement concrete 1:5:10 (1 Cement : 5 coarse sand :10 hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinth	110.00	Cum	2517.43	2,76,917.30
[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	19.00	Cum	7213.65	1,37,059.35
[13]	Providing and laying controlled cement concrete M.200 and curing complete includingthe cost of formwork and reinforcement for reinforced concrete work in (D) Columns, Pillars posts and struts upto FF	19.00	Cum	7253.44	1,37,815.36

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[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	4.00	Cum	7293.24	29,172.96
[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	171.00	Cum	5798.77	9,91,589.67
[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	20.00	Cum	6069.34	1,21,386.80
[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	33.00	Cum	6109.13	2,01,601.29
[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	2.00	Cum	7446.84	14,893.68
[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	3.00	Cum	6360.44	19,081.32
[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	4.00	Cum	6400.23	25,600.92
[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	14.00	Cum	7559.01	1,05,826.14
[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	6.00	Cum	7598.80	45,592.80
[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.	151.00	Cum	4681.28	7,06,873.28
[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	80880.00	Kg	76.21	61,63,864.80
[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	66.00	Cum	4021.02	2,65,387.32

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[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}	75.00	Cum	4289.32	3,21,699.00
[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 }	55.00	Cum	4329.81	2,38,139.55
[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 }	21.00	Cum	4370.31	91,776.51
[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.	25.00	Sqm	3503.40	87,585.00
[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.	504.00	Sqm	127.36	64,189.44
[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.	32.00	Sqm	3337.04	1,06,785.28
[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	121.00	Sqm	989.44	1,19,722.24
[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.	19.00	Sqm	1127.84	21,428.96
[34]	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic 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.	318.00	Sqm	686.90	2,18,434.20
[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	62.00	Rmt	361.64	22,421.68

Item No.	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate (Exclusive GST)	Amount
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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	331.00	Sqm	224.37	74,266.47
[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	326.00	Sqm	216.82	70,683.32
[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	83.00	Sqm	239.58	19,885.14
[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	193.00	Sqm	169.25	32,665.25
[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	174.00	Sqm	190.10	33,077.40
[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	1214.00	Sqm	335.65	4,07,479.10
[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) containg one Kg of water profing 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 pattens or design as per drawing and cleaning by using oxalic acid etc complete.	156.00	Sqm	1072.54	1,67,316.24
[43]	Wall Painting with applying two coats of putty & three coats of primer of approval brand (three coats) plastic emulsion paint of approvaed brand and manufaturee on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	740.00	Sqm	160.01	1,18,407.40
[44]	Wall Painting with applying two coats of putty & three coats of primer of approval brand (three coats) plastic emulsion paint of approvaed brand and manufaturee on undecorated ceiling surface to give an even shade including throughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	367.00	Sqm	165.27	60,654.09
[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	1214.00	Sqm	114.53	1,39,039.42

Item No.	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate (Exclusive GST)	Amount
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[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 ASTM A 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.	747.00	Sqm	1757.40	13,12,777.80
[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.	7.00	No	14639.95	1,02,479.65
[48]	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	100.00	Rmt	40.99	4,099.00
[49]	Providing cement vata (10cm x 10cm size) quarter round in cement mortar 1:1 including neat cement finishing watering etc. Complete	130.00	Rmt	23.68	3,078.40
[50]	Providing 12mm wide groove throating / notch in plaster including finishing the same etc. complete for all height.	464.00	Rmt	20.20	9,372.80
[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.	308.80	Cum	207.40	64,045.12
[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	206.00	Cum	1150.60	2,37,023.60
[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.	52.00	Cum	669.71	34,824.92
[54]	Providing and laying cement concrete 1:4:8 (1 Cement : 4 coarse sand :8 hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinth	103.00	Cum	2680.20	2,76,060.60
[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 panel joint, including cutting the grooves in the concrete, including all material, labour and fuel - oil etc. complete.	155.00	Cum	5270.07	8,16,860.85
[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%).	6.00	No	1696.80	10,180.80
[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.	6.00	No	3989.50	23,937.00

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[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	150.40	Cum	149.67	22,510.37
[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.	49.00	q	9047.86	4,43,345.14
[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	288.00	Sqm	822.48	2,36,874.24
				Grand Total :-	1,65,11,229.81
One Crore Sixty Five Lakh Eleven Thousand Two Hundred Twenty Nine Rupees and Eighty One Paisa Only					

I/We am/are willing to carry out the work at.....% above/below percent (Should be written in figures and words) of the estimated rate mentioned above. Amount of my / our tender works out as under.

Estimated amount put to tender

Estimated amount put to tender

Deduct.....% below

Add.....% Above

Net

Net

In Words

In Words

(* Please strike out whichever is not applicable).

Note

1. The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
2. The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
3. GST and Income tax TDS will be deducted at a source while making payments of bills
4. In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.
5. Credit of dismantled materials of amount of **Rs. 0.00/-** must be recovered from contractor's 1st R.A. bill.
6. All duties, taxes, and other levies except GST payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder. (GST will be paid extra)

Dated Signature of
the Contractor.

Dy. Executive Engineer
R & B Sub Division
Kapdwanj

Executive Engineer
R & B Division
Kheda