

BILL OF QUANTITIES

Name of Work:-Restoration work for canal chowki, store room & surrounding area with fencing work for on compound wall near ch 210.230 km of Sujlam Suflam canal at village Dela Ta.Di.Mehsana

(A) Percentage Rate Tender(Up to INR 50Cr.)

Item No.	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Amount
1	Dismantalling masonry in lime or cement & stacking of useful and unuseful material from the dismantled materials as directed under detailed specification etc. comp.(a) Brick	5.28	Cum	497.20	2625.22
2	Dismantling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves,holdfasts and other attachment etc. complete andstacking them within all lead and lift.(i) Not exceeding 3Sq.M. in area.	2.00	Each	191.85	383.70
3	Providing and fixing 1 Metre high fencing with 1.3 Metre long M.S. Angle posts 40mm x 40 mm x6 mm (Y shape) and oil painting 3 coats fixed at 2.5 Mt,C/c. with Four Horizontal lines and two diagonals of galvanised steel barbed wire weighting 9.38 Kg. per 100 Metre, with 600 mm dia concentine wire on top and fixed to posts including fixing etc complete.	158.00	Rmt.	731.00	115498.00
4	Providing and fixing pre-cast Rubber Dye / steel Dyeinter locking concrete block 60mm thick with grade ofconcrete M300 pnumatic compressed / vibratedmechanically and as per approved design onfirming toS 15658 : 2006 including 35 mm Sand layer for levellingand filling the joint with sand in roper line and level asper guidlines of IRC : SP 63-2018 etc. Complete.	1055.15	Sq.mt.	699.84	738436.18
5	Providing and fixing pre-cast kerb block M250 Grade including levelling and filling the joint with Cement mortar CM 1:3 with line and level asper guidelines	77.00	Rmt.	304.00	23408.00
6	Excavation in all sorts of soil (including wet and slushy condition of soil) with yellow, sandy, gravelly soil including soft murrum & H.M. including sorting & stacking and depositing the excavated stuff in uniform layers as and where directed upto lead of 30 m and lift as shown below including clearing the site etc. compute (including dewatering) (B) For foundation trenches of C.D. work (a) 0 to 3 Mt. depth	71.25	Cum	79.00	5628.75
7	Earth work in embankment from borrow pits in all sorts of soil and soft murrum or other suitable strata as directed including breaking the clods and dressing to the design sections including cutting the proud section with lead as under and all lift including site clearing etc. complete. (c) 200 to 1000 Mt.	566.00	Cum	88.00	49808.00
8	Providing and laying foundation concrete of proportion as under by using cement, sand and machine crushed course aggregate laid in situ including necessary temping, smooth finishing, watering and curing as directed with all leads and lifts etc complete. (a) PCC 1:3:6	229.72	Cum	3979.00	914055.88
9	Providing and laying CC 1:2:4 grade using cement, sand & crushed metal incuding providing & erecting necessary form work, centering, vibrating, smooth finishing, watering & curing as directed with all leads & lifts etc. complete. (a) Sub structures	86.68	Cum	5418.00	469632.24
10	Providing and laying HYSD/TMT Fe 415, 500D steel bar reinforcement for R.C.C. works and anchor bar with providing binding wires including cutting, bending, welding, binding in position hooking, placing in position with all leads & lifts etc. complete.(C) TMT Fe 500 steel bars	1.26	MT	71366.00	89921.16

11	Providing burnt brick masonry 2nd class in cement mortar in 1:5 proportion for foundation & superstructure upto 6.00 mt. height including striking out joints 20mm deep curing watering finishing joints and providing scaffolding as directed as comp.	9.24	Cum	4182.00	38641.68
12	Providing cement plaster of cement & sand to brick masonry including racking out joint with scaffolding finishing watering curing etc. complete.(b) 12 mm thick C.M. 1:3	35.60	Sq.Mt.	196.80	7006.08
13	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	690.94	Sq.Mt.	40.59	28045.25
14	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	690.94	Sq.Mt.	82.97	57327.29
15	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (A) Shutter having width below 3.5 M.	5.25	Sq.Mt.	3554.40	18660.60
16	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 chemical /Sqm of surface is recommended as per I.S.	84.00	Sq.Mt.	80.62	6772.08
17	Dismentaling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	99.00	Sq.Mt.	49.18	4868.82
18	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	21.00	Sq.Mt.	994.37	20881.77
19	Providing and laying polished Kota stone slab 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 3 :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	78.00	Sq.Mt.	1019.00	79482.00
20	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	1.00	Each	1356.81	1356.81
21	Providing and fixing 12.5 Litres low level flushing istern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in wall and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour	1.00	Each	2370.39	2370.39
22	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550mm x v 400mm size. (i) In white colour.	1.00	Each	1519.50	1519.50

23	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (i)15mm dia.	4.00	Each	186.83	747.32
24	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws.(B) 600mm x 20mm size.	1.00	Each	616.42	616.42
25	Providing erecting and fixing double coated ISI watertank of required capacity each with all necessary fittings and connection etc. complete on terrace	1000.00	Ltr	3.95	3950.00
26	Supplying & erecting approved make self-priming domestic monoblock water pump with 1 H.P motor, suitable for operation on 230 volts, 50c/s. AC supply with metallic flange, and M.S. impeller delivery and following discharge (a) 40 LPM at 24 mtrs. head suitable for 25mm dia. Delivery (Cat II) Including Cost of Labour.	1.00	Each	6977.08	6977.08
27	Providing and fixing to wall ceiling and floor 6.0 Kg. F/Cm ² working pressure poluthene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clip etc. including making good the wall ceiling and floor. (B) 25mm	20.00	Rmt.	106.50	2130.00
28	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm ² working pressure poluthene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clip etc. including making good the wall ceiling and floor. (C) 32mm	20.00	Rmt.	123.47	2469.40
29	Providing and fixing cast iron spigot and socket soil, waste and ventilating pipes of the following nominal size. (C) 100mm dia. I	15.00	Rmt.	892.39	13385.85
30	Providing and fixing in position cowel went to pipes. (C) 100mm dia	1.00	Each	505.17	505.17
31	Providing and fixing plastic seat and cover for washdown water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover.	1.00	Each	291.33	291.33
32	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.	1.00	Each	859.41	859.41
33	Providing and fixing screw down bib taps of following size.(A) Brass screw down bib tap polished bright. (ii)20mm dia.	4.00	Each	214.81	859.24
34	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipeline etc. complete.(i) 20mm dia.	2.00	Each	254.78	509.56
35	Providing and fixing PVC SWR Nahni trap IS 14735 for drain 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	2.00	Each	586.60	1173.20
36	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight. (i) Square mouth traps. (A) 100mm x 100mm size P type.	2.00	Each	1292.19	2584.38
37	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.9, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt ,LED LED dCANAL/RIVER efficiency > 85 % (fitting required LM-79 & LM-80 ertificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer	8.00	Each	535.30	4282.40

	incharge may select any wattage capacity between the ranges shown.)(A) Tube Light with integral dCANAL/RIVER (v) 36-40 Watts, Surge-2 KV, IP-20, conventional 4 feet Cat-III				
38	Providing & erecting Approved make Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C.50 Hz 1200 mm sweep complete having 3 blades aluminium body and blade sets having ornamental design shanks , canopy erected with earthing. [Make shall be approved by Engineer in Charge]	4.00	Each.	2311.89	9247.56
39	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	3.60	Rmt.	108.07	389.05
40	Providing Fan clamp of 30 x 5 mm flat of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.	4.00	Each	98.98	395.92
41	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete	4.00	Pt.	674.68	2698.72
42	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.				
	(1)One No. SP 6 Amp. Cat.III	10.00	Each	151.50	1515.00
	(2) One No 5 pin plug Cat. III	12.00	Each	151.50	1818.00
	(10) 6/16Amp. Universal socket. Cat.III	6.00	Each	199.98	1199.88
	(11) 6 Amps. Bell Push Cat.III	2.00	Each	151.50	303.00
	(13) 6A/10A/16A/20A/25A/32A Single pole Modular MCB Switch Cat.III	4.00	Each	310.07	1240.28
43	Point wiring for Light / Fan/ Bell/ Primary Point with 2-1.5 sq. mm & earth wire of 1.5 sq. mm (green) both are of ISI marked 1.1 kv grade FRLS PVC insulated multi strand copper wires upto max length of 10 mt, in below type of pipe erected with 6A Tisino Type ISI marked flush type switch / bell push and accessories erected on Metal /PVC/Wooden Box covered with 3 mm thick PC(Polycarbonate) /Acrylic/Laminated sheet. with Lamp Tholder/ceiling necessary H.D.Connector as directed.	34.00	Each	390.87	13289.58
	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete				
44	providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP Cat. III	4.00	Each	2235.13	8940.52

45	Providing and fixing in position Heavy-Duty Domal 27x65 Series Aluminum Sliding Window three track System containing Glass Shutters, 3-4mm Thick Sunglass (Heat-reflective/Tinted), Mosquito Shutter with SS Mesh etc with necessary fittings, and installation complete as directed.	15.47	Sqm	7748.00	119861.56
46	Providing and fixing aluminium section of desire size including Glass & Supplying & erecting approved make low noise decorative exhaust fan(200mm with 1350RPM) having square frame ABS body with inbuilt lowers & square frame with necessary fittings, and installation complete as directed.	1.00	Each	3014.00	3014.00
47	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same maintenance for 30 days or more till the grass establish properly,as per direction of officer in charge (I) Lawn grass	277.50	Sq.Mt.	269.00	74647.50
				Total Rs.	2956230.73

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

~~(B) — For Item Rate Tender (For above INR 50Cr.):~~

Item No	Description of Item(with-brief specification and reference to book of specifications)	Quantity	Unit	Rate		Amount
				In figures	In Words	

(A) Total Tendered Amount

(B) Rebate on above tendere damount (if any)%(in figure).....
(in-
words).....

(C) Net Tendered Amount(A-B)(in figure).....
(in-
words).....

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1	The Contractor shall exhibit aboard with brief details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
2	The labourcess 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.NO.:MIS102010/17/K1 Dated:30/07/2018 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 fromt the rate of original item at the rate of input rate mentioned in all the tender.
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