

SCHEDULE OF QUANTITY

Name of Work :- Establishment of Cold Storage Chain (SH:- Construction of 16 MT Integrated Pack House - 1st unit)

Estimated cost: Rs.21,36,627/-

Earnest money: Rs.42,800/-

Time allowed: 5 months

Sl. No.	Item of Work	Qty	Rate	Unit	Amount
	(A) BUILDING				
1	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms lift upto 1.5 metres including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres (b)Hard/Dense Soil.	34.02		m ³	
2	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 metres lift upto 1.5 metre	11.34		m ³	
3	Filling in plinth with sandy soil under floors including watering ramming, consolidating and dressing complete.	33.14		m ³	
4	Providing and laying cement concrete in foundation and plinth excluding the cost of centering and shuttering in (g)1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	4.86		m ³	
5	Providing and laying in position specified grade of reinforced cement concrete,excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size).	4.32		m ³	
6	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers,abutments, posts and struts etc. up to floor five level excluding cost of centering,shuttering, finishing and reinforcement : (b) 1:1.5:3	2.88		m ³	

7	Reinforced cement concrete work in suspended floors, roofs landing, shelves & their supports balconies, lintels, beams, plinth beams, girders, bressumers and cantilevers upto floor two level excluding the cost of centering, shuttering, finishing and reinforcement in :- (b) 1:1.5:3	25.82		m ³	
8	Steel Reinforcement for R.C.C. work i/c. bending, binding and placing in position complete. (b) Thermo-Mechanically treated bars	5184.59		Kg	
9	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	17.09		m ²	
10	Providing form works i/c centering and shuttering so as to give a rough finish, strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 m and removal of the same for in-situ reinforced concrete and plain concrete				
	(a) Foundation, footings, bases of columns etc. and mass concrete.	7.20		m ²	
	(b) Columns, pillars, posts and struts (square, rectangular or polygon in plan).	38.40		m ²	
	(c) Sides or soffits of beams, beam haunchings, cantilevers, girders, bressumers and lintels not exceeding 1m in depth.	72.52		m ²	
11	2nd class (local first class) brick work in foundation and plinth in cement mortar 1:3 (1 cement: 3 coarse sand)	12.50		m ³	
12	2nd class (local first class) half brick masonry in superstructure in cement mortar 1:4 (1 cement: 4 coarse sand)	128.43		m ³	
13	Providing wood works in frames of doors, windows, clerestory windows & other frames, wrought framed & fixed in position (b) Local best quality Uningthou	0.10		m ³	
14	P/F 40 mm thick panelled, glazed or panelled and glazed shutters for doors, windows and clerestory windows i/c bright finished brass hinges (with Ordinary type) with necessary screws. (a) Local best quality Uningthou	22.77		m ²	

15	Providing 40 x 3 mm flat iron hold fast 40 cm long i/c fixing to frames with 10 mm dia bolts nuts & wooden plugs & embedding to cement concrete block 30 x 10 x 15 cm 1:3:6 (1 cement:3 coarse sand:6 stone aggregate 20 mm nominal gauge).	66		each	
16	Providing and fixing M.S sliding bolts bright finished or black enamelled with nuts & screws etc. complete. (a) 250 x 16 mm	28		each	
17	Providing & fixing M.S handles with necessary screws etc. complete. (a) 125 mm	28		each	
18	Providing & fixing M.S Tower bolts (barrel type) with screws etc. complete. (a) 250 x 10 mm	28		each	
19	White glazed tiles 10 mm in flooring, treads or steps & landing laid on a bed of 12 mm thick cement mortar 1:3 (1 cement:3 coarse sand) finished with flush pointing in white cement.	55.24		m ²	
20	15 mm cement plaster 1:3 (1 cement: 3 coarse sand).	256.86		m ²	
21	20 mm cement plaster 1:4 (1 cement: 4 coarse sand).	24.75		m ²	
22	Applying ready mixed priming coat pink primer of approved quality on wood work.	22.77		m ²	
23	Painting two or more coats (excluding priming coat) with chocolate, red, grey of buff paint approved quality on new steel or wood work to give an even shade.	22.77		m ²	
24	Providing & laying six course water proofing treatment with bitumen felt over roofs consisting of first, third & fifth courses of blown or/and residual bitumen applied hot at 13.61 Kg & 15.88 Kg per 9.29 sqm. of area respectively, second & fourth courses of roofing felt type 3 grade 1 Hessian base self finished bitumen felt & sixth & final course of stone grit 6 mm & down size gravel spread at 0.06 cum per 9.29 sqm i/c preparation of the surface etc. complete.	59.38		m ²	
25	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	256.86		m ²	
26	White washing with lime on new work (three or more coats) to give an even shade.	256.86		m ²	

27	Finishing walls with water-proofing cement paint of approved quality on new work (three or more coats) to given shade.	256.86		m ²	
	(B) INTERNAL ELECTRIFICATION INSTALLATION				
1	Wiring for light point/fan point/exhaust fan point/call bell point with 1.5mm ² FR PVC insulated copper conductor single core cable in presto plast casing and capping with modular type switch and earthing the point with 1.5mm ² FR PVC insulated copper conductor single core cable etc.as reqd.				
(a)	Group A	5		pt	
(b)	Group B	5		pt	
(c)	Group C	5		pt	
2	Wiring for light point/power plug with 2X4mm ² FR PVC insulated copper conductor single core cable in presto plast casing and capping with 1 No. 4mm ² FR PVC insulated copper conductor single core cable for loop earthing etc.as reqd.	10		pt	
3	Wiring for circuit/Sub-main wiring with earth wire with (the following sizes of) FR PVC ins.cu.cond single core cable in PVC sassing & capping etc.as reqd.				
(a)	2X2.5mm ² +1X2.5mm ² earth wire	50		mt	
(b)	2X4mm ² +1X4mm ² earth wire	80		mt	
4	Supply and fixing (following modular type switch/socket) on the existing modular plate and switch box i/c connection but excluding modular plate etc as reqd.				
(a)	5/6 amps switch	5		each	
(b)	15/16 amps switch	5		each	
(c)	3 pin 5/6 amps socket outlet	5		each	
(d)	6 pin 15/16 amps socket outlet	5		each	
5	Wiring for submain with 10m ² weather proof twin core Al. cond. Cableand G.I. bearer wire as reqd.	50		each	
6	S/F brass batten/angle holder i/c connection etc.as reqd.	13		each	
7	S/F fan hook i/c bolt & nuts.	2		each	
8	S/F stepped type electronic fan regulator on the existing modular plate sewitch box i/c connection but excluding modular plate etc.	2		each	

9	S/F 48" sweep AC ceiling fan complete with down rod, blade, canopy & regulator i/c connection etc.as reqd.(Havell's Pacer) white/Brown/Ivory	2		each	
10	S/F 12W LED bulb.	13		each	
11	P/F 60 amp MCSPN switch unit 240/250v with rewirable fuses i/c drilling holes on the board connection, earthing the body etc.as reqd.	1		each	
12	S/F (following way) single pole and neutral, sheet steel MCCB distribution board, 240V on surface/recessed complete with tinned copper bus bar neutral bus bar, earth bar,din bar, hinged front acrylic cover for the MCCB knobs detachable gland plate, interconnection, phosphatized and powder painted i/c earthing etc as reqd (but without MCB/RCCB/Isolator) (a) 2+4 way single door	2		each	
13	S/F 5 amp to 32 amp rating 230V 'B' series MCB for lighting and other load of (following poles) in the existing MCB DB complete with connection testing and commissioning etc.as reqd. (a) Single pole	8		each	
14	Supplying & fixing (following rating) double pole 240V isolator in existing MCB DB complete with connection testing & commissioning as reqd. (a) 40 amp	2		each	
15	Earthing with G.I.earth pipe 4.5mt.long and 40 mm dia. i/c accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.as reqd.	1		set	
16	Extra for using salt and charcoal for pipe electrode as reqd.	1		set	
17	P/F 4.06mm dia.copper wire on surface or in recess for loop earthing etc.as reqd.	20		mt	
	(C) SANITARY INSTALLATION: -				
1	E/W in excavation in foundation trenches or drains including dressing of sides and ramming of bottom lift upto 1.5m including getting out excavation soil and disposal of surplus excavated soil as directed within a lead of 50m. (b) Hard/Dense soil	5.625		m ³	

2	Providing and laying cement concrete in foundation and plinth excluding the cost of centering and shuttering in (g)1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	0.563		m ³	
3	Reinforcement for R.C.C work including bending, binding and placing in position complete. (b) Tor steel bar	80.989		kg	
4	Half brick work (2 nd class) in cement mortar 1:3 in super structure	13.125		m ²	
5	P/form work i/c centering shuttering so as to give a rough finish strutting and propping etc height of propping centering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforce concrete and plain concrete work				
	(a) Side and soffits of beam haunting cantilever girder brusses and lintel not exceeding 1m in depth.	4.575		m ²	
6	R.C.C work in suspended floor, roof, landing, shelve and their support balconies, lintel beam plinth beam, girder, brusser and cantilever upto floor two level including finishing and plastering the exposed surface with cement mortar 1:3 of thickness not exceeding 6mm to give a smooth even surface but e/c the cost centering, shuttering and reinforcement. (c) 1:1.5:3 (1 cement:1.5 C/Sand:3 graded stone aggrt. 20mm nominal sizes)	0.608		m ³	
7	50mm thick cement concrete flooring 1:2:4 (1 Cement:2 C/Sand:4 graded stone aggrt. 20mm nominal sizes) finish with a floating coat of neat cement.	3.750		m ²	
8	P/fixing white glazed earthen ware WC pan (a) Indian type (IV) 450mm	2		each	
9	Providing and fixing 100mm HCL past over pipe	2		each	
10	Proving and fixing 50 mm HCI soil waste and vent	1.80		Rm	
11	P/fixing a pair of white earthen foot rest of standard pattern for Indian type W.C. pan	2		each	
12	12mm cement plaster 1:3 (1 cement :3 c/sand)	26.250		m ²	
13	Neat Cement punning	14.250		m ²	

14	Providing and fixing UPVC soil, waste, rain water and vent pipes including all requisite fittings, jointing of pipes & fittings with solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in charge (b) 110mm dia	20.00		Rm	
15	Providing and fixing PVC traps with 100 mm inlet and 100 mm outlet of self cleaning design with screwed down of hinged grating with or without vent arm complete i/c cost of cutting and making good the walls and floors.	2		each	
16	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. (b) 40 mm dia	2		each	
(D) LAND DEVELOPMENT: -					
1	E/W in surface excavation exceeding 30mm in depth 1.5 depth in width as well as 10sqm on plan i/c disposal of excavation earth lead upto 50m and lift upto 105m, disposed soil to be leveled and neatly dressed. (b) Hard/Dense soil	360.00		m ³	

CONTRACTOR