

**SPECIAL REPAIRS TO URBAN HEALTH TRAINING CENTRE IN ESI DISPENSARY CAMPUS AT CHOOLAI****Financial Bid**

<b>S.No</b>	<b>DSR /MR</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1.0	12.20	Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.	Sqm	177.57		
2.1	6.4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in - Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	12.41		
3.0	11.36	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	28.56		
4.0	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,	Sqm	5.86		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
5.1	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete - Size of Tile 600x600 mm	Sqm	360.68		
6.1	12.41.2	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. - 110 mm diameter	Meter	12.00		
7.0	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer-in-charge.	Cum	17.76		
8.0	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge	Cum	1.36		
9.1	15.23.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. - For thickness of tiles 10 mm to 25 mm	Sqm	71.09		
9.2	15.23.2	For thickness of tiles above 25 mm and up to 40 mm	Sqm	318.84		
10.1	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :- Of area 3 sq. metres and below	Each	6.00		
11.0	15.7.4	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	Cum	1.76		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
12.1	14.80.2	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. - Orissa pattern W.C Pan of size 580x440 mm	Each	2.00		
13.1	13.7.2	12 mm cement plaster of mix : - 1:4 (1 cement: 4 fine sand)	Sqm	12.15		
14.1	13.6.1	20 mm cement plaster of mix : - 1:4 (1 cement : 4 coarse sand)	Sqm	95.76		
15.1	13.41.1	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : - New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	210.67		
16.1	13.60.1	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : - Two or more coats on new work	Sqm	1876.72		
17.0	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	Sqm	1876.72		
18.1	13.45.1	Finishing walls with textured exterior paint of required shade : - New work (Two or more coats applied @ 3.28 ltr/10 sqm)over and including priming coat of exterior primer applied@ 2.20kg/10 sqm	Sqm	95.76		
19.1	14.65.1	Finishing walls with textured exterior paint of required shade : - Old work (Two or more coats on existing cement paintsurface applied @ 3.28 ltr/10 sqm.	Sqm	196.37		
20.1	9.48.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. - Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	535.08		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
21.1	21.1.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : - Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	130.473		
22.1	21.1.2.1	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) - Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	135.051		
23.1	19.7.3.1	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : - With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	15		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
24.1	19.4.2.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:- 150 x 100 mm size P type- With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	2		
25.1	18.9.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. - 40 mm nominal outer dia Pipes	Meter	27.9		
25.2	18.9.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.- 100 mm nominal inner dia Pipes	Meter	12		
26.1	19.1.3	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : - 200 mm diameter	Meter	50.00		
27.1	19.2.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: - 200 mm diameter S.W. pipe	Meter	50.00		
28.1	19.5.3	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps: - 200 mm diameter	Meter	50.00		

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29.1	18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge - 20 mm nominal outer dia Pipes	Meter	11.56		
30.1	9.117.2	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$ mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1$ mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineering-in-charge- 9.117.2 Extruded section profile size 42x50 mm	RM	19.80		
31.1	9.120.2	Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mm x 1 mm, painted with primer , all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self	Sqm	6.30		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
32.1	26.28.2	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge - 50mm average thickness	Sqm	205.31		
33.1	23.1.1.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level. - 300 mm	Mtr	85.00		
34.1	23.4.3	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. - 200 mm nominal size dia	Mtr	85.00		
35.0	DATA A	Weathering course using concrete broken brick jelly 20 mm guage in pure slaked lime (No sand to be used) over RCC roof slab. The proportion of broken brick jelly to slaked lime being 32:12.5 cft well beaten by wooden beaters for giving required slope and thickness required etc. complete complying with standard specifications and as directed by Departmental Officers Lead 12 Km	Cum	17.76		
36.0	MR	MICRO CONCRETING- NTICORROSIVE COATING:- Clean the rebars using the rust remover if there exist any rust, otherwise clean the rebar free of foreign material. Mix the base and hardner of the zinc rich epoxy resin machanically using a slow speed heavy duty drilling machine fitted with mixing paddle. Apply the mixed materials to the cleaned rebar and allow it to dry complete	Sqm	205.31		

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37.0	MR	MICRO CONCRETING- ADDITIONAL REINFORCEMENT:Check the diameter of the existing rebars and if the diameter is less than 50% of the original diameter, provide additional reinforcement. Cut 12mm dia bars as main reinforcement to the required length with proper development length. Tie them to the prefixed shear connectors so that the additional rebar acts monolithically with the existing ones and core concrete. In the case of the shear reinforcement also, if the diameter of the rebars are reduced, provide 8mm dia stirrups in the form of 2 "U" shaped bars. Tie them properly so that it has a tight contact with the main bars	Kg	821.25		
38.0	MR	MICRO CONCRETING- APPLICATION OF EPOXY JOINTING COMPOUND: Mix the base and hardener of the epoxy jointing compound using a slow speed heavy duty drilling machine fitted with mixing paddle and apply the same to the prepared lintel beam/beam surface. Make sure that the concreting is done within 3 hours and the application should be done in such a way that allowance for concreting be kept in mind	Sqm	205.31		
39.0	MR	MICRO CONCRETING - FORM WORK: Supply of slurry tight form work which should not deform and leak due to pressure of micro concrete. Provision should be made for a suitable freed hooper for pouring concrete. The form work should be coated with the mould release agent prior to final fixing in position. Proper supporting arrangement to be made for keeping the shutter in correct line and length- complete	Sqm	205.31		



S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
40.0	MR	MICRO CONCRETING:- Stock sufficient quantity of micro concrete (RENDROC RG of fasroc or equal make) and 12mm down graded chips on site to enable the completion of the pouring in a continuous operation. An approved concrete mixer or a slow speed heavy duty drilling machine fitted with mixing paddle shall be used. Mix the micro concrete and the 12 mm down grade chips in the ratio of 1:0.5 by weight with the required quantity of water and place the same to the prefixed well before the epoxy jointing compound dries up. Remove the form work after 24 hours in the case of column and after a period of 72 hours in the case of slab and beam and check for any surface defects and if so apply to polymer modified mortar-Complete	Sqm	205.31		
41.0	MR 4	Roof Slab water proof treatment - Providing water proofing treatment for roof slab with Polymeric Membrane coating like (BRUSH BOB RFX or equalant ) surface shall be cleaned and free from dirt or any other form of foreign matter. Acid wash and water wash the surface and allow the surface to dry. mix the Part A and part B of the polymer modified cementitious coating mechanically using an electrical operated mix paddle. apply the same in two coats over the prepared surface one after the other dry up with minimum interval of 4 hours between the coats. Providing pressure grouting in all the vertical and Horizontal joint including the suspected areas	Sqm	177.57		
42.0	MR 5	Protective Plaster for Polymeric membrane coat - Providing Cement sand mortar 1: 4 and apply the same to an average thickness of 12 mm cement finished with a coating coat of neat cement of mix with water proofing compound of complast X421 IC or equalant approved quality in proportion recommended by the manufacturers	Sqm	177.57		

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43.1	1.10.2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.- Group B	Point	52.00		
44.0	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	225.00		
45.0	1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	45.00		
46.1	1.14.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required - 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	147.00		
47.1	1.24.1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.- 5/6 amps switch	Each	8.00		
47.2	1.24.3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 15/16 amp switch	Each	4.00		
47.3	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 3 pin 5/6 amp socket outlet	Each	8.00		
47.4	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 6 pin 15/16 amp socket outlet	Each	4.00		

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48.0	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Each	5.00		
49	A-18	Water tight bulk head fitting suitable for CFL lamp with guard heavy type	Each	1.00		
50	B-1-a	AC ceiling fan complete 1200mm ( 48") sweep with 300mm Down rod (without regulator)	Each	13.00		
51	DATA I	Energy saving, instant start and flicker free T5 28W Flurescent fitting	Each	16.00		
52	DATA J	T5" 28 W Fluorescent tube	Each	16.00		
53.0	SD 130	Supply and fixing of TNEB meter board suitable for 3 phase 100 Amps service connection made up of suitable angle iron frame work of size 2 feetx1.5 feet using angle iron of size 1.5 x 1.5x.25" rigidly fixed on wall covered with hylem sheet of size 2'x1.5' of 12mm thickness with necessary bolts and nut supports and supply and fixing of 3 Nos 100 Amps fuse units (500V) 1No, Neutral link copper earth flat of size 1"x.25" with interconnection of EB meter to fuse units by 7/16 PVC insulated copper wire with earth connection complete	Each	1.00		
54	SD-206	Supply and laying of 3.5x50 Sqmm PVC armoured LT UG Cable in a trench to be excavated at a depth of 0.75 mtr putting 0.15 mtr layer of sand and covering the cable completely with bricks and sand and refiling the earth to make good	Mtr	75.00		
55	MR	Supplying and providing of 33 W LED street light Fittings	Each	4.00		
56	TWAD	Subermisible for bore well pumpset	Each	1.00		
57	BA	4 HP to 15 HP with relay range 2.5A to 13A fully automatic star delta starters with SPP future Make. Siemens/L&T/BCH	Each	1.00		
58	DATA AO	Supplying and fixing of 4 Sqmm 3 core flat wire	Mtr	130.00		
59	DATA	Supplying and fixing of HDPE hose pipe for submersible pump	Mtr	130.00		

**TOTAL**