

# ANNEXURE I

CONSTRUCTION OF CEMENT DEPOT AND OFFICE						
SN	BSR Ref	Description	Unit	Quantity	Rate	Amount
<b>I</b>	<b>Construction of cement shed</b>					
1	EW0002	Surface dressing of ground, including removal of vegetations and inequalities < 150mm deep, disposal of rubbish within 50m lead and 1.5m lifts - All types of Soil	sq.m	648.00		
2	EW0031	Earth work in excavation over areas, depth >300mm, width >1.5m, area >10 Sq.m on plan, including disposal of excavated earth within 50m lead and 1.5m lift & disposed soil to be neatly dressed - All types of Soil	cu.m	169.74		
3	SM0072	Providing and laying Hand packed stone filling or soling with stones	cu.m	113.88		
4	CW0005	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level - 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	cu.m	6.27		
5	SM0005	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth - In cement mortar 1:4	cu.m	27.66		
6	RC0002	Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level -1:1.5:3 (1 cement : 1.5 sand : 3 graded crushed rock 20 mm nominal size)	cu.m	55.26		
7	RC0083	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	kg	2124.438		
8	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork -Foundation and plinth etc.	sq.m	320.4		
9	EW0195	Filling of trenches, sides of foundations etc. in layers <200mm using selected excavated earth, ramming etc. within lead 50 m & lift 1.5m	cu.m	106.2		
10	A/R	Steel work welded, in built up sections, trusses, frame-works including cutting, hoisting, fixing and appl. priming coat of red lead paint - Steel work	kg	25005		
11	BW0012	Providing & laying Second-Class Brick work in superstructure above plinth level, up to floor two level -In cement mortar 1:4	cu.m	47.25		
12	PL0021	Providing & laying 12mm cement plaster	sq.m	425.25		
13	RF0003	Providing & fixing Pre - Painted Galvanised Iron (PPGI) sheets, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses- 25g (0.50mm)	sq.m	1211.664		
14	RF0007	Providing & fixing 600 mm ridges or hips in Pre - Painted Galvanised Iron (PPGI) sheets, including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection-25g. (0.50mm)	m	37.2		

15	EW0196	Providing & laying sand bedding, including watering, ramming, dressing	cu.m	32.4		
16	DP0020	Providing and laying moisture barrier using plastic sheeting underlay-200 micro-metre	sq.m	648		
17	FL0053	Providing & laying cement concrete flooring 1:2:4, finished with floating coat of neat cement - 20mm aggregates, 150mm thick	sq.m	648		
18	SW0035	Providing & fixing in position with vertical channels 20x10x2mm and braced with flat iron, diagonals 20x5mm with top and bottom rails of T-iron 40x40x6mm with 38mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers handles including applying a priming coat of red lead paint - Providing & fixing in position Aluminium Rolling shutters of 0.57mm thickness, including all accessories complete	sq.m	27		
19	A/R	Provide & installing 3D LED sign board with all necessary accessories complete (Design and letter font shall be approved by supervising engineer).	sq.m	5.52		
<b>Total for I</b>						-
<b>II Construction of PEB office</b>						
1	EW0106	Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan, including dressing & ramming, disposal of surplus soil within 50m lead & 1.5m lift - All types of Soil	cu.m	11.38		
2	SM0072	Providing and laying Hand packed stone filling or soling with stones	cu.m	9.58		
3	CW0007	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level. - 1:3:6 (1 cement : 3 sand : 6 graded gravel/shingles 40 mm nominal size)	cu.m	4.74		
4	SM0005	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth - In cement mortar 1:4	cu.m	11.378		
5	RC0003	Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level -1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	cu.m	1.066688		
6	RC0083	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	kg	185.524		
7	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork -Foundations, Footings, all works upto Plinth Level, etc.	sq.m	9.2535		
8	GL0001	Providing and fixing vitrified tiles in skirting, step risers, dado and wall on 12 mm thick cement mortar 1:3 (1 cement:3 sand) finished with Tiles grout flush-pointing - tiles size shall be 12 inches x 12 inches with 6mm thick (Colours and shade shall be approved by supervising engineer)	sq.m	20.96		

9	GL0002	Providing and laying vitrified tiles in flooring, treads of steps and landings on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) finished with tiles grout flush pointing - tiles size shall be 18 inches x 18 inches with 10mm thick (Colours and shade shall be approved by supervising engineer).	sq.m	33.06		
10	A/R	Steel work welded, in built up sections, trusses, frame-works including cutting, hoisting, fixing and appl. priming coat of red lead paint - Steel work	kg	1582.26		
11	A/R	Providing and fixing 50mm thick PPGI PUF panel including all fittings and accessories complete. .	sq.m	69.29		
12	RF0003	Providing & fixing Pre - Painted Galvanised Iron (PPGI) sheets, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses- 25g (0.50mm)	sq.m	87.84		
13	A/R	Providing and fixing Anodised Aluminium Section partitions wall including glass panes, rubber gasket, etc complete.	sq.m	8.4		
14	A/R	Providing and fixing in position Anodised aluminium door 2000mm X 1000mm including all fittings and accessories complete.	each	1.00		
15	A/R	Providing and fixing in position Laminated flush doors 2000mm X 1000mm including all fittings and accessories complete. (Door sample shall be approved by supervising engineer).	each	1.00		
16	A/R	Providing and fixing in position Laminated flush doors 1900mm X 700mm including all fittings and accessories complete. (Door sample shall be approved by supervising engineer).	each	2.00		
17	WW0718	Providing, fixing and installation of 2-track, UPVC sliding windows (2100x1500mm) including 5mm clear glass with hardware fittings - EPDM gaskets, U- groove roller, Aluminium track, Fastner nut, interlock, touch lock and wool pile, complete - Plain white window	each	4.00		
18	A/R	Providing and fixing aluminium louver (500mm x 450mm) including all fittings and accessories complete. (Louver sample shall be approved by supervising engineer).	each	2		
19	A/R	Providing and installing 1 ton capacity split air conditioner (Brand voltas) including all fittings and accessories complete.	each	1		
20	A/R	Providing & fixing MS plate Eaves board (225x3mm) with moulding fitted and fixed with necessary screws.	m	46.412		
21	A/R	Providing and fixing of 6mm PVC soffit board including providing and fixing of anodised aluminium section for false ceiling framing (Sample shall be approved by supervising engineer).	sq.m	48		
22	A/R	Providing and fixing of 600 x 600 x 8 mm pre-laminated gypsum tiles fixed and finished on a suspended grid of powder coated GI Frame (Sample shall be approved by supervising engineer).	sq.m	30		
23	A/R	Providing and fixing of 6mm PVC false ceiling board fixed and finished on a suspended grid of powder coated GI Frame (Sample shall be approved by supervising engineer).	sq.m	6		

24	PI0042	Providing & fixing Indian-type vitreous china w.c squatting pan with 10 litres PVC cistern including 100 mm P or S trap, fittings and repairing walls complete - 580mm, white Orissa-model	each	2		
25	PI0205	Providing & fixing c.p. brass bibcock - 15mm, standard vertical, c.p knob	each	2		
		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes - class 1 (SDR11), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making the good walls etc.				
26	PI0317	25 mm nominal outer dia Pipes	m	15		
27	PI0315	15 mm nominal outer dia Pipes	m	5		
28	PI0032	Providing & fixing plastic tank including all accessories complete - 1000 litre capacity	each	1		
29	DR0001	Providing and laying Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth - With 50mm thick cement concrete 1:3:6, 20mm aggregates, laid over 75mm thick layer of compacted gravel (40mm)	sq.m	48		
30	DR0011	Constructing second class brick masonry open surface drain in cement mortar 1:4 including earth work in excavation 100 mm thick concrete bed 1:5:10, 40mm aggregate and 25mm thick cement concrete 1:2:4, 12 mm aggregate for filling haunches including 12mm cement plastering 1:4 with a floating coat of neat cement and disposal of surplus earth etc. complete - 150mm wide x 200mm average depth	m	38		
31	PO0565	Providing & fixing P.V.C Nahani Trap - 110mm inlet & 75mm outlet	each	2		
		Providing & fixing P.V.C soil waste and vent pipes, single or double socketed, including pipe clip complete (excluding the cost of PVC fittings)				
32	PO0370	75mm dia	m	4		
33	PO0372	110mm dia	m	10		
		Providing & fixing P.V.C door bend				
34	PO0415	75mm dia	each	2		
35	PO0417	110mm dia	each	2		
36	PI0086	Providing & fixing white vitreous china wash basin, including C.I brackets, 15mm C.P. brass pillar taps, c.p. chain & rubber plug, 32mm pvc waste, 32mm dia. trap & union, repair walls - Flat back wash basin 630x450mm with single 15mm c.p. brass pillar taps	each	2		
37	PI0250	Providing & fixing 600x450mm bevelled edge mirror (superior glass) incl.4mm A.C sheet base fixed to wooden cleats	each	2		

38	PO0620	Constructing Septic Tanks, in 2nd class brick masonry in cement mortar 1:4, including fittings, C.I cover with frame, 40mm thick concrete flooring (40mm aggregates) cement plaster concrete base in C.C 1:4:8 etc. complete as per standard design - 15 users	each	1		
39	PO0600	Constructing Soak Pit - Size 1200x1200x1200mm, filled with brick bats including 110 dia H.D.P.E (PN 4) drain pipe X 1200mm long	each	1		
		<b>Total for II</b>				-
	<b>III</b>	<b>Electrical works</b>				
		<b>Wiring and accessories</b>				
		Supplying, fixing, testing & commissioning of prewired Flood light LED based luminaire with die cast housing and toughened glass cover for out door application IP not less than 45				
1	OL0353	150 watt	each	14		
		Wiring for light, fans, call bell and 2 pin light socket outlet with 1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in PVC casing and capping including connections, painting, testing & commissioning etc., as required				
2	WP0105	Short Point	Pt.	10		
3	WPO106	Medium point	Pt.	2		
4	WPO107	Long point	Pt.	2		
		Wiring for 5/6 pin, 16 ampere plug point with 4 sq.mm 1.1kV grade,PVC insulated copper conductor cable in PVC casing & capping with providing and fixing 5/6 pin, 6/16 ampere socket outlet & switch including earthing the third pin,connections, painting, testing & commissioning etc. as required				
5	WPO146	Medium point	Pt.	2		
6	WPO147	Long point	Pt.	4		
		Supplying & fixing of 6A switch on existing PVC/metal/moulded tough surface box (recessed or surface) including necessary cutting, connection testing etc. as required.				
7	SS120	6A 1 way switch	each	14		
8	SS0135	400W electronic dimmer/regulator	each	2		
		Supplying and fixing of socket outlet on existing PVC/meatl/moulded tough surface box (recessed or surface) including necessary cutting, connection, testing, etc. as required.				
9	SS0151	6A 5 pin hole socket	each	2		
		Supply and fixing of PVC Casing Capping on recessed including all accessories such as screws, bends, elbows, Tees, corners, etc, complete as required.				
10	MT4947	40X20X1.2mm	m	60		
		Supplying of 2- Core 1.1KV grade PVC insulated and sheathed Aluminium conductor armoured power cables.( inclusive of laying on the existing wall)				
11	PC0121	4 sq mm	m	60		
		<b>Lighting fixture</b>				

		Supplying & fixing of prewired indoor surface/ceiling mounted LED Tube light luminaires of 3000/4000/6000k, complete with all accessories with necessary testing & commissioning.				
12	IL0382	20watt	each	10		
		Supplying of ceiling fan 250V AV 1400 rpm with all accessories such as down rod, sweep 3 nos. canopy 2 nos, condensor and fan body etc. complete as required.				
13	FN0002	1200 mm sweep	each	2		
		Supplying of exhaust fan 250V AV 900 rpm with all accessories such as fram with arm 3 nos. sweep 3 nos. condensor and fan body etc. complete as required.				
14	Findoor	300 mm sweep	each	2		
		Supplying of aluminium louveres for exhaust fan complete with all accessories as required.				
15	FN0045	300 mm sweep	each	2		
		<b>Control gears &amp; protections</b>				
		supply & fixing of SPN distribution board (DIN type) with metal door, 230 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required				
16	GB0520	2 Way	each	2		
17	GB0516	6 Way	each	1		
		Supplying of miniature circuit breaker (MCB) single pole. 230 volt AC complete with all accessories suitable to fix on a din-bar etc. as required.				
18	GB0270	6A	each	2		
19	GB0272	16A	each	2		
		Supply & Installation, testing & commissioning of miniature circuit breaker (MCB) double pole, 230 volt A.C complete with all accessories suitable to fix on a din bar etc. as required				
20	GB0313	20 A	each	1		
21	GB0318	63A	each	1		
		<b>Earthing</b>				
		Prviding and fixing of earthing including all accessories, mansenary enclosure, CI cover plate having locking arrangement, watering pipe with excavation and refilling work including charcoal or coke and salt complete as required as per standard earthing drawing.				
22	ET0001	With GI earth plate 600x600x6mm	each	1		
23	L.S	With GI pipe	m	5		
		Providing and laying wire for loop earthing in existing surface/recessed PVC/MS/steel conduit or casing capping or wooden batten along with other wires as required.				
24	ET0121	2.032mm (14SWG) copper wire	m	30		
		<b>Total for III</b>				
		<b>Grand Total</b>				