

## Construction of store room near recycling pumphouse and Portable water supply at Tilia ash pond.

### Bill of Quantities & Price Bid Format

#### PART-A

Sl.No.	Description of Item	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation for foundation up to 1.5m depth in ordinary soil including dressing & levelling the bed & depositing the excavated materials within 50m, initial lead & 1.5m, initial lift with all cost, conveyance, tools & plants, labour etc., all complete as per the direction of Engg-in-charge.	Cum	18.00		
2	Earth&/ash work in back filling of foundation/ trenches etc. including dressing & levelling with available earth/ash within initial lead of 50 meters with all costs, conveyance, T&P, labour, royalties etc. all complete as per the direction of Engg.-in-charge.	Cum	215.00		
3	Cement concrete (1:4:8) by using 40mm graded hard granite crusher broken chips including all cost, conveyance of materials, mixing, laying of concrete, watering, curing, conveyance, T&P, royalties of all materials, scaffolding & labour charges etc., all complete as per direction of Engg-in-charge.	Cum	4.77		
4	Providing and laying reinforced cement concrete R.C.C (1:1.5:3) using 12 mm size hard granite crusher broken chips including all cost of watering, curing, conveyance, T & P, PPEs, royalties, taxes of all materials required for the work etc. complete as per direction of Engineer -in-charge.	Cum	28.31		
5	Supplying, cutting, bending & binding and placing TMT reinforcement in position of required dia as per drawing including cost of materials, conveyance, taxes, labour, etc. all complete as per direction of Engineer-in-charge.	Qntl.	28.31		
6	Rigid and smooth centering and shuttering for R.C.C works including false works, scaffolding etc. at all elevations and dismantling them after casting including cost of materials, conveyance, taxes and labour charges etc. all complete as per direction of Engineer-in-charge.	Sqm	283.09		
7	Ash brick masonry in cement mortar(1:6) in foundation and plinth for all type of works of all thickness including all cost, splay cutting, watering, curing, conveyance, T & P, Scaffoldings, royalties, taxes & Duties of all materials and labour charges etc. complete as per direction of Engg.-in-charge. (Ash brick will be supplied from Ash Brick Plant of OPGC free of cost. Contractor has to arrange his own conveyance for transportation to Site)	Cum	53.94		

8	Providing 12mm thick cement plaster to the surface of brick masonry wall with cement mortar (1:6) including racking out joints, scraping and cleaning the surface and finishing the plaster surface smooth using wooden floats only to proper plumbs and level and making grooves and beads to give required ornamental finish as per drawings including cost of all materials, conveyance, loading and unloading, all taxes and royalties, all labour, scaffolding, watering and curing, sundries and T&P etc all complete as per direction of the Engineer -in-charge .	Sqm	192.16		
9	16mm. Thick cement plaster in cement mortar (1:6) over masonry/ CC works, finished smooth after racking out joints including cost of all materials, conveyance, loading and unloading, all taxes and royalties, all labour, scaffolding, watering and curing, sundries and T&P etc all complete as per direction of the Engineer -in-charge .	Sqm	133.27		
10	Cement concrete(1:3:6) using 12 mm graded hard granite crusher broken chips including all cost, laying of concrete watering, curing, conveyance, T & P, royalties, taxes of all materials required for the work , Scaffolding & labour charges etc complete as per the direction of Engineer-in-charge.	Cum	7131.75		
11	40mm. Thick A.S. flooring in cement concrete (1:2:4) laid in two layers to the required slope with 6 to 12mm graded crusher broken chips, finishing the top with cement slurry, including all cost, watering, curing, conveyance, T&P, royalties of all materials, scaffolding & labour charges etc., all complete as per direction of Engg-in-charge	Sqm	611.74		
12	White washing 02 coats on old / new surface using best quality shell lime including thorough cleaning, rubbing out moss nad loose scales etc., and preparation of the surface area of application,T&P, royalties of all materials, scaffolding & labour charges etc., all complete as per direction of Engg-in-charge	Sqm	15.10		
13	Providing & Painting with cement base paint (Super Snowcem) 02 (Two) coats on old/new surface using approved brand and shade including thorough cleaning, rubbing out moss nad loose scales etc., and preparation of the surface area of application,T&P, royalties of all materials, scaffolding & labour charges etc., all complete as per direction of Engg-in-charge	Sqm	192.16		

14	Supplying, fabrication and erection of all type of mild steel iron work for all type of structures, sheds, grills, doors, fencing posts, ash pond approach bridge etc with approved quality (SAIL or TISCO make) steel structural, angles, channels, plates, Ch Plates of all sections at all levels and elevations, painting with 02 coats of High gloss enamel paint over a coat of red oxide primer including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings etc complete in all respect as per the direction of the Engineer-in-Charge.	Kg	346.46		
15	Supplying and fixing of 1000 litre capacity (Sintex / APL Apollo , Astral , Plasto or equivalent make) rotational moulded polyethylene cylindrical vertical water storage tank confirming to IS 12701-1996 including cutting holes through the tank and fixing pipe and fittings and providing extra scoket jam and nuts, fixing ball valve etc, including supply, providing & fixing <b>3no's each for 32mm dia Brass full way valve( ISI ) marked &amp; G.I. Union 32 mm nominal bore</b> & including hoisting upto a height of 5 metres above ground level and placing the tank to the required position etc all complete as per specification, including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries, etc complete in all respect as per the direction of the Engineer-in-Charge.	NO	2.00		
16	Supplying & fixing to wall or ceiling and floor 32MM DIA GI pipes (Medium Quality) of approved make (Tata / Jindal ) with all fittings, clamps, including making good the wall ceiling and floor, testing all complete as per specification including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries, etc complete in all respect as per the direction of Engineer-in-Charge.	RMT	150.00		
17	Supplying & fixing CP bib cock (jaguar make FLR-CHR-5079N) of range 15mm size, testing all complete as per specification including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries, etc complete in all respect as per the direction of Engineer-in-Charge.	EACH	3.00		
18	Supplying & fixing CP Angular Stop Cock (jaguar make SOL-CHR-6053) of range 15mm size, testing all complete as per specification including all cost of materials, conveyance, taxes, labour charges, T&P, scaffoldings, sundries, etc complete in all respect as per the direction of Engineer-in-Charge.	EACH	3.00		
19	Providing and fixing 16mm thick kota stone tile of approved quality and texture in platform / stairs / floors etc including surfacing, grinding, and moulding the noses as required over a bed of average 25mm thick cement mortar (1:4) and joints grouted with cement slurry including all cost, watering, curing, conveyance, T&P, taxes and royalties of all materials required for the work and labour charges etc complete as per the direction of Engineer-in-Charge.	sqm	13.50		
<b>Sub Total (Part -A) Excluding GST</b>					

PART- B					
Sl.No	Description of items	Unit	QNTY	RATE	AMOUNT
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single cable etc. as required. ( Group-A TYPE)	POINT	15.00		
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single cable etc. as required.	POINT	15.00		
3	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	MTR	45.00		
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes <b>2X 2.5 sq. mm + 1 X 2.5 sq. mm</b> of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.	MTR	375.48		
5	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required. <b>75 mm X 75 mm X 60 mm )</b>	Each	20.00		
6	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required. <b>200 mm X 150 mm X 60 mm</b>	Each	4.00		
7	Supplying and fixing 5/6Amp piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	Each	24.00		
8	Supplying and fixing 15/16Amp piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	Each	4.00		
9	Supplying and fixing 3Pin 5Amp Socket outlet piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	Each	24.00		
10	Supplying and fixing 6 pin 15/16 amp socket outlet piano type switch/ socket on the existing switch box/ cover including connections etc. as required.	Each	4.00		
11	Erection of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS lamps per fitting, complete with all accessories including connection etc. as required. ( AS PER DSR E&M -2022 , SL NO-1.35)	Each	12.00		

12	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	3.00		
13	Installation of exhaust fan Upto 450 mm sweep in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. (DSR E&M -2022 ,SL NO-1.50.1.)	Each	3.00		
14	Supplying and fixing 6 way double door, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) .	Each	1.00		
15	Supplying and fixing 63A capacity TP & N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections etc as Required.	Each	1.00		
16	Supplying and fixing 40A rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	4.00		
17	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	1.00		
18	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	METER	20.40		
<b>Sub Total (Part -A) Excluding GST</b>					
<b>Grand Total (Part-A &amp; Part-B) Excluding GST</b>					
<b>GST shall be extra at actuals, applicable % along with</b>					