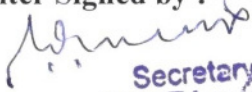



TECHNICAL REPORT

1. Name of the work :- PRANTIK HANDLOOM & HANDICRAFT CLUSTER
2. Location :- Plot No.- 5528/29/30 J.L. No.- 50 Mouza - LAULARA
G.P.- PUNCHA P.S- PUNCHA Dist.- PURULIA
3. Source of Fund :- SFURTI (COHANDS)
4. Year of Sanction :- 2021
5. Sanctioned Amount :- Rs. 57,49,925.67
6. Specification of the work :- a) Single B.F.S. & P.C.C. (6:3:1) in found. & floor, b) C.C.(3:1.5:1) with 1.12% reinforcement in Col., Beam, Lintel, Roof etc., c) B/W (i) 250mm th. wall with (6:1) sand - cement mortar & (ii) 125mm th. wall with (4:1) sand - cement mortar, d) 25mm th. D.P.C. with C.C. (4:2:1), e) 35mm th. A.S.F. (4:2:1) & f) Sand-cement plaster (4:1) in ceiling & (6:1) in wall.
7. Schedule Adopted :- PWD
8. Estimated Amount :- 57,49,925.67

Counter Signed by :-


Secretary
MANT Purulia

Prepared by :-


Ajay Mahapatra
Diploma in Civil Engineering
Plan Maker & Estimator
D.C.E.
REG. No.-D131478722

**ESTIMATE FOR COSTRUCTION OF CFC PROJECT AT PRANTIK HANDLOOM & HANDICRAFT CLUSTER,
DIST- PURULIA**

SI No	Description	Unit	Qty	Rate	Amount
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.(P-1,SI No-1)	Sq.m	112	10	1,120.00
2	Earth work in excavation of foundation trenches of drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing spreading or stacking the spoils with in a lead of 75m. As directed. The item includes necessary trim-ming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water etc. as required complete. Depth of excavation not exceeeding 1,500 mm (P-1,SI No-2)	Cum	106.2	119.27	12,666.47
3	Earth work in filling in foundation trenches or plinth with good earth, in layer not exceeding 150mm including watering and ramming etc. layer by layer complete a) With earth obtained from excavation of foundation.(P-1,SI No-3)	Cum	21.24	77.54	1,646.95
4	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)	Cum	296.33	572.55	1,69,663.74
5	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level, and filling joints with powered or local sand.(P-14,SI No-1)	Sq.m	396.07	264	1,04,562.48
6	Labour for laying single brick flat soling including ramming and dressing bed to proper level and filling joints with powdered earth.	Sq.m	406.07	40	16,242.80
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. Pakur Variety	Cu.M	190.71	5006.8	9,54,846.83
8	Hire and labour charges for shuttering with centreing and necessary staging up to 4m using approved stout props thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, linteles curved or straight including fitting, fixing and striking out after complition of works upto roof of GF(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge. (P-42,SI No-36c)	Sq.m	750	324	2,43,000.00

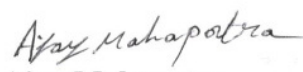
9	Reinforcement for reinforced concrete work in all sorts structure including distribution bars, stirrups, binders etc. including of rods initial straightening and removal of loose rust (if necessary), cutting to requisite length , hooking and bending with 16 gauge black annealed wire at every inter section, complete as per drawing and direction. For work in foundation, basement and and up to roof of/upto 4m i) Tor steel/Mild Steel (P-43,SI No-40)	M.T.	13.97	55588	7,76,564.36
10	Brick work with 1st class bricks in cement mortar (1:4) GL TO PL (a) In foundation and plinth(P-15,SI No-7)	Cum	38.19	4480	1,71,091.20
11	Brick work with 1st class bricks in cement mortar (1:4) in Super Structure ,Ground Floor(P-15,SI No-7)	Cum	60.16	4703	2,82,932.48
12	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) (P-16,SI No-16)	Sq.m	419.2	588	2,46,489.60
13	25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately).(Chequering not required over concrete or painted surface). [Note: - Waterproofing as per item NO 9, polymer based paint as per item 8 (a) of Section (C). (P-47,SI No-1)	Sq.m	29.18	185	5,398.30
14	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals). Sal : Sal Malayasian (P-114,SI No-1e)	Cum	1.09	75572	82,373.48
15	Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wideeach and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneerscomplete, including fitting, fixing shutters inposition but excluding the cost of hinges andother fittings in ground floor.(a) 35 mm thick shutters (single leaf) (P-124,SI No-11)	Sq.m	23.5	2659	62,486.50

16	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (ii) With 1:4 cement mortar ,c) 10 mm thick plaster. Ceiling Plaster (P-189,SI No-1)	Sq.m	370		121	44,770.00
17	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] With 1:6 cement mortar a) 20mm thick plaster OUTSIDE (P-189,SI No-1)	Sq.m	1260.68		151	1,90,362.68
18	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] With 1:6 cement mortar b) 15mm thick plaster INSIDE (P-189,SI No-1)	Sq.m	1200		133	1,59,600.00
19	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m. (P-192,SI No-15)	Sq.m	150		34	5,100.00
20	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same throughly (plastered of concrete surface) as per manufacturer's specification. (P-197,SI No-15)	Sq.m	2930		49	1,43,570.00
21	Primming One coat on Timber or Plaster surface with Synthetic Oil bound Primer of approved Quality including smooting surface by sand Papering etc. (P-200,SI No-1b)	Sq.m	30.34		38	1,152.92
22	(b) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. (P-200,SI No-1)	Sq.m	75		29	2,175.00

23	Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top,bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, annodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness Annodizing film Natural white All Floor (P-245,SI No-15)	Kg.	345	448	1,54,560.00
24	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. i) 6mm thick coloured / tinted / smoke glass. All Floor (P-249,SI No-24)	Sq.m	65	957	62,205.00
25	a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S,W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.(i) Grill weighing above 16 Kg./sq. mtr. GROUND FLOOR(P-104,SI No-13)	Qntl.	22.2	7238	1,60,683.60
26	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete. IN	Sq.m	9.5	3402	32,319.00
27	Supplying,fitting and Fixing MS Clamps for Door and Window frame made of Flat bend Bar , end bifurcated with necessary screws etc by cement concrete (1:2:4) as per direction.(Cost of Concrete will be paid Separately) 40mm x 6mm ,250 mm length (P-140,SI No 4)	Each	210	29	6,090.00
28	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark 100mm X 50mm X 1.25mm	Each	200	43	8,600.00
29	(ii) Anodised aluminium floor door stopper	Each	35	25	875.00
30	Anodised aluminium barrel / tower /socket bolt (full covered) of approved manufactured from extracted section conforming to I.S. 204/74 fitted with cadmium plated screws. 300 mm long X 10mm dia bolt. (P-144,SI No-26)	Each	35	99	3,465.00

31	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:(a) With continuous plate base (Hexagonal / Round rod) (v) 125 mm grip x 12 mm dia rod. (P-145,SI No-30)	Each	35	103	3,605.00
32	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6) 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1956 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 1957, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc. Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, (continued) bolts and nuts may be made by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. /m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and (P-99,SI No-1)	M.T.	3.41	78698	2,68,360.18
33	Supplying , fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapezoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap. (Payment to be made on area of finished work).(i) In Roof:- a) With 0.5 mm thick sheet(P-82,SI No-14)	Sq.m	443.2	896	3,97,107.20
	Total				47,75,685.77
34	Add Plumbing work		8%		3,58,176.43
	Total				51,33,862.21
	Add CGST+SGST		12%		6,16,063.46
	Total Estimate Cost				57,49,925.67
Rupees Fifty-Seven lakh Fourty-Nine Thousand Nine Hundred Twenty Five only.					

Estimated By


Ajay Mahapatra
 Diploma in Civil Engineering
 Plan Maker & Estimator
 REG. No.-D131478722

Electrical Equipment List

SI No.	Name	Quantity	Unit	Dimension,Size or Rating
1	14 Amp Single Core Copper Wire-90mtr (Internal Electrification & Power Supply to All Electrical Operated Equipments Like Fans, Lights & Appliances)	19	Coil	1.5 mm
2	14 Amp Single Core Copper Wire-90 mtr (Internal Electrification & Power Supply to All Electrical Operated Equipments Like Fans, Lights & Appliances)	4	Coil	0.75 mm
3	14 Amp Single Core Copper Wire-90 mtr (Internal Electrification & Power Supply to All Electrical Operated Equipments Like Fans, Lights & Appliances)	3	Coil	2.5 mm
4	14 Amp Single Core Copper Wire (Internal Electrification & Power Supply to All Electrical Operated Equipments Like Fans, Lights & Appliances)	18	Coil	1 mm
5	Sunmica Board	17	Pcs	12*5
6	Sunmica Board	8	Pcs	9*5
7	Sunmica Board	30	Pcs	5*5
8	Modular Square Switch Box	17	Pcs	10*4
9	Modular Square Switch Box	8	Pcs	8*4
10	Modular Square Switch Box	30	Pcs	4*4
11	Fibre Switch Board	35	Pcs	6*4
12	Fibre Switch Board	8	Pcs	4*4
13	PVC Circular Junction Boxes	20	Pcs	4way, 3way
14	Switch	170	Pcs	6A
15	Three Pin Socket	20	Pcs	6A
16	2A Switch	2	Pcs	6A
17	Holder	35	Pcs	
18	Ceiling Rose Lamp Holder	40	Pcs	6A - 240V
19	Pvc Electrical Conduit Pipe (LMS)	1500	Feet	25 mm
20	Pvc White Electric wire Pipe (For 1st Floor wiring)	700	Feet	
21	Single Pole MCB	6	Pcs	63A
22	MCB box	1	nos	6 pcs MCB Capacity
23	Main Switch 2pole	1	nos	63A
24	GI Wire for Earthing	60	Feet	2.5mm To 4mm
25	Insulation Tape	10	Pcs	1.80m*9m*0.125mm
26	Solid Copper Earth Rods	2	Pcs	7 ft.
27	Copper Plates For Earthing (copper Bonded Grounding Rod)	2	Pcs	
28	Three Pin Socket	3	Pcs	16A
29	Switch	3	Pcs	16A
30	Ceiling Fan	19	Pcs	
31	Tubelight	35	Pcs	36W
32	Cfl Light	35	Pcs	40W
33	Wall Fan For 1st Floor	35	Pcs	
34	L Joint Pipe	50	Pcs	
35	Tee Joint Pipe	50	Pcs	

