

SCHEDULE OF ITEM FOR COMPOSITE HOUSING SCHEME (PHASE-II) AT AGHANPUR, JAGDALPUR (C.G.)					
S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
1	Excavation in any soil other than hard rock, any length, width and depth i/c removing the excavated material upto a distance of 50m. beyond the plot area i/c stacking or spreading as directed, i/c dewatering (if necessary) and preparing the surface good for foundation . and necessary back billing ramming wtering i/c shoring and shuttering as necessary etc. complete.	cu.m.	6989.64	57.00	398409.00
2	Filling foundation with Cement concrete 1:5:8 with 40mm grade hard metal of nominal size for metal other than basalts and B.T.	cu.m.	1874.30	1032.00	1934278.00
3	Iron work for reinforcement mild steel/tor steel tested fixed in position , complete including cutting, bending all handling and binding with binding wires and placing in position etc. complete including cost of binding wire etc. (Any Floor)	Kg.	625960.00	30.00	18778800.00
4	Reinforced cement concrete 1:1.5:3 (with 12.50mm to 20mm graded hard metal of normal size) for slabs, beams, columns, footings, lintels, precast slabs, chhajjas, balconies, loft, staircase etc. and other necessary places any thickness excluding reinforcement but including all type of false work of steel shuttering/ ply shuttering proping with natural good finish including smoothing joints and uneven surface for foundation and any floor etc. complete with mechanically vibrated concrete.	cu.m	6008.22	2730.00	16402441.00
5	Filling foundation (jirri filling) around masonry /under floor filling compacted in layers thickness not more than 15 cm. with earth or murrum from spoils including watering ramming etc. complete.	cu.m.	6989.64	16.00	111834.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
6	Filling foundation or under floors with hard murrum rammed and wattered including cost of murum etc complete layer of 15cm thickness.				
		cu.m.	4174.64	210.00	876674.00
7	Preconstruction curative cum preventive antitermite treatment to the building under construction by providing i) surface treatment by spreading emulsion as approved by Engineer-in charge over the plinth area before laying the base concrete under floors @ 5.0 liters/sq.m. ii) Pumping the emulsion in plinth masonry in filling side at floor junction @ 7.5 liters/ sq.m. iii) Pumping the emulsion from outer side of the plinth below ground all round the masonry @ 5.0 liters/ sq.m. as per IS - 8944 Emulsion. (1 Chloropyrifos : 19 Water.) with five years service guarantee (measurements to be taken for plinth area.				
		Sq.m.	4372.00	220.00	961840.00
8	Second class TM open bhatta brick masonry in cement mortar 1:6 in plinth and foundation and superstructure. Any thickness any floor other than half brick wall etc. complete.				
		cu.m.	4520.44	2762.00	12485455.00
9	Second class Open bhatta brick masonry in cement mortar 1:4 in superstructure in any floor for 1/2 brick wall .				
		Cum.	995.59	1833.00	1824916.00
10	Providing and fixign chicken mesh 30cm wide double folded fixed firmly to wall with nails on verticals of horizontal junctions of RCC and brick walls, before plastering including scaffolding and all lead and lift etc. complete.				
		Rmt	36053.00	9.00	324477.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
11	Sawn and planed Sal, Biya Bizasal Biza or Kalia wood i/c necessary Hold fast/fastner.	Cum.	51.16	44670.00	2285317.00
12	Providing and fixing factory made flush doors 32 mm thick with solid block board core internally lipped with commercial hard wood timber hot pressed bonded with water proof type phenol formaldehyde with the synthetic resin bonded generally confirming to IS:2202.1991 including superior Indian make iron fittings. Cleats and door stoppers fixed in position (with one side teak face board)				
	32 mm thick	Sqm	1745.65	1578.00	2754636.00
13	Providing and Fixing Aluminium anodised sliding windows and ventilators made out of extruded aluminium section confirming to IS 733, IS 1385 and IS 10868 with outer frame size 101.60 x 44.45 x 1.90 mm weighing 1.54 kg/m and three track frame section and shutter frame of aluminium 'Z' section size 41.50mm x 29.29mm x1.50 mm weighing 0.636 kg/m neullian of Aluminium standard section 63.27mm x40mm x1.50mm weighing 0.933 kg/m duly fixed with outer frame including ball bearing rollers of superior quality bearing rollers of superior quality, guides locks, neuprene weather strips and 4 mm thick blackglass of good quality and make including one panel of steel mosquito net including all fittings of superior quality (decorative type) including applying a coat of lacquer as per direction of engineer in charge duly fixed in walls with rawl plugs and screws or with fixing clips or with bolts and nuts regured.				
		Sq.m.	1842.97	2897.00	5339084.00
14	32mm thick teak wood fully panelled shutters (Complete with superior brass fitting eyes and hooks etc. complete) in position.	Sqmt	602.79	2063.00	1243556.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
15	Providing fabricating and fixing in position M.S. grill for window opening (or any other similar opening) wicker gates , compound gates or over parapets grills on staircase etc. or works of similar nature of any pattern , any design straight curved , solid or hollow section complete. (requiring workmanship superior to that required vide item no. 1 to 9 CSR fitted and fixed on position including all welding rivetting etc. and repairing the same in cement mortar 1:3 etc complete (any section, shape size)				
		Kg.	36000.00	41.25	1485000.00
16	6mm thick cement plaster in prop. 1:4 on exposed surface of R.C.C. any floor any places (entire work shall be done with river sand equivalent in quality to Mahanadi sand.)				
		Sqmt.	15755.00	28.00	441140.00
17	13 mm thick cement plaster in cement mortar 1:5 to brick work or exposed surface of RCC were it is necessary any floor single coat to be done with river sand equivalent in quality to Mahanadi sand i/c providing and making drip course and where it is required as per specification etc. complete.				
		Sq.m.	23200.00	41.40	960480.00
18	20 mm thick cement plaster in cement mortar 1:5 to brick work or exposed surface of RCC were it is necessary any floor single coat to be done with river sand equivalent in quality to Mahanadi sand i/c making drip course and concrete gola as and where it is required as per specification etc. complete.				
		Sq.m.	34500.00	52.00	1794000.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
19	Providing and fixing in position 2 cm thick chequerred tiles with the indeginous Indian marble chips in gray/coulured shde over 2.00 cm thick lime mortar with all wastages due to cutting in proper shapes including finishing and polishing etc complete.				
		Sqmt.	2650.00	253.00	670450.00
20	Supplying and fixing in position marble stone slabs 20mm thick of approved colour black, green, white, pink for dado/ skirting risers and treads of steps and stairs, coping of parapets etc in any floor of any pattern and required size over and including 13mm thick cement plaster 1:3 including cement float and filling joints with pigment of colour to match the stone with all wastages of all material including finishing & mirror polishing and cleaning etc complete (edges and joints of stones are cut neatly so that the thickness of joints to be not more than 1.5mm thick. thickness joints to be not more than 1.5mm thick)				
		Sqmt.	1250.00	855.00	1068750.00
	(b) Moulding / Noising in Marble	Rmt.	4138.00	30.00	124140.00
21	Providing and fixing ceramic floor tiles matt finish 300mmX300mm size thickness more than 6mm or as specified by manufacture of 1st quality confirming to IS:13755 of NITCO, ORIENT make or as specified by Engineer in charge of any colour, texture and shade including 13mm/20mm thick base cement mortar 1:4 (1 cement : 4 course sand equivaqlent in quality to Mahanadi sand) including pointing the joints with white cement and matching pigment etc complete in any floor.				
		Sq.m.	6065.00	725.00	4397125.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
22	Door shutter, with the shutter frame and infill panel made from PVC materials confirming to IS 10151--1982. The shutter frame made out of PVC extruded section having overall dimension of 47 mmX33mm with wall thickness of 12mm (-,+) 0.3 mm with usual process variation. The shuttter frame having tapered shape to provide better grip to the infill panel made out of PVC extruded sections having overall dimensions of 200mm X 20mm with wall thickness of 1mm (-,+) 0.2mm with usual process variation the shutter frames shall be mitre cut & joined at the corner. Polymeric 'L' type corners s' be provided at the corners to take up hardwares & fixtures and shall be fixed with 10-20mm counter sunk fully threaded parallel shank steel screws. All the hardware locations shall be reinforced with special polymeric bars as shown in the drawings stickers showings locations of different hardwares shall be pasted on the shutter. The infill panels shall be joined by tongue & groove method.				
	25 mm thick	Sqm	330.00	1400.00	462000.00
23	Providing and laying for floor vitrified tiles matt finish 600mmX600mm size thickness not less than 10mm or as specified by manufacture of 1st quality such as IS:13755 of RAK/NITCO or as specified by Engineer in charge mable of any colour, any texture and any shade kid on 13mm/20mm thick bed of cement mortar 1:4 in pointing the joints with adversive in floor & skirting in any floor.				
		Sqm	5930.00	1500.00	8895000.00
24	Applying two coats of Birla White wall care putty (water resistant putty) of maximum thickness 1.5mm per coat to be apply directly over the plaster, rubbing with water proof emery paper cutting etc. to get smooth surface the paint directly etc. complete.				
		Sq.m.	44670.00	35.00	1563450.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
25	Distempering with oil bound distemper of approved quality and make 2 coats (new work)				
		Sq.m.	44670.00	20.00	893400.00
26	Snocem or durocem colourcem supreme (as per IS: 5410-1992) painting 2 coats any shade (New works)				
		Sq.m.	20500.00	26.00	533000.00
27	Painting with synthetic enamel / aluminium paint of approved quality and make 3 coats including priming coat.				
		Sq.m.	6040.00	35.00	211400.00
28	Cement concrete 1:2:4 with 12.5 mm graded hard metal of nominal size above precast slabs, paving, cast in situ PCC in superstructure such as bed blocks sills, coping, holdfast concrete, columns, panel walls, pardi walls, steps etc. other similar works including finishing placing in position etc. complete				
		cu.m.	57.86	1814.00	104958.00
29	Providing and fixing glass pans to doors and windows with all material.				
	(a) Figured glass 4mm thick	Sq.m.	645.00	300.00	193500.00
30	25mm thick top layer of cement concrete 1:2:4 with 12.50mm graded hard metal of nominal size including top finishing and expansion joints filling with sealing compound confirming to IS:5256-1992 at not more than 8 meter intervals and close joints at an intervals of 2 to 3 meter in any floor.				
		Sq.m.	1370.00	82.00	112340.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
31	Providing and fixing of angle iron door / window frame with tie rod of 20mm x 3mm flat iron at the bottom of the door chauhats (to be embaded under floor) 6 Nos. of hold fast will be provided as per requirement) and including providing and welding of required number of hinges of proper size for fixing of door/windows as the case may be etc. complete with making chases and holes at proper places in the frame for fixing of iron fittings etc. complete.				
		Kg.	3650.00	36.00	131400.00
32	Providing and fixing steel doors windows and ventilators of standard rolled man, mild including projecting hinges handles peg stays, bolting device logging arrangement spring catch etc. as required complete including applying a priming coat of red oxide paint.				
	a) openable	Sqm	315.00	1200.00	378000.00
	b) Fix	Sqm	171.00	1050.00	179550.00
33	Indian pattent or improved terrace flooring 4cm thick laid in alternate bays with cement concrete 1:2:4 coursed Aggregate 12.5 mm oraded hard metal of nominal size.				
		Sqm.	1930.00	82.00	158260.00
34	Neat cement finish over cement plaster (1/2 cft. Of cement)				
		Sqm.	900.00	10.00	9000.00
35	Farming Groove of uniform size 15mm wide and 15mm deep in plaster surface in the tap layer of 15mm grit plaster as per approved pattern using wooden pattern vegas to edges of plaster panel and finishing the groove complete as per specification and direction engineer in charge.				
		Rmt.	120.00	11.00	1320.00
36	DPC of 1:2:4 cement concrete 40mm thick (with 10mm to 20mm gauge or design metal) covered with bitumen and sand(1Kg. bitumen /sqm.)				
		Sqm.	475.00	99.00	47025.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
37	GI pipe hand rail is welded over MS grill the GI pipe (Class-A) should be measured separately inclusive of welding of grill to pipe wherever required. 40 mm dia				
		Sqm.	600.00	98.20	58920.00
38	Water proofing plaster 13mm thick cement plaster in prop 1:3 with water proofing compound (one packet of 1.50kg per bag of cement and the entire work shall be done with river sand equivalent in quality to Mahanadi sand)				
		Sqm.	8595.00	61.00	524295.00
39	White Washing 3 Coats	Sqm.	40000.00	20.00	800000.00
40	Providing & Fixing Sawn and planed teak wood I/c necessary Hold fast/Fastner.				
	(a) Work framed and fixed in position.	Cum	1.75	48126.00	84221.00
41	Second class T.M. brick combs 15 cms projection including plastering throating weathering and rendering in top in 1:3 cement mortar.	Rmt.	4900.00	113.00	553700.00
42	---do--- 24 cm projection.	Rmt.	190.00	113.00	21470.00
43	Architectural mouldings (any pattern, shape design) at the junction of ceiling and roof beams and walls in cement mortar 1:3 complete finished to true shape and size. (25 mm thick).	Sqm	280.00	275.00	77000.00
44	French polishing on plain or moulded surfaces of required finish and shades complete including bodying (surface previously polished)	Sqm	3247.00	76.00	246772.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
45	Providing and fixing in position MS Rolling shutter self coiling type (push & pull type or manually operated type) constructed with interlocking latch sections formed from cold rolled steel strips of 20 guage thick 75 mm wide with suspension shall within ported springs, locking arrangement from inside and outside complete with guide channel of MS deep channel section and of rolled pressed or built-up (fabricated) joint less construction 20 guage pressed bottom rail made of 12 guage holdfast and side brackets pulling hooks and all other accessories required for complete fitting including making holes and chases in walls etc. for fixing and repairing the same to the original condition in cement mortar (1:3) including necessary top cover of 20 guage and painting the shutter with protective coat of red oxide etc.	Sqm	315.00	1133.00	356895.00
46	Providing and laying 18mm to 20 mm thick granite work (Table rubbed and polished) for floors kitchen platform sink dado, wall cladding or similar works of any color and shade laid on 13mm thick base of cement mortar 1:4 (1: cement:4 course sand equivalent in quality to Narmada sand) and jointed with cement slurry mixed with colour pigment to match shade of granite slab including rubbing polishing etc. complete. (Area of granite slab should be over 0.50.(execpt in side) and to be secured to the backing by means of clamps.	Sqm	75.00	2300.00	172500.00
47	Providing and fixing in position Kota stone 18mm to 20 mm thick dado/skirting risers and treads of steps/staircases/copings of parapets over and including 13 mm thick cement plaster 1:3 including cement float and filling joints with neat cement slurry mixed with pigment of color to match the stone with all wastages including finishing polishing and cleaning etc. Complete (edges and joints of stone are cut neatly, so that the thickness of joints to be not more than 1.5 mm thick i/c Nosing in steps and trades of kota stone slab.	Sqm	450.00	440.00	198000.00
48	Providing and fixing in position Shalitek expansion joint filler IS: 1838-1984 together with shalitek c) 25mm thick	Sqm	300.00	1107.00	332100.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
49	Providing and fixing glazed ceramic tiles in any size for flooring or dado in required position laid on a bed of cement mortar 1:4 thickness of bed not less than 13 mm not more than 20 mm in any one place including neat cement float filling joints with neat white cement slurry curing and cleaning etc. complete (tiles to be of standard first quality of approved make and quality confirming to IS - 777-1988).				
		Sqm	1169.60	500.00	584800.00
				TOTAL	94547078.00

Sub Engineer
C.G. Housing Board
Sub Div. Jagdalpur

Asst. Engineer
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Executive Engineer
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Div. Jagdalpur

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Part B - Water Supply & Sanitary Fittings

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
1	Providing and fixing in position G.I. pipeline best Indian make complete with fitting except controls such as cocks and valves fitted and fixed to the walls with G.I. approved clamps or buried underground including making necessary chases and holes in walls and floors or trenching etc complete with making good or refilling including painting of pipes. (Class A Pipe)				
	1) 15mm dia	Rmt.	6483.00	95.25	617506.00
	2) 20 mm dia	Rmt.	3721.00	120.00	446520.00
	3) 25mm dia	Rmt.	96.00	144.75	13896.00
	4) 40mm dia	Rmt.	280.00	190.00	53200.00
2	Providing and fixing in position G.M. heavy ferrule including making holes of C.I. pipes line and making gasket joints etc complete inclusive of clamps				
	10 mm dia (for 15mm pipes)	Each	225.00	195.00	43875.00
3	Providing and fixing in position best Indian make gun metals high pressure full way of gate valves (peels pattern) with iron wheel head complete neta make				
	15mm dia valve	Each	285.00	106.50	30353.00
	20 mm dia valve	Each	177.00	152.25	26948.00
	25 mm dia valve	Each	48.00	201.00	9648.00
4	Providing and fixing in position chromium plated shower bath 100x15 mm casted or sheet pressed with rim type complete including gasket joint				
		Each	313.00	300.00	93900.00
5	Providing and fixing in position best Indian make chromium plated screw down brass concealed cock heavy type (weight not be less than 450 grams) etc complete				

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
6	Providing and fixing in position best Indian make chromium plated screw down bib cock heavy type with gasket joints complete. With captain head with porcelain disc marked hot or cold.				
	15 mm dia with long neck	Each	976.00	213.00	207888.00
7	Providing and fixing in position best Indian make chromium plated screw down stop cock heavy type etc complete				
	15 mm dia	Each	344.00	130.50	44892.00
8	Providing and fixing in position best Indian make screw down chromium plated mixture with gasket joints complete				
	Make ACC, Seiko	Each	148.00	3000.00	444000.00
9	Providing, hoisting and fixing in position water storage tanks made out of F.D.A. approved imported high density polyethylene (HDPE) LLDPE material suitable for rotational molding vertical type and capable of holding required capacity of water wall thickness 6.9 mm to 8mm of within the permissible tolerance limit for H.D.P.E./ L.L.D.P.E. material with heavy duty nipple socket drain plug etc to facilitate inter connection and providing overflow brass cock of approved make .				
		Ltr.	84000.00	6.00	504000.00
10	Providing and fixing in position best indian make 1mm thick sail/Salem steel kitchen sink including 40mm dia CP water coupling non C logging type with 40mm dia G.I. Class-A waste up to nahani trap.				
	Size 610 x 460 mm	Each	197.00	2134.00	420398.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
11	Providing and fixing in position best Indian make any colour 10 liters low level P.V.C. flushing cistern with pair of C.I. or C.P. brass brackets complete P.V.C./ C.P. brass fittings such as flush pipe P.V.C. connections up to WC valves less syphon fittings, ballcock (polythene float cock)0, CP brass handles, unions and coupling with inlet and overflow pipe 32 mm dia of required length cutting holes in walls and making good the same and connecting the flush bend with the cistern and closet.				
		Each	273.00	1102.50	300983.00
12	Providing and fixing in position best quality black plastic seat cover (solid) with C.P. brass hinges and rubber buffers including removing existing seat (broken) if necessary. Make parryware.				
		Each	124.00	420.00	52080.00
13	Providing and fixing in position 15 mm dia inlet heavy PVC connection including making connections to cistern complete				
		Each	189.00	45.00	8505.00
14	Providing and fixing in position best indian make Indian pattern wc pan (orrisa pattern) with 'P' or 'S' trap in white glazed vitrified earthenware removing the existing w.c. pan if necessary and making connections with other accessories such as flush pipe, outlet pipe and antisiphonic pipe etc. filling in lime concrete or 1:5:8 cement concrete in W.C. room making chases and holes in walls and floors repairing the same in CM 1:3 plastering etc to the original condition and painting of fittings etc complete (make parryware)				
	580 x 440 mm WC pan	Each	169.00	2179.00	368251.00

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
15	Providing and fixing in position wash hand basin comprising of vitreous china best Indian make of specified size with central slot for single valve only and enamel of aluminium painted cast iron brackets 15 mm C.P. brass (heavy type long necked elbow action weight approx. 400 grams) pillar valve 32 G.I. waste coupling with C.P. chain and hard rubber plug 15mm lead inlet connection not less than 375 mm in length with 15 mm dia C.P. brass heavy stop cock 32mm G.I. waste pipe with G.L. trap and brass cleaning thimble up to and				
	outside of wall till gully trap or drainpipe with C.I. clips including 40 mm G.I. pipe sleeve previously embedded in correct position complete with all joints and making chases and holes in floor and walls repairing the same with cement mortar (1:3) plastering and colouring to the original condition and painting of fittings etc. complete. Make parryware or equivalent quality.				
	flat back coloured size 550x400mm	Each	156.00	1722.00	268632.00
16	Providing and fixing in position best Indian make European type wash down water closet coloured glazed vitreous china with 'P' or 'S' trap as integral part removing the existing pan (broken) if necessary and making connections of W.C. pan with other accessories such as flush pipe, outlet antisiphonic pipes etc filling cement concrete 1:5:8 in W.C. room complete including making chases with C.M. 1:3, plastering etc to the original condition and painting of fittings etc complete. Make parryware or equivalent in quality.				
		Each	124.00	2625.00	325500.00
17	Providing and fixing in position salt glazed S.W. full round pipeline with gasket and cement caulked joints (1:3) laid under ground over cement concrete 1:5:8 150mm thick and in proper gradient complete including				

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
	100 mm diameter (C.C. base 30 cm wide)	Rmt.	3251.00	129.75	421817.00
18	Providing and fixing in position S.W. gully trap with rebated tops (strong make) square bodies 150x150mm C.I. grating and 100 mm outlet with 300mm x 300mm C.I. cover including forming one or oblique side inlet in hopper setting in cement concrete 1:2:4 (40mm metal) complete.				
		Each	384.00	260.25	99936.00
19	Constructing manholes and grease and grit chambers 60x45 mm clear inside in 200 mm second class TM brick masonry in cement mortar 1:3 over 150 m cement concrete 1:5:8 base cement plastered 1:3 inside complete with smooth finish including 900x450 mm with RCC manholes cover and frame weighting not less than as specified for light type cover.				
		Each	542.00	1306.50	708123.00
20	Providing and fixing PVC pipes for soil waste rain water/ drainage disposal of superior Indian make such as 'Kisan', 'Premium', 'Prince', or 'Kasta', including jointing with rubber ring adhesive lubricant solvent cement with PVC clips as per site requirement with testing etc. complete.				
	75 mm dia	Rmt.	5140.00	232.00	1192480.00
	100 mmdia	Rmt.	1184.00	375.00	444000.00
21	Providing and fixing PVC fitting for pipes for soil waste / rain water drainage disposal of superior Indian make such as 'Kisan', 'Premium', 'Supreme', 'Prince', or 'Kasta', including jointing with rubber ring adhesive lubricant solvent cement etc complete				
	(A) Couplet (socket)				
	75 mm dia	Each	1046.00	107.00	111922.00
	100 mmdia	Each	470.00	149.00	70030.00
	(R) Bend with door of 87.5 degree				

S. No.	Particulars of Item	Unit	Quantity	Rate	Amount
	(C) Tee with door				
	100 mm dia	Each	354.00	305.00	107970.00
	75 mm dia	Each	436.00	170.00	74120.00
	(D) Plain bend				
	75 mm dia	Each	722.00	115.00	83030.00
	100 mmdia	Each	484.00	190.00	91960.00
	(E) Slotted Vent Cowel				
	75 mm dia	Each	268.00	40.00	10720.00
	(F) Nahani trap				
	63 mm outlet with jali	Each	642.00	250.00	160500.00
22	Providing and fixing in position best Indian make screw down brass bib cock light type etc. complete.				
	15 MM DIA	Each	192.00	213.00	40896.00
					8010727.00

Sub Engineer
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Sub Div. Jagdalpur

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Part C- ELECTRIFICATION						
S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
01.	3.3	Wiring with 1.5 Sqmm Copper (stranded) conductor cable. <i>Point wiring with 1.5 Sqmm PVC insulated cable with copper (stanard) conductor in concealed rigid PVC non-metalic conduit of suitable size of aproved make as required as per specification for. (with modular type switch, socket & All required accessories)</i>				
	3.3.1	Light Points				
	(a)	Short Point	Each	2415.00	235.00	567525.00
	(b)	Medium Point	Each	1863.00	334.00	622242.00
	(c)	Long Point	Each	708.00	458.00	324264.00
	(d)	Extra Long Point I	Each	387.00	609.00	235683.00
	3.3.2	Fan/Exhaust Fan Points.				
	(b)	Medium Point	Each	1741.00	656.00	1142096.00
	3.3.3	5 Pin 6 Amps socket outlet on separate board including suppling and fixing of 5 pin 6 Amps socket outlet porcelain base flush type of approved make earthing the third pin with all necessary materials complete. (with modular type switch, socket & All required accessories)				
	(b)	Medium Point	Each	568.00	360.00	204480.00
	(c)	Long Point	Each	472.00	490.00	231280.00
	3.3.4	Call bell /Buzzer Point.				
	(c)	Long Point	Each	277.00	458.00	126866.00
	3.3.5	Twin Control Light Points.				
	(b)	Medium Point	Each	330.00	370.00	122100.00
(c)	Long Point	Each	330.00	516.00	170280.00	
3.3.6	Point wiring for 5 pin 6 Amps socket outlet point with 1.5 Sqmm PVC insulated cable with copper (standed) conductor on cencealed rigid PVC non-metallic conduit of suitable size including supplying and fixing of 5 pin 6 Amps socket outlet porcelaing base flush type of approved make earthing third pin with all necessary materials including painting etc. as required as per specification on the same board. (with modular type switch, socket & All required accessories)	Each	1803.00	175.00	315525.00	

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
02.	3.4.7	Wiring for curcite wiring with PVC insulated cable with copper (stranded) conductor in concealed rift PVC non-metallic conduit of suitable size of approved make as required as per specifications.				
	(a)	2 x 2.5 Sqmm.	Mtr	4510.00	56.00	252560.00
	(b)	4 x 2.5 Sqmm.	Mtr	3056.00	75.00	229200.00
	(c)	6 x 2.5 Sqmm.	Mtr	2064.00	95.00	196080.00
	(d)	8 x 2.5 Sqmm.	Mtr	1138.00	133.00	151354.00
03.	4.4	Point wiring for 6 pin 16 Amps socket outlet point with 4 Sqmm PVC insulated cable with Copper (standed) conductor , Providing and fixing 16 Amps PB switch and socket in suitable size of rigid steel conduit of approved make providing and laying 6 Sqmm GI earth continuity conductor in Concealed conduit wiring system etc complete with all necessary materials as per specifications. (with modular type switch, socket & All required accessories)				
	4.4.1	ON SEPARATE BOARD				
	(c)	Long Point	Each	258.00	868.00	223944.00
	(d)	Extra Long Point I	Each	354.00	1237.00	437898.00
	(e)	Extra Long Point II	Each	432.00	1620.00	699840.00
04.	5.4	Wiring for Sub Main with PVC insulated cable with solid/Stranded copper conductor of the approved make in recessed (concealed) rigid steel conduit of suitable size i/c connection painting etc as required as per specification.				
	5.4.3	4 WIRE SUB MAINS				
	(e)	16.0 Sqmm Cable in 40 mm Conduit	Mtr	640.00	388.00	248320.00
	(b)	4 sqmm cable in 20 mm conduit	Mtr	960.00	125.00	120000.00
	(c)	6 sqmm cable in 25 mm conduit	Mtr	1360.00	156.00	212160.00
	(d)	10 sqmm cable in 32mm conduit	Mtr	165.00	279.00	46035.00
04.	6.6	Supplying and fixing as per specification rigid PVC non-metallic conduit of approved make in concealed conduit wring system with GI screw check nuts. Staples bends tees function boxes etc. complete as required.				
	6.6.1 (b)	25 mm	Mtr.	2300.00	32.00	73600.00
	(c)	32 mm	Mtr.	2300.00	39.00	89700.00
	(a)	20mm	Mtr.	1280.00	25.00	32000.00

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
04.	9.1	Supplying of moulded case circuit breakers of approved make as per specifications				
	9.1.3	415 volts 50 Hz Triple pole and switched neutral (4 pole) with 25 KA breaking capacity.				
	(a)	25/32/40/50/63/80/100 Amps	Each	2.00	6408.00	12816.00
	(b)	125 Amps	Each	4.00	7800.00	31200.00
05.	9.1.4	415 volts 50 Hz Triple pole and switched neutral (4 pole) with 50 KA breaking capacity.				
	(a)	160 Amps	Each	7.00	11840.00	82880.00
	10.1	Supplying of approved make and accepted standard of miniature circuit breakers suitable for 240/415 volts 50 Hz A.C. supply but without enclosures.				
06.	10.1.1	Single Pole				
	(b)	6 Amps to 32 Amps rating	Each	2168.00	106.00	229808.00
	10.1.5	Triple Pole & Neutral				
07.	(c)	40 Amps rating	Each	121.00	790.00	95590.00
	10.1.2	Single pole & natural	Each	48.00	358.00	17184.00
	10.5	Supplying of approved make metal clad plug and socket board with sheet steel enclosures (dust protected) suitable for incorporating one SP/TP MCB i/c supplying of metal plug top but without MCB.				
08.	(b)	20 Amps 30 Amps SP box	Each	184.00	535.00	98440.00
	10.6	Supplying of approved make MCB distribution board with sheet steel enclosure double door type (dust protected) with bus bar neutral link din bar etc. complete as below :				
09.	(a)	SP&N box 6 way per pole	Each	104.00	1972.00	205088.00
	(f)	TP&N box 8 way per pole	Each	121.00	2101.00	254221.00
10.	11.2	Providing and fixing earthing arrangement with 16 mm dia 2.5 meters long galvanized iron rod electrode, i/c packing of char coal powder and salt providing GI watering pipe 20 mm dia making connections etc complete with refilling the pit asrequired as per specifications i/c the excavation of earth pit of required size and depth in all type of soils/rocks as per specification complete.				
	11.2.1	Without masonry chamber CI frame, CI cover	Each	223.00	780.00	173940.00

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
09.	11.7	Supplying laying and connection of GI earth lead duit installed on wall in flush system including making chases and making good damages done or on wall in surface system by using suitable clamps or laid inside existing GI pipe or along the pipe with suitable clamps or in ground including excavation on all type of soil/rock up to 0.5 meter depth and refilling the same as required the earth lead joints connections shall be done by using GI nut bolts washers lugs or by rivetting as required dissimilar metal joints shall have suitable				
	(a)	12 Sqmm (4mm dia)	Mtr.	3662.00	8.00	29296.00
10.	11.8	Providing, laying and connection of earth continuity conductor including supplying & fixing of copper clamps at an interval of 1000 mm in straight runs and 150 mm from center to both side of junction box bend etc by removing the paint of pipe if required the connection shall be done by using nut bolts washers/lugs/ or by rivetting as required.				
	11.8.6	Bare copper earth continuity conductor without copper clamps.				
	(i)	16 S.W.G. (2.03 Sqmm.)	Mtr.	12682.00	5.00	63410.00
11.	12.1	Supplying, drawing, connecting testing and commissioning of telephone cable PVC insulated and sheathed colour coded with twisted pairs and rip cord in existing pipe with all necessary materials etc complete as required as per I.T.D. specifications.				
	12.1.1	0.50 mm dia				
	(b)	Two Pair Cable	Mtr	4760.00	5.00	23800.00
	(c)	Five Pair Cable	Mtr	1370.00	12.00	16440.00
12.	12.2	Supplying, drawing, connecting testing and commissioning of armoured telephone cable PVC insulated and sheathed colour coded with twisted pairs and rip cord complete as per I.T.D. specifications cable of 0.61 mm dia in existing trench/pipe/trays / wall/ beam/ column etc outer sheath of cable laid on wall/tray/beam/column shall be fixed with GI/wooden clamps of approved pattern with GI nut bolt washers screws etc complete as required.				
	12.2.1	(iii) 20 Pair Cable	Mtr	100.00	153.00	15300.00

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
12.	12.5	Supplying and fixing of telephone socket l/c plug top with 18 gauge M.s- box bakelite sheet screws in surface/concealed system and other necessary materials et complete as required.				
	(b)	3 Pair Plate socket.	Each	525.00	90.00	47250.00
14.	14.1	Fixing of moulded case circuit breakers in existing distribution board or in panel board on suitable size of flat/angle iron clamps as required with painting nut, bolt, washers, screws etc. complete required drilling or welding in existing board and paint touching of same colour as per the site requirement connecting testing etc. complete with other required materials as per specification.				
	14.1.1	415/500 volt Triple pole/four pole on 35x35x5 mm angle iron clamps.				
	(i)	25/32/40/50/63/80/100/125 Amps	Each	4.00	2366.00	9464.00
	14.1.2	415/500 volt Triple pole/four pole on 35x35x5 mm angle iron clamps.				
	(ii)	162/200/250 Amps	Each	18.00	2366.00	42588.00
13.		Fixing of Miniature circuit breakers				
	14.2	Fixing on Miniature circuit breakers in existing distribution board as per accepted practice i/c connecting testing etc complete with other required materials as per specifications.				
	14.2.1	Single Pole 0.5 Amps to 40 Amps Rating.	Each	1204.00	2.00	2408.00
	14.2.2	Single pole and neutral or double pole 0.50 Amps to 40 Amps rating.	Each	56.00	2.00	112.00
	14.2.3	Triple pole or triple and neutral or four pole 0.50 Amps to 40 Amps rating.	Each	169.00	2.00	338.00
14.	14.3	Fixing of M.C.B. distribution board enclosure in surface mounting system complete with fixing of channel bus bar neutral link etc. with required drilling hole on wall/beams/column including supplying and fixing of screws/ anchor fastener/ rawal plug etc. as per the site requirement of fixing in flush mounting in flush mounting system including making holes and chases in wall etc. including repairing the same to the original condition in cement mortar 1:3 complete etc. as per the site requirement connecting tesing etc. complete with other required material as per specifications.				
	14.3.1	SP & N distribution board (item 11.3.1 a/b/c/d and item 11.6.1 a/b (c) on 25 x 25x5 mm flat iron clams.				

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
	(i) 14.3.2	Upto 8 MCB per pole TPN distribution board (item 11.4.1 a/b/c/d and item 11.6.1 d/e/f/g on 35 x 35x5 mm angle iron clams.	Each	296.00	52.00	15392.00
	(i)	Upto 8 MCB per pole	Each	113.00	104.00	11752.00
15.	15.1	Supplying, installing connecting testing commissioning of dust vermin, weather proof cubical distribution panel board made of mild sheet steel duly fabricated, as required floor/wall mounted, position as required with separate chambers for bus bars, energy meters. incoming and outgoing swiches, cable alleys making good damages done making internal connections of incoming and outgoing cables bus bars incoming and outgoing switch M.C.B. energy meter etc. complete with appropriate size of P.V.C. insulated cables/wires including providing required size of lugs and glands etc. complete as per specification as follows:but without incoming SFU/MCCB/MCB:				
	15.1.1	I) Supplying and fixing of 63 Amps 4 strip alluminium bus bars with insulation sleeve fixed on suitable insulators. ii) Providing 4 nos. energy meter chamber of size 30 x 30 x 30 cm. Including supplying/fixing of one number rewirable cutout 30 amps 250 volts in each chamber. iii) Supplying and fixing of 4 Nos. outgoing 10 to 20 Amps 250 volts SP&N MCBs as requird.	Job	8.00	5551.00	44408.00
	15.2.2	I) Supplying and fixing of 4 strip alluminium bus bars set of 100 Amps capacity with insulation sleeve fixed on suitable insulators. ii) Providing 6 nos. energy meter chamber of size 45 x 45 x 30 cm. Including supplying /fixing of one number rewirable cutout 30/32 amps 415 volts in each chamber. iii) Supplying and fixing of 4 Nos. outgoing 32 Amps 415 volts SP&N MCBs as requird.	Job	7.00	9218.00	64526.00
15.	16.3	Supplying and fixing as per specification bulk head fittings of approved make suitable for 100 watt lamp with all necessary materials complete.				
	(ii)	Bulk Head fitting Standard make. (Bajaj/Crompton/EFCO/Glolite or equal).	Each	535.00	590.00	315650.00

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
16.	17.1	Supplying of PVC insulated and sheathed heavy duty power cable confirming to IS: 1554 - (part-I) 1988, 650/1100 volt grade with alluminium conductor armoured of approved make as per specification.				
	(B)	4 core x 16 Sqmm.	Mtr	3165.00	115.00	363975.00
	(E)	3-1/2 core x 50 Sqmm.	Mtr	350.00	193.00	67550.00
	(F)	3-1/2 core x 70 Sqmm.	Mtr	400.00	249.00	99600.00
15.	17.2	Supplying of PVC insulated and sheathed heavy duty power cable confirming to IS: 1554 - (part-I) 1988, 650/1100 volt grade Two core with alluminium conductor unarmoured of approved make as per specification.				
	(c)	6 Sqmm.	Mtr	1960.00	33.00	64680.00
17.	17.3	Laying testing and commissioning of power cable armoured/unarmoured in existing cable trays/wall/column/beams/on existing pole with required size and approved type of iron clamps i/c painting drilling hole in wall/beam /column /trays/poles etc with required size of GI nut bolt washers etc making chases and making good damages done providing necessary approved type of sleeve pipe in wall/column/beam wherever required etc complete as per specification.				
	(a)	2 Core x 2.5 Sqmm to 2 Core x 10 Sqmm/4 core x 2.5 Sqmm to 4 Core x 16 Sqmm.	Mtr	2975.00	1.00	2975.00
	(b)	3-1/2 Core x 2.5 Sqmm to 3-1/2 Core x 10 Sqmm/4 core x 2.5 Sqmm to 4 Core x 16 Sqmm.	Mtr	3375.00	2.00	6750.00
18.	17.5	Preparation of cable treach including excavation in all type of soils/rocks, providing and laying of approved type of sands in layer of 6" above the cable and 6" above the cable providing approved type of second class brick protective caover (10 numbers bricks in one meter length width wise) refilling with soil etc. complete as required as per specifications.				
	(b)	Of size 450 x 900 mm or 300 x 1050 mm for Two cable.	Mtr	455.00	118.00	53690.00
	(a)	Of size 300 x 900 mm or 300 x 1050 mm for single cable.	Mtr	192.00	37.00	7104.00

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
19.	17.6	Supplying fabricating and laying of approved type of cover pucca trench of cable (size of cover to be in the piece of maximum 600mm length and of required width) in approved pattern with handles etc. complete with necessary materials as required as per specifications including painting.				
	(a)	6 mm thick chequered plate covers.	Sqm.	360.00	1403.00	505080.00
18.	18.1	Supplying fabricating and fixing of cross-arms clamps brackets etc made of angle/channel/flat iron for over head service lines supplying and fixing of GI nuts bolts washers i/c cutting drilling welding making holes as required in position and making good damages done with other necessary materials painting etc complete as required as per specifications.				
			Kg.	685.00	32.00	21920.00
19.	19.1	Supplying and fixing GI pipe including cutting making thread providing socket bend etc. of approved make in position ever required with required clamps or laid in ground including excavation and refilling as required as per specifications.				
	(A)	A CLASS				
	(a)	15 mm dia	Rmt.	461.00	37.00	17057.00
	20.5.1	For RCC slab /beam U type hook of approved pattern.	Each	96.00	29.00	2784.00
20.	20.6	Supplying and fixing ceiling fan hook box type with 18 gauge MS sheet box duly painted on all sides, 100 mm dia and 76 mm deep with 10mm plain steel bar hook. Providing 120mm dia 3mm thick white colour bakelite sheet cover duly fixed with GI/Steel screws on box and having opening in center for passing of fan down roc.				
			Each	1243.00	39.00	48477.00
21.	20.12	Providing and fixing locking arrangement for main switch and switch boards/main and branch distribution boards with 16 gauge MS sheet duly dainted with red oxide and synthetic enamel paint on all sides of approved make of accepted pattern with hinged and lockable shuttets in position i/c cutting drilling welding providing nut and bolts angle iron frame rubber gasket earthing terminal duly embedded on wall masonry good damages done etc complete as required.				

S. No.	CSR ITEM NO.	ITEM	UNIT	QTY.	RATE	AMOUNT
22.	20.13	Supplying and fixing of wooden board with double planks duly painted as per specification for instalation of energy terminal porcelain cutout with base making connection with appropriate size of wire testing providing 4 Nos. 76mm long 8mm dia half threaded bolt with washers nuts making good damage done with all other necessary material complete.	Sqm.	425.00	572.00	243100.00
	(b)	for three phase energy meter of size. 60 x 45 cm with 3 nos. 30 Amps 415 volt cutout.	Each	85.00	351.00	29835.00
23.	20.18	Supplying and drawing coaxial cable of approved make for cable TV. 75 Ohm Impedance with electrolytic grade solid bare copper conductor physical polythylene foam insulation with laminated aluminum tape and aluminum wire brand jelly flooded and PVC conduit/PVC jeketing in black colour in existing rigid steel conduit/non metallic PVC conduit/PVC casing capping/G.I. pipe in surface including connection testing etc. complete as per specification.				
	(a)	RG-59F (Inner Copper Conductor dia 0.80 mm)	Rmt.	4200.00	10.00	42000.00
24.	20.19	Supplying fixing connecting and testing of TV Antena coxial cable socket outlet of approved make including MS Switch box, bakelite sheet, screw sets complete with all neccessary materials.				
	(a)	Ordinary non-plate type	Each	483.00	150.00	72450.00
						10627360.00

Sub Engineer (Elect)
C.G. Housing Board
Division - Durg

Asstt. Engineer (Elect)
C.G. Housing Board
Division - I Raipur

Executive Engineer
C.G. Housing Board
Division Jagdalpur