

PRICE BID NEW PRODUCTION SHOP & BAY EXTENSION						
S No.	Code No.	Description	Unit	Qty	Rate	Amount
1.12	WGPVCP2	Power plug wiring in PVC conduit (2 X 4 sq.mm) Wiring for light/ power plug with 2 X 4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No.4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Metre	800		
1.14	WGPVCSB	Wiring for circuit/sub-main wiring alongwith earth wire with the following size of PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.				
	1.14.1	2 X 1.5 sq.mm + 1 X 1.5 sq.mm earth wire	Metre	200		
	1.14.2	2 X 2.5 sq.mm + 1 X 2.5 sq.mm earth wire	Metre	600		
1.20	STLCON	Supplying and fixing of following size of Steel conduit along with accessories in surface/ recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required				
	1.20.2	25 mm	Metre	500		
1.21	PVCCON	Supplying and fixing of following size of PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required				
	1.21.1	20 mm	Metre	200		
	1.21.2	25 mm	Metre	1500		
1.24	MODSWEB	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding modular plate etc. as required.				
	1.24.1	5/6 amps Switch	Each	25		

S No.	Code No.	Description	Unit	Qty	Rate	Amount
	1.24.3	15/16 amps switch	Each	25		
	1.24.4	3 pin 5/6 amps socket outlet	Each	6		
	1.24.5	6 pin 15/16 amps socket outlet	Each	25		
1.27	MODGIBXCP	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc. as required.				
	1.27.1	1 or 2 module (75 mm X 75 mm)	Each	2		
	1.27.2	4 module (125 mm X 75 mm)	Each	30		
	1.27.4	8 module (125 mm X 125 mm)	Each	2		
1.25	MODFREB	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	Each	4		
1.41	ITCFFSUR	Installation, testing and commissioning of pre-wired fluorescent fitting / compact fluorescent fitting of all types,complete with all accessories and tube etc. directly on ceiling/wall, including connection with 1.5 sq.mm FR PVC insulated,copper conductore,single core cable and earthing etc.as required	Each	55		
1.45	ITCCFFC	Installation, testing and commissioning of ceiling fan,including wiring the down rods of standard length(up to 30 cm.) with with 1.5 sq.mm FR PVC insulated,copper conductore,single core cable,including providing and fixing phenolic laminated sheet cover on the fan box etc.as required.	Each	4		
1.50	CARFAN	Carriage of ceiling fan and regulator/ exhaust fan from store to site as required.	Each	25		
1.51	NUMFANFT	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	Each	30		
1.52	ITCEF450	Installation of Exhaust fan up to 450 mm sweep in the existing opening,inculding making the hole to suit the size of the above fan,making good the damage, connection, testing, commissioning etc. as required.	Each	12		

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1.54	LOUSHEF	Extra for fixing the louvers/shutters complete with frame for a exhaust fan of all sizes.	Each	12		
2.33	TPMCBDB	Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required.(But without MCB/RCCB/Isolator)				
	2.42.3	8way(4+24), Single door	Each	2		
2.35	VTPMCBDB	Supplying, installation, testing and commissioning of surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly phosphatized and powder painted, inclusive of 200 amps tinned copper busbar, common neutral link, earth bar, din bar, for mounting MCBs, detachable gland knock out plate, and with 100 amps, 10KA MCCB as interconnection between incomer MCCB and busbar of following ways .(But without MCBs) as required. (Note: vertical type MCB TPDB is normally used where 3 phase outlets are required)				
	2.35.3	12 way with 100 amps MCCB as incomer	Each	3		
2.55	MCBTPIIS	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.55.2	63 amps	Each	2		
2.52	MCBC	Supplying and fixing 5 amps to 32 amps rating, 240 volts,'C' series, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc.as required.				
	2.52.1	single pole	Each	72		
	2.52.2	single pole and neutral	Each	65		

S No.	Code No.	Description	Unit	Qty	Rate	Amount
2.57	RCCBTPN	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having the sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.57.3	63 Amps	Each	2		
2.62	MCBDPSOC20	Supplying and fixing 20amps, 240 volts, SPN industrial type, socket outlet with 2 pole and earth, metal enclosed plug top along with 20 amps 'C' series, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as	Each	18		
2.71	DANPLMV	Providing and fixing of M.V.Danger notice plate of 200x150mm made of mild steel at least 2mm thick and vitreous enamelled white on both side with inscription in signal red colour on front side as required.	Each	3		
2.22	MCCB	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel,making connections,etc as required				
	2.22.1	100 amps, 10ka	Each	3		
4.1	MVET	Supply and making end termination with brass compression gland and aluminium lugs for following size of XLPE armoured aluminium conductor cable of 1.1 KV grade as required.				
		XLPE insulated Al. Ar.Cable				
	4.1.20	4C x 25 sq.mm.	Each	22		
	4.1.22	3.5C x 50 sq.mm.	Each	12		
	4.1.24	3.5 x 95 sq.mm.	Each	16		
	4.1.26	3.5C x 150 sq.mm.	Each	20		
	4.1.27	3.5C x 185 sq.mm.	Each	14		
	4.1.33	4C x 16 sq.mm.	Each	8		
		L.T.CABLE LAYING				
1.11	MVCBSUR25	Laying and fixing of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of size not exceeding 25 sq. mm on surface as required	Metre	800		

S No.	Code No.	Description	Unit	Qty	Rate	Amount
1.12	MVCBSUR120	Laying and fixing of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of size exceeding 25sqmm but not exceeding 120 sq. mm on surface as required	Metre	450		
1.13	MVCBSUR400	Laying and fixing of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of size exceeding 120sqmm but not exceeding 400 sq. mm on surface as required	Metre	1590		
		WITHOUT SAND AND PROTECTIVE COVERING				
1.26	MVCBGRT400W	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade of size exceeding 120 sq.mm but not exceeding 400 sq. mm direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required but excluding sand cushioning, protective covering.	Metre	370		
		H.T.CABLE LAYING				
2.1	11CBGR120	Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 11 KV grade exceeding 1.1KV but not exceeding 11KV of size not exceeding 120 sq.mm direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required	Metre	180		
5.1	11CXLIJ	Supplying and making INDOOR cable end jointing with cast resin compound, including lugs and other jointing materials, for following size of 3 core, XLPE alluminium conductor cable of 11 KV grade as required:				
	5.1.2	120 sq. mm	Each	5		
3.1	CBTR	Fabricating and Installing following size of perforated M.S. cable trays including horizontal and vertical bends, reducers, tees, cross members and other accessories as required and duly suspended from the ceiling with M/S. suspenders and including painting with powder coating etc.as required.				

PRODUCTION SHOP BOQ

BHEL, RUDRAPUR

S No.	Code No.	Description	Unit	Qty	Rate	Amount
	3.1.8	300 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	175		
	3.1.11	600 mm width X 62.5 mm depth X 2.0 mm thickness	Metre	120		

S No.	Code No.	Description	Unit	Qty	Rate	Amount
3.5	EARGIPL	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) as required. (for body earthing for Transformer, H.T. Breaker, LT panel & DG Set).	Set	2		
3.7	EARCHARPL	Extra for using salt and charcoal for G.I. or copper plate earth electrode as required.	Set	2		
3.18	EARGISTSUR	Providing and fixing 25 mm X 5 mm G.I. strip on surface/ cable tray/recess for connections etc as required	Metre	900		
3.21	EARGI WRLO	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain/ cable as required.	Metre	400		
2.8	CIVIL	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.10.1	All kind of soil.	Cum	59.04		
4.1	CIVIL	Providing and laying in position cement concrete of specified grade including the cost of cetering and shuttering - All work up to plinth level:				
	4.1.9	1:4:8 (1 cement : 3 fine sand : 8 graded stone aggregate 40 mm nominal size)	Cum	8.2		
6.1	CIVIL	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in:				
6.1.2		cement motart 1 : 6 (1 cement : 6 coarse sand)	Cum	20.5		
13.6	CIVIL	20 mm cement plaster of mix :				

S No.	Code No.	Description	Unit	Qty	Rate	Amount
13.6.1		1 : 4 (1 cement : 4 coarse sand)	Sqmt	114.8		
5.16	CIVIL	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3(1 cement:3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surface but excluding the cost of reinforcement with 1:2:4(1 cement: 2 corse sand: 4 graded stone aggregate 12.5 mm nominal size).	Cum	1.64		
5.22	CIVIL	Reinforecement of RCC work including straightening, cutting, bending, placing in position and binding all complete				
	5.22.1	Mild steel and medium tensile steekl bar	Kg	920		
10.2	CIVIL	Structural steel work riveted,bolted or welded in built up sections, steel trusses and framed work,including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	500		
		Total (Scheduled Items)				

S No.	Code No.	Description	Unit	Qty	Rate	Amount
NON-SCHEDULE ITEMS						
1.0	NS1.0	Design, Fabrication, Supply, Erection, Testing and commissioning of Powder coated Main Distribution Panel fabricated out of 14 guage CRCA sheet steel in cubical, compartmentallised free standing floor /wall mounted, dust and vermin proof, with reinforcement of suitable size angle iron, channel, T -iron or flats as required. Cable gland plates shall be provided on top as well as bottom of the panels. Panels shall be treated with all anti-corrosive process before painting as per specification. Panels shall be suitable for 415V, 3-Phase, Four wire, 50 Hz supply complete with earth bus and lifting hooks as required in case of large panels. Approval shall be taken for each panel before fabrication. (All hardwares like nuts and bolts used shall be Galvanized and Zinc passivated) (Note: Contractor can select the next higher fault rating of MCCB if it is not readily available, without any extra cost, as the figure indicated within the bracket are required minimum fault level of that panel)				
1.1	NS 1.1	MDB -1 (Production Shop)				
	a)	INCOMING FEEDER (1No.)				
		MCCB 400A 4P 35 KA With Adj.O/C & S/C Release, Extended Rotary Handle, Spreader, phase indicating lamps, metering circuit etc.				
	b)	OUTGOING FEEDER (1 No.)				
		MCCB 150A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	c)	OUTGOING FEEDER (5 No.)				
		MCCB 100A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	d)	OUTGOING FEEDER (3 No.)				
		MCCB 63A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	e)	Bus Bar 400A, TPN, Aluminium				
	f)	Powder coated box 2.0/1.6mm	Each	1		
1.2	NS 1.2	MDB-2 (Production Shop)				
	a)	INCOMING FEEDER (1No.)				

S No.	Code No.	Description	Unit	Qty	Rate	Amount
		MCCB 400A 4P 35 KA With Adj.O/C & S/C Release,Extended Rotary Handle,Spreader,phase indicating lamps,metering circuit etc.	Each	1		
	b)	OUTGOING FEEDER (1 No.)				
		MCCB 200A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	b)	OUTGOING FEEDER (2 No.)				
		MCCB 125A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	c)	OUTGOING FEEDER (1 No.)				
		MCCB 100A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	d)	OUTGOING FEEDER (2 No.)				
		MCCB 63A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	e)	Bus Bar 400A,TPN ,Alluminium				
	f)	Powder coated box 2.0/1.6mm				
1.3	NS 1.3	MDB -3 (Production Shop)	Each	1		
	a)	INCOMING FEEDER (1No.)				
		MCCB 500A 4P 35 KA With Adj.O/C & S/C Release,Extended Rotary Handle,Spreader,phase indicating lamps,metering circuit etc.				
	b)	OUTGOING FEEDER (1 No.)				
		MCCB 250A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	c)	OUTGOING FEEDER (2 No.)				
		MCCB 150A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	d)	OUTGOING FEEDER (2 No.)				
		MCCB 100A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	d)	OUTGOING FEEDER (1 No.)				
		MCCB 63A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	e)	Bus Bar 500A,TPN ,Alluminium				
	f)	Powder coated box 2.0/1.6mm				

S No.	Code No.	Description	Unit	Qty	Rate	Amount
1.4	NS 1.4	MDB-4 (Production Shop)				
	a)	INCOMING FEEDER (1No.)				
		MCCB 500A 4P 35 KA With Adj.O/C & S/C Release,Extended Rotary Handle,Spreader,phase indicating lamps,metering circuit etc.				
	b)	OUTGOING FEEDER (1 No.)				
		MCCB 250A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	c)	OUTGOING FEEDER (2 No.)				
		MCCB 200A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	d)	OUTGOING FEEDER (1 No.)				
		MCCB 125A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	e)	OUTGOING FEEDER (1 No.)				
		MCCB 63A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	g)	Bus Bar 500A,TPN ,Alluminium				
	h)	Powder coated box 2.0/1.6mm	Each	1		
1.5	NS 1.5	MDB-5 (Production Shop)				
	a)	INCOMING FEEDER (1No.)				
		MCCB 400A 4P 35 KA With Adj.O/C & S/C Release,Extended Rotary Handle,Spreader,phase indicating lamps,metering circuit etc.				
	b)	OUTGOING FEEDER (1 No.)				
		MCCB 150A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	c)	OUTGOING FEEDER (2 No.)				
		MCCB 63A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	d)	OUTGOING FEEDER (3 No.)				
		MCCB 100A 4P 35 KA With Fixed O/C & S/C Release & Extended Rotary Handle				
	e)	Bus Bar 400A,TPN ,Alluminium				
	f)	Powder coated box 2.0/1.6mm	Each	1		

S No.	Code No.	Description	Unit	Qty	Rate	Amount
4.2	NS4.2	Supplying and testing of following sizes of XLPE/ PVC insulated Aluminum conductor strip/ wire Armoured, overall PVC sheathed 1.1 KV grade cables through existing pipe/ trays/trenches or saddled on wall as called for complete with dressing and saddling including providing of MS Zinc passivated clamps, cable ties etc. as required for fixing.				
		XLPE insulated Al. Ar.Cable				
	4.2.4	3.5C x 185 sq.mm.	Metre	790		
	4.2.5	3.5C x 150 sq.mm.	Metre	800		
	4.2.7	3.5 x 95 sq.mm.	Metre	370		
	4.2.8	3.5C x 50 sq.mm.	Metre	185		
	4.2.10	4C x 25 sq.mm.	Metre	315		
	4.2.12	4C x 16 sq.mm.	Metre	125		
4.3	NS 4.3	Supplying, laying and testing of following sizes of XLPE/ PVC insulated Copper conductor strip/ wire Armoured, overall PVC sheathed 1.1 KV grade cables through existing pipe/ trays/trenches or saddled on wall as called for complete with dressing and saddling including providing of MS Zinc passivated clamps, cable ties etc. as required for fixing.				
		XLPE insulated Cu. Ar. Cables				
	4.3.2	3C x 2.5 sq.mm.	Metre	800		
4.4	NS 4.4	Supply and making end termination with brass compression gland and aluminium lugs for following size of XLPE armoured aluminium conductor cable of 1.1 KV grade as required.				
	4.5	3C x 2.5 sq.mm.	Each	12		
Receiving & Fixing of Light Fixtures & Fan etc						
5.1	NS 5.1	Supply of Exhaust fan of 450 mm sweep,single phase,1400 rpm, complete with louvers/shutters as required	Each	12		
5.2	NS 5.2	Supply of ceiling fan of 1200 mm sweep,single phase,complete in all respects	Each	4		

S No.	Code No.	Description	Unit	Qty	Rate	Amount
5.3	NS 5.3	Supply of M.H. lamps,230 volt,250 watt	Each	35		
5.4	NS 5.4	Supply,Installation,testing and commissioning of industrial light luminaire for 250 watt M.H. lamp,with aluminium reflector ballast and all other accessories on pipe/angle/pole with using fixing clamps,nut,bolts and other hardwares as required. as required.	Each	35		
5.5	NS 5.5	Supplying of prewired batten type luminaire of 1 X 36 watts tube light with reflector,suitable for ceiling/wall mounting as required	Each	55		
5.6	NS 5.6	Supplying of fluorescent tube light of 36 watts	Each	55		
5.7	NS 5.7	Supply of hexagonal metalic fan boxes	Each	4		
		H.T.CABLE				
5.8	NS 5.8	Supplying and testing of following sizes of XLPE/ PVC insulated Aluminum conductor strip/ wire Armoured, overall PVC sheathed 11KV grade cables through existing pipe/ trays/trenches or saddled on wall as called for complete with dressing and saddling including providing of MS Zinc passivated clamps, cable ties etc. as required for fixing.	Metre	180		
		Total(Non- Scheduled Items)				
GRAND TOTAL(Scheduled & Non-Scheduled Items)						
GRAND TOTAL (IN WORDS)						
SIGNATURE & STAMP OF TENDERER						