

BHEL: PS WR
TS NO :BHE/PW/PUR/BELAT-ENB/652
PRICE BID-PART- II (VOL- II)

BOQ (RATE SCHEDULE FOR BELA 1X270 MW - ENABLING WORKS						
RATE SCHEDULE, SECTION - A						
<u>CONSTRUCTION OF CLOSED SHED (60MX15M) - 1 No. AND SEMI CLOSED SHED (60MX15M) -2No. AT BELA (1X270MW)</u>						
SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
1(A)	EARTH WORK EXCAVATION FROM 0 (ZERO) TO 2 M DEPTH IN ALL KINDS OF SOIL (EXCEPT HARD ROCK AND SOFT ROCK) FOR FOUNDATION COLUMNS, SEPTIC TANK, SOAK PIT, RAMPS ETC., SPREADING THE EARTH UNIFORMLY AROUND THE STORE COMPLEX AREA AS WELL AS OPEN STORAGE YARD FOR SITE DEVELOPMENT WITHIN THE PROJECT BOUNDARY AS DIRECTED BY BHEL ENGINEER AND INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	1595	M3			
1(B)	EARTH WORK EXCAVATION FROM 0 (ZERO) TO 2 M DEPTH IN ALL KINDS OF SOIL INCLUDING HARD ROCK AND SOFT ROCK (MANUALLY OR MECHANICALLY WITHOUT BLASTING) FOR FOUNDATION COLUMNS, SEPTIC TANK, SOAK PIT, RAMPS ETC., SPREADING THE EARTH UNIFORMLY AROUND THE STORE COMPLEX AREA AS WELL AS OPEN STORAGE YARD FOR SITE DEVELOPMENT WITHIN THE PROJECT BOUNDARY AS DIRECTED BY BHEL ENGINEER AND INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	200	M3			
1(C)	EXCAVATION IN ALL KINDS OF SOIL INCLUDING. SOFT & HARD ROCK (MANUALLY OR MECHANICALLY WITHOUT BLASTING) FROM 2 TO 4M DEPTH FOR SEPTIC TANK,SOAK PIT AND WHEREVER REQUIRED COMPLETE INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	75	M3			

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2	BACK FILLING THE FOUNDATION AND PLINTH IN LAYERS NOT EXCEEDING 15 CM THICKNESS INCLUDING WATERING AND CONSOLIDATING ETC. COMPLETE AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.					
2(A)	WITH GOOD EARTH BROUGHT FROM OUTSIDE FROM CONTRACTOR'S OWN SOURCE INCLUDING ROYALTY	300	M3			
2(B)	WITH EXCAVATED SOIL AVAILABLE FROM WORK	74	M3			
2(C)	PROVIDING & FILLING IN SOAK PIT WITH BRICK BATS 40-80MM INCLUDING PACKING ETC. COMPLETE,AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	17	M3			
2(D)	PROVIDING & FILLING 300MM COMPACTED THICKNESS GRANULAR MURUM IN ALL COLUMN BELOW SOLING, WATERING AND COMPACTION COMPLETE.	192	M3			
3	PROVIDING STONE SOLING OF MIN. 250MM THICK BELOW FLOOR & MIN. 300MM THICK BELOW FOOTING OF COLUMN OF STORE SHED INCLUDING MURRUM PACKING, WATERING & COMPACTION COMPLETE.	860	M3			
4	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 20MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR FOUNDATION, FLOORING, SEPTIC TANK ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION AND TRAWEL FINISH ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER.	357	M3			
5	PROVIDING AND LAYING RCC OF MIX 1:2:4 USING 20MM DOWN SIZE HARD BROKEN GRANITE STONE AGGREGATE INCLUDING MECHANICAL MIXING, VIBRATION, CURING, FORM WORK AND CENTERING AS PER DRAWING AND SPECIFICATION AND AS DIRECTED BY BHEL ENGINEER .	205	M3			

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6	PROVIDING DPC WITH CC 1:2:4 50MM THICK INCLUDING BITUMEN COATING AS PER STANDARD PRACTICE AND SPECIFICATIONS.	180	M2			
7	PROVIDING AND FIXING REINFORCEMENT INCLUDING CUTTING, BENDING AND FABRICATION OF REINFORCEMENT USING HIGH TENSILE TOR STEEL AS PER DRAWING AND SPECIFICATION AND AS DIRECTED BY BHEL ENGINEER INCLUDING COST OF ALL LEADS, LIFT AND MATERIALS, LABOUR AND MS BINDING WIRE 18/20 GAUGE ETC. COMPLETE.	21	MT			
8	PROVIDING BRICK WORK IN CM 1:6 (1 CEMENT & 6 COARSE SAND) USING LOCALLY AVAILABLE BRICKS AS PER DRAWING FOR FOUNDATION, WALL, SEPTIC TANK ETC. INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING ETC. COMPLETE AND AS DIRECTED BY ENGINEER AT ALL ELEVATIONS AND LEVELS INCLUDING RAKING OUT JOINTS, CURING ETC. COMPLETE EXCLUDING PLASTERING & PAINTING.	325	M3			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
9(A)	DESIGN, MANUFACTURE, SUPPLY AND ERECTION OF TUBULAR TRUSSES , PURLINS AND SIDE RUNNERS TO SUPPORT SIDE SHEETING IN SEMI CLOSED STORAGE SHEDS SPACED GENERALLY @ 1.4 M CENTRE TO CENTRE TO SUPPORT ROOFING WITH AC SHEETS AND WIND TIES TO BE PROVIDED ABOVE SHEETS AND PROVIDING AND FIXING BASE PLATES WITH HOLDING DOWN BOLTS ON RCC COLUMNS , GUSSETS, RIBS, PINS, SPLICES ETC. AS REQUIRED INCLUDING TRANSPORT, LOADING, UNLOADING CHARGES FROM FABRICATION SHOP TO SITE ETC. COMPLETE. DRAWING ATTACHED WITH TENDER IS INDICATIVE ONLY & DESIGN HAS TO BE OBTAINED FOR TRUSS BEFORE FABRICATION, DULY APPROVED BY BHEL. RATE IS INCLUDING ALL STEEL SECTIONS, FIXING IN POSITION, LABOUR CHARGES AND COST OF RED OXIDE PRIMER AT FACTORY AND TWO COATS OF SYNTHETIC ENAMEL PAINTS (OVER PRIMER COAT OF RED OXIDE) OF APPROVED COLOUR AND QUALITY AT SITE.	51	MT			
9(B)	DESIGN, MANUFACTURE, SUPPLY AND ERECTION OF STRUCTURAL COLUMNS PROVIDING AND FIXING BASE PLATES WITH HOLDING DOWN BOLTS ON RCC PEDESTALS, GUSSETS, RIBS, PINS, SPLICES ETC. AS REQUIRED INCLUDING TRANSPORT, LOADING, UNLOADING CHARGES FROM FABRICATION SHOP TO SITE ETC. COMPLETE. DRAWING ATTACHED WITH TENDER IS INDICATIVE ONLY & DESIGN HAS TO BE OBTAINED FOR COLUMNS BEFORE FABRICATION, DULY APPROVED BY BHEL. RATE IS INCLUDING ALL STEEL SECTIONS, FIXING IN POSITION, LABOUR CHARGES AND COST OF RED OXIDE PRIMER AT FABRICATION YARD AND TWO COATS OF SYNTHETIC ENAMEL PAINTS (OVER PRIMER COAT OF RED OXIDE) OF APPROVED COLOUR AND QUALITY AT SITE.	23	MT			
9(C)	...DO.. STRUCTURAL STEEL STAGING FOR ERECTION OF PVC O.H.WATER TANK CAP. 1000 LITRES	0.6	MT			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
10	PROVIDING AND FIXING 6/7MM THICK AC CORRUGATED SHEETS WITH RIDGE CAPS FOR ROOFING INCLUDING GALVANISED IRON J OR L HOOK BOLTS, GI IRON AND BITUMINOUS WASHERS, GI CRAMP BOLTS, NUTS ETC. COMPLETE, ALL AS PER LATEST IS 459, 3307 AND 730.	3962	M2			
11	PROVIDING AND FIXING TRANSLUCENT RMP/FRP SHEETS 1.5MM THICK OF APPROVED MAKE INCLUDING COST OF GI HOOKS/ J OR L BOLTS, NUTS, WASHERS, BITUMEN WASHERS ETC. COMPLETE SO AS TO MATCH WITH AC CORRUGATED SHEETS.	198	M2			
12	SUPPLY, MANUFACTURE AND FIXING IN POSITION OF STEEL VENTILATORS INCLUDING FRAMES & IRON BARRED (GUARD BAR OF SQUARE SECTION @ 100 MM C/C) AND GLAZED WITH 4MM PLAIN GLASS AS PER STANDARD SPECIFICATIONS, RELEVANT IS CODE AND INSTRUCTIONS OF BHEL ENGINEER. THE COST SHALL BE INCLUSIVE OF ALL ACCESSORIES FITTINGS, HOLD FASTS, PAINTING TWO COATS OF SYNTHETIC ENAMEL PAINT OF APPROVED COLOUR AND QUALITY OVER ONE COAT OF RED OXIDE PRIMER ETC. COMPLETE.					
A	STEEL LAUVERED VENTILATORS :-	8	M2			
13	PROVIDING AND FIXING IPS FLOORING 40MM THICK WITH CEMENT CONCRETE 1:2:4 AS PER STANDARD PRACTICE IN PANELS OF SIZE NOT EXCEEDING 2.0x2.0 SQ.M BY PROVIDING, FIXING GLASS STRIPS.	900	M2			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
14	PROVIDING 2MM THICK NEAT CEMENT FINISH OVER CONCRETE BASE FOR FLOORING PAVING ETC.	2855	M2			
15	PROVIDING AND PLASTERING WITH CEMENT MORTAR 1:6 OVER BOTH INTERNAL AND EXTERNAL FACES OF BRICKWORK AND CONCRETE SURFACES, PARTITION WALLS ETC. OF ALL HEIGHTS INCLUDING PREPARING THE SURFACE, RAKING JOINTS, SCAFFOLDING, CURING, COST OF ALL MATERIALS, LABOUR ETC. COMPLETE.					
	(i) EXTERNAL PLASTER 18MM THICK	2170	M2			
	(ii) INTERNAL PLASTER 12MM THICK	710	M2			
16	PROVIDING WHITE OR COLOUR WASH THREE COATS ON NEWLY PLASTERED SURFACE USING BEST SHELL LIME TO GIVE AN EVEN SHADE INCLUDING CLEANING AND BRUSHING OF WALLS AND PREPARING SURFACE IN ACCORDANCE WITH STANDARD SPECIFICATION. RATE TO INCLUDE COST OF ALL MATERIALS INCLUDING COLOURING AGENT, APPROVED ADHESIVE, SCAFFOLDING, BRUSH ETC. COMPLETE.	2750	M2			

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17	SUPPLYING AT SITE OF WORK, TRENCHING, CARRYING TO TRENCHES AND LOWERING INTO TRENCHES AND ON WALLS, FLOORS ETC., LAYING TO PROPER ALIGNMENT, GRADE, LEVEL AND JOINTING WITH ALL NECESSARY SPECIALS, TEES, ELBOWS, UNIONS AND APPURTENANCES AND INCLUDING PRESSURE TESTING OF THE FOLLOWING SIZES OF GI PIPE LINES INCLUDING REFILLING OF TRENCHES WITH EXCAVATED EARTH IN LAYERS, WATERING AND RAMMING AND RESTORATION OF GROUND, ALL COMPLETE AS PER SPECIFICATIONS. RATE TO INCLUDE EARTH WORK EXCAVATION IN ALL SOILS, EXCEPT HARD ROCK REQUIRING BLASTING , SHORING, BALLING OR PUMPING OUT OF WATER WHEREVER REQUIRED, REMOVAL OF SLUSH ETC. REMOVING AND DEPOSITING SURPLUS EARTH AS DIRECTED BY THE BHEL ENGINEER INCLUDING ALL LEADS AND LIFTS AS PER SITE CONDITIONS.					
A	40MM DIA GI PIPE LINE WITH ALL SPECIALS	50	RM			
B	25MM DIA GI PIPE LINE WITH ALL SPECIALS	25	RM			
C	20MM DIA GI PIPE LINE WITH ALL SPECIALS	15	RM			
D	15MM DIA GI PIPE LINE WITH ALL SPECIALS	15	RM			
18	SUPPLYING AT SITE OF WORK, CARRYING AND LOWERING INTO TRENCHES, LAYING TO PROPER ALIGNMENT, LEVEL AND GRADE, JOINTING WITH CM (1:1) AND TESTING OF JOINTS ETC. OF THE FOLLOWING SIZE OF SALT GLAZED STONEWARE PIPE INCLUSIVE OF ALL NECESSARY SPECIALS TARRED HEMP YARN AND ALL JOINTING MATERIALS COMPLETE AS PER STANDARD SPECIFICATIONS INCLUDING ALL LEAD AND LIFT AS PER SITE CONDITIONS. (RATE QUOTED SHALL INCLUDE COST OF ALL MATERIALS, LABOUR CHARGES AND INCIDENTAL CHARGES ETC. COMPLETE).					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
	A) (100MM) DIA STONEWARE PIPELINE INCLUDING ALL SPECIALS COMPLETE.	100	RM			
19	SUPPLY AND FIXING IN POSITION PVC WATER OVERHEAD TANK OF SYNTEX OR ANY APPROVED MAKE OF 1000LITRE CAPACITY WITH PROVISION FOR OVERFLOW ARRANGEMENT VALVES, INLET AND OUTLET ETC. COMPLETE. SUPPORTING STRUCTURE FOR FIXING THE TANK WILL BE AS PER ITEM RATE GIVEN SEPARATELY.	1	NO			
20	CONSTRUCTION OF BRICK CHAMBER OF THE FOLLOWING DIMENSIONS (INNER DIMENSION) WITH CEMENT PLASTER INSIDE WITH NEAT CEMENT FINISH & TOP WITH CI - COVER FOR CONNECTING THE SEWER LINES. RATE SHALL BE INCLUSIVE OF ALL EXCAVATION, FILLING, PCC, B/K WORK , PLASTER, COVERS ETC. COMPLETE.					
A	450X450X450 WITH C.I COVER	4	NO			
B	600X600X600 WITH C.I. COVER	8	NO			
21	PROVIDING & FIXING IN POSITION AC VENT PIPE OF DIA. 100MM (HT. 4M) IN SEPTIC TANK	8	RM			
22	Providing and fixing precast 80 mm thick RCC Cover of size 750mm x 600mm in M-20 for man holes of various sizes with reinforcement of 10 mm dia both way tied with tack welding @ 150 mm c/c with 2 hooks of 12 mm dia bars etc.complete.	4	Nos.			
23	MANUFACTURE, SUPPLY AND FIXING OF MS ROLLING SHUTTERS AS PER I.S. SPECIFICATIONS, COMPLETE, MECHANICALLY OPERATED FROM IN AND OUTSIDE BOTH AS INSTRUCTED BY BHEL ENGINEER INCLUDING TWO COATS OF SYNTHETIC ENAMEL PAINT OF APPROVED COLOUR AND QUALITY OVER ONE COAT OF RED OXIDE PRIMER (COST SHALL BE INCLUSIVE OF ALL THE ABOVE COMPLETE).	18	M2			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
	TOTAL VALUE OF SECTION-A IN Rs.					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
BHEL:PSWR:NAGPUR						
RATE SCHEDULE, SECTION - B						
INTERNAL ELECTRIFICATION OF CLOSED SHED(60M X 15M) 1NO. & SEMI CLOSED STORAGE SHEDS (60M X 15M) 2 NO EACH AT BELA (1X270MW)						
1	Supplying & Installing Power Distribution Board complete with:	1	Set			
	1) Incoming MCB TPH 100 Amps. - 1 No. 2) Outgoing MCB TPH 32 Amps. -3 Nos.. 3) RCCB DP 25/20 Amps. - 3Nos. 4) Outgoing MCB SP 6 Amps - 6Nos.					
	All RCCBs, MCBs shall be MDS/INDO KOPP make					
	Distribution Boards shall be SIEMENS / MDS / INDO KOPP make with internal busbars, internal wiring, 2 nos. earthing terminals, earth connections, including Glands, Lugs					
2	PROVIDING AND INSTALLING WIRING USING 2.5 MM ² COPPER CONDUCTOR THROUGH PVC CONDUIT OF REQUIRED SIZE WITH ACCESSORIES AND FIXTURES .WIRING SHALL BE CONCEALED TYPE FOR SHEDS IN OPEN PVC CONDUIT OF REQUIRED SIZE.	25	PER POINT			
3	PROVIDING AND INSTALLING WIRING FOR USING 4.0MM ² COPPER CONDUCTOR THROUGH PVC CONDUIT OF REQUIRED SIZE WITH ACCESSORIES AND FIXTURES .WIRING SHALL BE CONCEALED TYPE FOR SHEDS IN OPEN PVC CONDUIT OF REQUIRED SIZE.	20	PER POINT			
4	PROVIDING AND INSTALLING WIRING FOR MAINS USING 6.00SQ.MM COPPER CONDUCTOR OF ISI MAKE. USING CONCEALED TYPE WIRING/PVC CONDUIT OF REQUIRED SIZE.	15	PER POINT			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
5	PROVIDING AND INSTALLING WIRING FOR MAINS USING 16.00SQ.MMCOPPER CONDUCTOR OR ISI MAKE USING CONCEALED TYPE WIRING/PVC CONDUIT OF REQUIRED SIZE.	15	PER POINT			
6	POVIDING AND INSTALLATION OF PLUG POINT OF 5A SOCKET (ANCHOR OR EQUV.) OUTLET INCLUDING WIRING TERMINATION. THIS INCLUDES TUBE LIGHT FITTINGS IN CLOSED STORE SHEDS	10	NO			
7	PROVIDING AND FIXING ORDINARY TUBELIGHT WITH FRAME OF STANDARD MANUFACTURER LIKE PHILIPS/BAJAJ OR EQUIVALENT AS APPROVED BY BHEL. THIS INCLUDES TUBE LIGHT FITTINGS IN CLOSED STORE SHEDS.	72	NO.			
8	Providing & Fixing Aluminium Dispersive Luminaire enameled green and white with cast Aluminium flange and nipple suitable for use with GLS lamp, dome 12" diameter, with hanging bracket and 200W GLS lamp of Crompton or equivalent BAJAJ/PHILIPS make, complete.	36	Nos.			
9	Wiring with 2.5 sq mm ISI mark copper wire for above in PVC conduit along with GI earth wire inclusive of all material, labour etc. Complete	36	Per Point			
10	Supplying & Fixing Wall Mounting type LIGHTING PANELS, each with : (1) Incoming MCB TPN -32 Amps - 1No. . contd	3	Sets.			
	cond... (2) RCCB DP 32 Amps - 3Nos SP 6Amps - 30 Nos. ... contd					
	(3) MCB					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
	contd...All MCBs and RCCBs shall be of MDS / INDO KOPP make contd...					
	contd...Lighting Panel shall be SIEMENS/MDS/INDO KOPP make with internal busbars, 2 nos. earthing terminals, earth connections, including Glands, Lugs & wiring from main DB.					
11	Providing Earth Pits with 2" dia., 2.5 Mtr. Long GI Pipes with flange and 8 SWG GI wire with Charcoal, Salt and as per IS 3043. Rate shall be inclusive of all material, labour etc. complete. A brick wall chamber with CI cover for all earth pits shall be provided.	3	NOS.			
	TOTAL VALUE OF SECTION-B IN Rs.					

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BHEL:PSWR:NAGPUR						
RATE SCHEDULE, SECTION - C						
NAME OF WORK-ROADS, FENCING, DRAINAGE OF OPEN STORAGE AREA (75000 SQM.) AT BELA (1X270MW)						
1	EXCAVATION FOR ROADWAY IN ALL TYPES OF SOILS, SAND, GRAVEL OR SOFT MURAM INCLUDING DRESSING SECTION TO THE REQUIRED GRADE, CAMBER AND SIDE SLOPES AND SPREADING THE EXCAVATED EARTH UNIFORMLY IN THE SPECIFIED AREA FOR SITE LEVELING & DEVELOPMENT AS DIRECTED BY THE BHEL& CONSOLIDATION OF THE SURFACE BY ROLLING THE SURFACE WITH 10/12 CAPACITY POWER ROLLER .	8879	M3			
2	EXCAVATION FOR SIDE DRAINS/DRAINS AND CULVERTS IN ALL KINDS OF SOILS, TO THE SPECIFIED SECTION INCLUDING SPREADING THE EXCAVATED EARTH UNIFORMLY IN THE SPECIFIED AREA FOR SITE LEVELING & DEVELOPMENT, DISPOSING THE SURPLUS EARTH (IF ANY) AT THE AREA EARMARKED OUTSIDE THE PLANT WITHIN 1 KM DISTANCE AS DIRECTED BY THE BHEL ENGINEER.					
A	IN ORDINARY SOIL	1500	M3			
B	IN SOFT/HARD ROCK (BY CHIESELING OR BLASTING)	260	M3			
3	BACK FILLING THE SIDES OF DRAINS,CULVERTS AS REQUIRED WITH EXCAVATED SOIL AVAILABLE FROM WORK IN LAYERS NOT EXCEEDING 15 CM THICKNESS INCLUDING WATERING AND CONSOLIDATING ETC. COMPLETE AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	231	M3			
4	PROVIDING & FILLING 300MM COMPACTED THICKNESS GRANULAR MURUM IN SUB-BASE OF ROAD BELOW SOLING, WATERING AND COMPACTION WITH 8-10T POWER ROLLER COMPLETE. RATE SHALL INCLUDE COST OF MATERIALS, TRANSPORTATION, ROYALTY ETC.	4228	M3			

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5	SUB GRADE PREPARATION: CUTTING & DISPOSAL OF GRASS, LEVELLING, WATERING AND ROLLING WITH 10-12 MT CAPACITY ROLLER FOR SUB BASE PREPARATION BY AVERAGE CUTTING & FILLING OF 200MM THICK AVAILABLE EARTH WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.FOR OPEN STORAGE YARD	75000	M2			
6	PROVIDING AND LAYING SOLING 230 MM THK WITH 150 - 200 MM THICK BOULDER SIZE AND FILLING THE VOIDS WITH HAND BROKEN METAL OF SIZE 40-60 MM SPREADING MURRUM AND ROLLING AND COMPACTION INCLUDING WATERING, WITH 10-12 MT CAPACITY ROAD ROLLER.	3240	M3			
7	PROVIDING 150 MM THICK WATER BOUND MACADAM (WBM) IN TWO LAYERS OF EACH 75 MM , WITH 40MM TO 60MM METAL (STONE AGGREGATE) INCLUDING SUPPLYING AND SPREADING GRAVEL/MURRUM OVER THE SOLING/CONSOLIDATED BASE, COMPACTING THE SAME WITH POWER ROLLER INCLUDING NECESSARY LABOUR, WATERING, MATERINGS ETC. COMPLETE, ALL AS PER RELEVANT SPECIFICATIONS AND DIRECTIONS OF BHEL ENGINEER (RATE SHALL BE INCLUSIVE OF ALL LABOUR, MATERIALS ETC., COMPLETE).	2114	M3			

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8	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 40MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR CULVERTS, DRAINS ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER.	231	M3			
9	PROVIDING BRICK WORK IN CM 1:6 (1 CEMENT & 6 COARSE SAND) USING LOCALLY AVAILABLE BRICKS AS PER DRAWING FOR DRAIN SIDE WALL , ETC. INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING ETC. COMPLETE AND AS DIRECTED BY ENGINEER AT ALL ELEVATIONS AND LEVELS INCLUDING RAKING OUT JOINTS, CURING ETC. COMPLETE EXCLUDING PLASTERING & PAINTING.	845	M3			
10	PROVIDING AND PLASTERING WITH CEMENT MORTAR 1:6 (12MM THICK) OVER BOTH INTERNAL AND EXTERNAL FACES OF BRICKWORK AND CONCRETE SURFACES, PARTITION WALLS ETC. OF ALL HEIGHTS INCLUDING PREPARING THE SURFACE, RAKING JOINTS, SCAFFOLDING, CURING, COST OF ALL MATERIALS, LABOUR ETC. COMPLETE.	3118	M2			
11	PROVIDING AND LAYING RCC OF MIX 1:2:4 USING 20MM DOWN SIZE HARD BROKEN GRANITE STONE AGGREGATE INCLUDING MECHANICAL MIXING, VIBRATION, CURING, FORM WORK AND CENTERING AS PER DRAWING AND SPECIFICATION AND AS DIRECTED BY BHEL ENGINEER	25	M3			
12	PROVIDING AND FIXING REINFORCEMENT INCLUDING CUTTING, BENDING AND FABRICATION OF REINFORCEMENT USING HIGH TENSILE TOR STEEL AS PER DRAWING AND SPECIFICATION AND AS DIRECTED BY BHEL ENGINEER INCLUDING COST OF ALL LEADS, LIFT AND MATERIALS, LABOUR AND MS BINDING WIRE 18/20 GAUGE ETC. COMPLETE.	2.50	MT			

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13	40MM THICK COPING OVER THE DRAIN WALL TOP USING mix 1:2:4	30	M3			
14	PROVIDING 2MM THICK NEAT CEMENT FINISH OVER CONCRETE BASE FOR FLOORING PAVING AND INTERNAL SURFACE OF BRICK DRAINS ETC.	3118	M2			
15	PROVIDING AND FIXING BARBED WIRE FENCING AROUND OPEN STORAGE YARD AND AROUND PORTA CABIN OFFICE AS PER DRAWING/AS INSTRUCTED BY BHEL ENGINEER , INCLUDING POSTS OF MS ANGLES 50x50x6MM 2.00 M HIGH ABOVE GROUND AND 450MM EMBEDDED IN THE CONCRETE BELOW G.L AS PER STANDARD PRACTICE/AS INSTRUCTED BY BHEL ENGINEER, FIXING THE POSTS WITH FOUNDATION OF SIZE 0.30x0.30x0.45 M DEEP IN PCC OF MIX 1:3:6,THE POSTS SHALL BE SPACED AT 3M CENTRES AND STRUTS AT 30M CENTRES AND AT ALL TURNINGS WITH FOUNDATIONS,SUPPLYING AND FIXING GI BARBED WIRES, 10 HORIZONTAL LINES, TWO DIAGONALS BETWEEN POSTS BY MEANS OF GI STAPLES AS PER STANDARD PRACTICE. THE BARBED WIRE SHALL CONFORM TO IS 278 AND BE MADE OF TWO STRANDS OF GALVANISED TWISTED 2.5MM DIA (12.5 GAUGE) STEEL WIRE WITH FOUR POINT BARS. RATE QUOTED SHALL BE INCLUSIVE OF EXCAVATION, DISPOSAL OF SURPLUS EARTH, CONCRETE (1:3:6), FORM WORK AND ALL MATERIALS, COST OF POSTS, BARBED WIRES, TRANSPORTING, FIXING IN POSITION ETC.CONTD	1558	RM			
	CONTD..... INCLUDING COST OF ALL LABOUR AND TWO COATS OF ENAMEL PAINT OF APPROVED SHADE WITH A SHOP COAT OF PRIMER IN ALL STRUCTURAL MEMBERS ETC COMPLETE.					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
16	SUPPLYING & FIXING IN POSITION RCC HUME PIPE OF NP2 WHEREVER DRAIN CROSSES THE ROADS INCLUDING ALIGNING,LEVELLING ETC. COMPLETE AS PER THE DIRECTION OF ENGINEER. INCLUDING P.C. & INCLUDING COLLAR JOINTS, ENCASEMENT WITH CONCRETE 1:3:6 OF 300 MM DIA , ENCASING SHALL BE PAID EXTRA UNDER RESPECTIVE ITEMS OF CONCRETE..					
A	400mm dia	49	RM			
B	600mm dia	27	RM			
17	REMOVAL OF WILD GROWTH, BUSHES VEGITATIONS AND DISPOSAL AS PER INSTRUCTION WITHIN THE PLANT BOUNDARY (SIZE OF STEM FROM 150MM TO 600MM DIA.)	100	NOS			
18	SUPPLY FABRICATION, AND FIXING IN POSITION OF MS GATES WITH STRUCTURAL/TUBULAR STEEL FRAMES WITH GALVANIZED CHAIN LINK MESH OF APPROVED DESIGN INCLUDING COST OF FOUNDATION & POSTS, PAINTING TWO COATS BY SYNTHETIC ENAMEL PAINT OF APPROVED COLOUR AND QUALITY OVER ONE COAT OF RED OXIDE PRIMER, COST OF ALL MATERIALS, LABOUR, TRANSPORT ETC. COMPLETE.	5	MT			
19	PROVIDING & FIXING WEEP HOLES WITH 75MM DIA. AC PIPES AT 3MC/C ON BOTH SIDES OF DRAIN WALL WITH FILTER MEDIA USING 40MM SIZE STONE GRIT OF SIZE (300X300X300MM)	523	RM			
	TOTAL OF SECTION-C IN RS					

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
BHEL:PSWR:NAGPUR						
RATE SCHEDULE, SECTION - D						
NAME OF WORK- EXTERNAL ILLUMINATION OF OPEN STORAGE YARD AT BELA (1X270MW)						
1	SUPPLYING, INSTALLATION & COMMISSIONING OF SODIUM VAPOUR LAMP STREET LIGHT FITTING 150 WATT SSG-2315 IH OF CROMPTON OR SIMILAR PHILIPS MAKE, COMPLETE WITH ONE PIECE CANOPY, INTEGRAL CONTROLGEAR COMPRISING OF COPPER WOUND CHOKE , IGNITOR , HPF CAPACITOR, HPSV LAMP AND SUITABLE FOR DIRECTLY SLIPPING OVER LIGHT MOUNTING BRACKET MADE OUT OF 40 MM OD PIPE AND SUITABLE FOR LAMPS, CONTROL GEAR BOX CABLING & TERMINATION OF ITEMS SUPPLIED (TO BE MOUNTED ON 9 MTR POLE - ITEM NO. 2).	40	NOS.			
2	SUPPLY AND ERECTING STEEL TUBULAR SWAGED POLES 9 MTR LONG MADE OF SHEET STEEL HAVING ULTIMATE TENSILE STRENGTH 42 KG F/SQ.MM CONFIRMING TO BIS :2713 (RPART-II) COMPLETE WITH 300X300X6 MM THICK M. S. BASE PLATE FOR WELDING AT SITE AND SIZE AS PER CONFIGURATION GIVEN IN BIS FOR 410 SP-28 (113 KG- POLE WEIGHT) WITH 1.5 MTR. DEEP EXACAATION, CONCRETING IN 1:4:8 RATIO SIZE 45 CMS X 45 CMS X 150 CMS AND POLE PLINTH IN 1:3:6 CEMENT CONCRETING HAVING 300 MM HEIGHT AND 300 MM DIA .INCLUDING DOUBLE EARTHING OF POLE WITH SUITABLE ARRANGEMENT, DULY PAINTED WITH TWO COATS OF RED OXIDE PAINT AND ONE COAT OF ALUMINIUM PAINT TO BE APPLIED AFTER ERECTION; THE LENGTH OF POLE BELOW GROUND TO BE PAINTED WITH TWO COATS OF BLACK BITUMINUS PAINT. THE POLE SHALL BE COMPLETE WITH JB, FUSE AND MINOR FABRICATION AS BELOW :	40	NOS.			

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
	I) DRILING 20 MM DIA HOLE AT ABOUT 2.5 MTR FROM GROUND LEVEL FOR WIRE LEADS FROM JUNCTION BOX TO LIGHT FIXTURE					
	II) DRILING 15 M DIA HOLES AT ABOUT 0.7 AND AT 2.5 MTR FROOM GROUND LEVEL AND WELDING 12 MM NUTS FOR USING A 12 MM G.I BOLT FOR FASTENING EARTH CONDUCTERS					
	III) WELDING REQUIORED HOLES FOR FIXING POLE CAP OF STREET LIGHT BRACKET					
	IV) WELDING DIAMETRALLY 10 MM M.S. ROUND 30 MM BELOW POLE TOP EDGE FOR CLIPPING WIRE LEADS					
3	SUPPLY OF WEATHER PROOF FLOOD LIGHT LUMINIARIES OF CROMPTON MAKE (FBD 1425/40-WITH HIGH PRESSURE SODIUM VAPOUR LAMP 1X 400 WATT ALONG WITH NON- INTEGRAL TYPE CONTROL GEAR BOX HAVING ADEQUATE NUMBER OF TERMINAL CONNECTORS FOR TERMINATING TWO CABLE OF 3X 10 SQMM AL AND SUITABLE FOR OUT DOOR APPLICATION) OR EQUIVALENT IN BAJAJ, PHILLIPS ONLY , INCLUDING SUPPLY & FIXING CABLES BETWEEN THE CONTROL GEAR BOX AND LIGHT LUMINIARIES AND MOUNTING FIXTURE WITH HARDWARE FOR MOUNTING OF LIGHT LUMINIARIES AND CONTROL GEAR BOX ON POLE TYPE 410 SP-28.	10	NOS.			
4	INSTALLATION & COMMISSIONING OF FLOOD LIGHT LUMINIARIES, CONTROL GEAR BOX , CABLING & TERMINATION FOR SR.NO.01 (ITEMS SUPPLIED ABOVE)	10	NOS.			

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
5	ENGINEERING , SUPPLY AND INSTALLATION OF LATTICE TYPE STRUCTURAL TOWER OF HEIGHT 15M .TOWER SHALL BE FABRICATED IN THREE SECTION OF EQUAL LENGHT OF 5 METER EACH.PREPARATION OF FABRICATION DRAWING & ITS APPROVAL FROM BHEL. BRIEF DETAILS ARE AS GIVEN BELOW	4	NOS.			
	TOWER SHALL BE ADEQUATELY STRONG TO WITHSTAND HEAVY WIND . NO STAY/GUY ROPES SHALL BE TIED WITH IT. AT TOP OF THE TOWER ADEQUATE SIZE OF PLATEFORM SHALL BE PROVIDED WITH RAILING AROUND THE PLATFORM FOR MOUNTING OF LIGHTING LUMINIARIES(TENTATIVELY TWEVEL FITTING ON EACH TOWER) AND MAITENANCE PURPOSE , FLOOR OF PLATFORM SHALL BE COVERED WITH CHEQURED PLATE. A LADDER ALONG WITH PROTECTIVE CAGE SHALL BE PROVIDED ALONG THE HEIGHT OF TOWER. IT SHOULD BE PAINTED WITH ONE COAT RED OXIDE PRIMER AND TWO COATS OF ALUMINIUM PAINT AFTER INSTALLATION. EACH TOWER SHALL BE PROVIDED WITH POWER DISTRIBUTION BOX OUT DOOR TYPE AND SHOULD HAVE PROVISION OF TERMINATING ONE NUMBER INCOMING AND EIGHT OUT GOING CABLE .ERECTING AT SITE INCLUDING ALL CIVIL WORKS LIKE EXCAVATION, CASTING OF FOUNDATION OF REQUIRED SIZE AND DEPTH WITH CONCRETE OF GRADE 1:2:4 WITH BASE PLATES, GROUTING OF LATTICE STRUCTURE, ONE EARTH PIT AS PER BIS STANDARD IS TO BE MADE NEAR THE TOWER AND EARTHING OF THE TOWER INCLUDING SUPPLY OF MATERIAL ETC. COMPLETE.					

BHEL: PS WR
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PRICE BID-PART- II (VOL- II)

SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
6	SUPPLY, OF FLOOD LIGHT LUMINIARIES OF BAJAJ MAKE TYPE BGENF 22 OR EQUIVALENT IN CROMPTON , PHILLIPS ONLY, EACH LUMINIARIES SHALL BE WITH TWO NUMBER 400 WATT HPSV LAMPS AND CONTROL GEAR BOX INTEGRAL/ NON ITEGRAL TYPE INCLUDING CABLES FOR INTERCONNECTION . (THESE FITTING SHALL BE MOUNTED ON LIGHTING MAST /TOWER , ON EACH TOWER 8 SUCH FITTING SHALL BE MOUNTED).	30	NOS.			
7	SUPPLY OF CABLES 3 -1/2 CORE X 95 SQMM ALUMINIUM ARMOURED PVC INSULATED CABLE (THREE AND HALF CORE) CONFIRMING TO IS 1554 (PART -I)	800	M			
8	INSTALLATION OF CABLES 3 -1/2 CORE X 95 SQMM ALUMINIUM ARMOURED PVC INSULATED CABLE CONFIRMING TO IS 1554 (PART -I) INCLUDING LAYING OF CABLE BELOW GROUND, EXCAVATION OF TRENCH OF 600 MM DEPTH IN ALL KIND OF SOIL, TERMINATION OF CABLES CORES WITH CRIMP TYPE LUGGS, PROVIDING SAND LAYER BELOW/ ABOVE THE CABLE, BRICK LAYING BOTH SIDE /ABOVE THE ABOVE THE CABLE AND BACK FILLING ETC COMPLETE. CABLES ARE TO BE LAID FROM 415 VOLT AC DISTRIBUTION BOARD TO FEEDER PILLAR BOARD , FEEDER PILLAR BOARD TO LIGHTING MAST / TOWER.	800	M			
9	SUPPLY OF CABLES 2 CORE X 10 SQMM ALUMINIUM ARMOURED PVC INSULATED CABLE CONFIRMING TO IS 1554 (PART -I)	3000	M			

BHEL: PS WR
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PRICE BID-PART- II (VOL- II)

SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
10	INSTALLATION OF CABLES 2 CORE X 10 SQMM ALUMINIUM ARMoured PVC INSULATED CABLE CONFIRMING TO IS 1554 (PART -I) INCLUDING LAYING OF CABLE BELOW GROUND , EXCAVATION OF TRENCH OF 600 MM DEPTH IN ALL KIND OF SOIL, TERMINATION OF CABLES CORES WITH CRIMP TYPE LUGGS, PROVIDING SAND LAYER BELOW/ ABOVE THE CABLE, BRICK LAYING BOTH SIDE /ABOVE THE ABOVE THE CABLE AND BACK FILLING ETC COMPLETE. CABLES ARE TO BE LAID FROM 415 VOLT AC POWER FEEDER PILLAR BOARD BOARD TO LIGHTING POLES & POLE TO POLE	3000	M			
11	SUPPLY OF CABLES 3 -1/2 COREX 185 SQMM ALUMINIUM ARMoured PVC INSULATED CABLE (THREE AND HALF CORE) CONFIRMING TO IS 1554 (PART -I)	350	M			
12	INSTALLATION OF CABLES 3 -1/2 COREX 185 SQMM ALUMINIUM ARMoured PVC INSULATED CABLE CONFIRMING TO IS 1554 (PART -I) INCLUDING LAYING OF CABLE BELOW GROUND , EXCAVATION OF TRENCH OF 600 MM DEPTH IN ALL KIND OF SOIL, TERMINATION OF CABLES CORES WITH CRIMP TYPE LUGGS, PROVIDING SAND LAYER BELOW/ ABOVE THE CABLE, BRICK LAYING BOTH SIDE /ABOVE THE ABOVE THE CABLE AND BACK FILLING ETC. CABLES ARE TO BE LAID FROM TRANSFORMER SUB STATION TO 415 VOLT AC DISTRIBUTION BOARD	350	M			
13	SUPPLY OF CABLES 3 -1/2 COREX 35 SQMM ALUMINIUM ARMoured PVC INSULATED CABLE (THREE AND HALF CORE) CONFIRMING TO IS 1554 (PART -I)	300	M			

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
14	INSTALLATION OF CABLES 3 -1/2 COREX 35 SQMM ALUMINIUM ARMoured PVC INSULATED CABLE CONFIRMING TO IS 1554 (PART -I) INCLUDING LAYING OF CABLE BELOW GROUND , EXCAVATION OF TRENCH OF 600 MM DEPTH IN ALL KIND OF SOIL, TERMINATION OF CABLES CORES WITH CRIMP TYPE LUGGS, PROVIDING SAND LAYER BELOW/ ABOVE THE CABLE, BRICK LAYING BOTH SIDE /ABOVE THE ABOVE THE CABLE AND BACK FILLING ETC. CABLES ARE TO BE LAID FROM TRANSFORMER SUB STATION TO 415 VOLT AC DISTRIBUTION BOARD	300	M			
15	SUPPLY & INSTALLING 3 PHASE METERING AND POWER DISTRIBUTION BOARD COMPLETE WITH :	1	NO			
	(1) INCOMING SFU TPN 400 AMPS- 1NO, (2) OUTGOING SFU TPN 200 AMPS -2NOS. (3) OUTGOING SFU TPN 100 AMPS -2NOS. (4) OUTGOING SFU TPN 32 AMPS -2NOS.					
	3 PHASE ELECTRONIC ENERGY METER - BHEL / L&T / GEC MAKE					
	AMMETER, VOLTMETER AND SELECTOR SWITCHES FOR BOTH - AE AND KAYCEE MAKE					
	PHASE INDICATION LAMPS, HRC FUSES FOR IC AND OG FEEDERS, CABLE GLANDS, POWER TERMINALS FOR CABLES TERMINATION, CABLE LUGS AND PROVISION FOR DOUBLY EARTHING THE PANEL ENCLOSURE.					

BHEL: PS WR
TS NO :BHE/PW/PUR/BELAT-ENB/652
PRICE BID-PART- II (VOL- II)

SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
	PANEL ENCLOSURE SHALL BE MADE OF SHEET METAL THICHNNNESS NOT LESS THAN 1.6 MM AND SUITABLE FOR OUT DOOR INSTALLATION, MODULAR CONSTRUCTION, HINGED DOOR WITH LOCKING ARRANGEMENT, BASE FRAME, SHOULD HAVE SLOPPED CANOPY, DULY PAINTED WITH FIRST COAT OF PRIMER AND TWO COATS OF SYNTHETIC ENAMEL PAINT (INTERIOR WITH WHITE PAINT AND EXTERIOR WITH LIGHT GREY AS PER SHADE 5, IS 630) INTERNAL POWER DISTRIBUTION TO DEVICES SHALL BE WITH AL BUSBARS OR COPPER FLEXIBLE SINGLE CORE PVC CABLES OF 1.1 KV GRADE, CONTROL WIRING WITH 1.5 SQMM, SUITABLE STOOL MADE OUT OF MS STRUCTURE OF 1.2 METER HIGH FOR MOUNTING OF PANEL WITH ANCHORING ARRAGEMENT					
	AT FOUNDATION, SUITABLE FOR BOTTOM ENTRY OF CABLES.					
16	PROVIDING SUITABLE FOUNDATION FOR MOUNTING AC DISTRIBUTION BOARD AS SPECIFIED IN SL. NO.15 , INSTALLATION & COMMISSIONING OF PANEL	1	NO			

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
17	SUPPLY OF 415 VOLT AC , 3 PHASE /FOUR WIRE POWER FEEDER PILLAR BOARD , BOARD SHALL BE COMPRISES OF THREE NUMBER AND ONE NUMBER ALUMINIUM BUS BAR FOR PHASE & NEUTRAL RESPECTIVELY. BUS BAR RATING SHALL BE 200 AMPS AND SHALL BE MOUNTED ON EPOXY INSULATOR OF 1.1 KV GRADE, EACH BUS BAR SHALL HAVE DRILLED HOLE FOR CONNECTING INCOMING / OUT GOING CABLES, PROVISION FOR EARTHING THE PANEL ENCLOSURE. PANEL ENCLOSURE SHALL BE MADE OF SHEET METAL THICHNNESS NOT LESS THAN 1.6 MM AND SUITABLE FOR OUT DOOR INSTALLATION, HINGED DOOR WITH LOCKING ARRAGEMENT , BASE FRAME , SHOULD HAVE SLOPPED CANOPY, DULY PAINTED WITH FIRST COAT WITH PRIMER AND TWO COATS OF SYNTHETIC ENAMEL PAINT (INTERIOR WITH WHITE PAINT AND EXTERIOR WITH SMOKE GREY AS PER IS), SUITABLE STOOL MADE OUT OF MS STRUCTURE OF 1.2 METER HIGH FOR MOUNTING OF PANEL WITH ANCHORING ARRAGEMENT AT FOUNDATION .	2	NO			
18	PROVIDING SUITABLE FOUNDATION FOR MOUNTING 415 VOLT AC POWER FEEDER PILLAR BOARD AS SPECIFIED IN SL. NO.12 , INSTALLATION & COMMISSIONING OF OF PANEL	2	NO			
	TOTAL VALUE OF SECTION-D IN Rs.					

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
<i>BHEL:PSWR:NAGPUR</i>						
RATE SCHEDULE, SECTION - E (CIVIL WORKS FOR PORTABLE OFFICE & TOILET BLOCK)						
SL.NO	DESCRIPTION OF WORK	QTY	UNIT			
1	EARTH WORK EXCAVATION FROM 0 (ZERO) TO 2 M DEPTH IN ALL KINDS OF SOIL (EXCEPT HARD ROCK AND SOFT ROCK) FOR PRECAST CONCRETE BLOCK , ETC., SPREADING THE EARTH UNIFORMLY AROUND THE OFFICE AREA AS WELL AS OPEN STORAGE YARD FOR SITE DEVELOPMENT WITHIN THE PROJECT BOUNDARY AS DIRECTED BY BHEL ENGINEER AND INCLUDING DISPOSAL OF SURPLUS EARTH. FILLING INTERSTIC GAP BETWEEN EXCAVATION & CONCRETE BLOCK (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	31	M3			
2	BACK FILLING THE SIDES OF PRECAST CONCRETE BLOCKS FOUNDATION ETC. IN LAYERS NOT EXCEEDING 15 CM THICKNESS INCLUDING WATERING AND CONSOLIDATING ETC. COMPLETE AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	2	M3			
3	SUB GRADE PREPARATION: CUTTING & DISPOSAL OF GRASS, LEVELLING, WATERING AND ROLLING WITH 10-12 MT CAPACITY ROLLER FOR SUB BASE PREPARATION BY AVERAGE CUTTING & FILLING OF 200MM THICK AVAILABLE EARTH WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	1650	M2			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
4	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:3:6 USING 20MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR PAVING, PRECAST CONCRETE BLOCK ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER.	21	M3			

BHEL: PS WR
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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
5	MAKING PRE-CAST CONCRETE BLOCK USING 1:2:4 MIX CEMENT CONCRETE AS PER DRAWING FOR INSTALLATION OF PRE-FABRICATED PORTA CABIN INCLUDING ALL MATERIALS,PLY/FORMWORK FOR MOULD WITH STEEL ANGLE FRAMES, REINFORCEMENT, LIFTING-HOOKS, POCKET, CURING, HANDLING, STACKING,TRANSPORTING TO THE WORK SITE, FIXING IN POSITION, ALIGNMENT , LEVELLING ETC. COMPLETE AS PER DIRECTION OF BHEL ENGINEER (EXCAVATION, BACKFILLING & PCC SHALL BE PAID SEPARATELY IN RELEVANT ITEMS.)	64	No.			
6	PROVIDING BRICK WORK IN CM 1:6 (1 CEMENT & 6 COARSE SAND) USING LOCALLY AVAILABLE BRICKS AS PER DRAWING FOR KERB STONE ETC. INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING ETC. COMPLETE AND AS DIRECTED BY ENGINEER AT ALL ELEVATIONS AND LEVELS INCLUDING RAKING OUT JOINTS, CURING ETC. COMPLETE EXCLUDING PLASTERING .	15	M3			
7	PROVIDING AND PLASTERING 18MM THICK WITH CEMENT MORTAR 1:6 OVER BOTH INTERNAL AND EXTERNAL FACES OF BRICKWORK AND CONCRETE SURFACES, PARTITION WALLS ETC. AT ALL HEIGHTS INCLUDING PREPARING THE SURFACE, RAKING JOINTS, SCAFFOLDING, CURING, COST OF ALL MATERIALS, LABOUR ETC. COMPLETE.	17	M2			
8	PROVIDING 2MM THICK NEAT CEMENT FINISH OVER CONCRETE BASE AND BRICK WALL FOR SEPTIC TANK.	17	M2			
	TOTAL OF SECTION-E IN RS					

BHEL: PS WR
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PRICE BID-PART- II (VOL- II)

SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN RS (IN FIG)	RATE IN WORDS	AMOUNT
SUMMARY OF PRICE BID						
	PARTICULARS					AMOUNT IN RS
	<i>Total of Section A - CONSTRUCTION OF 1 NOS. CLOSED SHED & 2 NO. SEMI CLOSED SHED</i>					
	<i>Total of Section B - INTERNAL ELECTRICAL FOR THE ABOVE</i>					
	<i>Total of Section C- DEVELOPMENT OF OPEN STORAGE YARD(75000sqm.), ROADS, DRAINS</i>					
	<i>Total of Section D - ELECTRICAL & ILLUMINATION FOR THE ABOVE</i>					
	<i>Total of Section E - (CIVIL WORKS FOR PORTABLE OFFICE & TOILET BLOCK)</i>					
	Grand Total in Rs.					
	Grand Total in Rs. (IN Words Rs.....)					