

BHEL:PS WR
TS NO: BHE/PW/PUR/BINT-ENB/653
PRICE BID- PART-II (VOL-II)

BOQ (RATE SCHEDULE) FOR ENABLING WORK AT 2X250MW BINA (MP)						
RATE SCHEDULE, SECTION - A						
CONSTRUCTION OF 3NO. CLOSED SHED (ONE WITH OFFICE) SIZE (60M X 15 M) & 2 NO. SEMI CLOSED SHED (60M X 15 M) AND SECURITY CABIN (4M X 3M) - 1No.AT 2X250 MW BINA BPSCL						
SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	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 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.	1500	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 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.	360	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 TANKS , SOAK PIT AND WHEREVER REQUIRED COMPLETE INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) NCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	37	M3			
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 EXCAVATED SOIL AVAILABLE FROM WORK	773	M3			
2(B)	PROVIDING & FILLING IN SOAK PIT WITH BRICK BATS 40-80MM INCLUDING PACKING ETC. COMPLETE,AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	9	M3			

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3	PROVIDING STONE SOLING OF MIN. 250MM THICK BELOW FLOOR AND 300MM THICK BELOW COLUMN FOUNDATION OF CLOSED STORAGE SHED INCLUDING MURRUM PACKING, WATERING & COMPACTION	1460	M3			
4	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 40MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR FOUNDATION, FLOORING,SEPTIC TANK ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER.	577	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.	354	M3			
6	PROVIDING DPC WITH CC 1:2:4 50MM THICK INCLUDING BITUMEN COATING AS PER STANDARD PRACTICE AND SPECIFICATIONS.	322	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.	36	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, SOAK PIT 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.	690	M3			
9	PROVIDING HALF BRICK WORK PARTITION WALL IN CM 1:4 AND PLASTERING IN C.M. 1:6, 12mm THK ON BOTH FACES INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING AS PER DRAWING AND AS DIRECTED BY BHEL ENGINEER	8	M2			

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10(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.	79	MT			
10(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			
10(C)	...DO.. STRUCTURAL STEEL STAGING FOR ERECTION OF PVC O.H.WATER TANK CAP. 1000 LITRES	1	MT			
11	PROVIDING AND FIXING 6/7MM THICK AC CORRUGATED SHEETS WITH CLADDING 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.	5971	M2			
12	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.	330	M2			

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13	A) PROVIDING AND FIXING FALSE CEILING WITH 4MM THICK AC PLAIN SHEETS OF APPROVED QUALITY AND DESIGN OF SIZE 600x600 MM PANELS WITH SQUARE EDGES SUPPORTED BY ANODISED ALUMINIUM FRAMES OF TEES 35x23.5x1.5 MM THICK AS MAIN MEMBER AND 19x23.5x1.5 MM TEES AS CROSS SUPPORTING MEMBERS AND WALL ANGLES OF 23.5x23.5x1.5MM. THE MAIN RUNNERS SHALL BE SUSPENDED FROM ROOF AT 1200 MM CENTRE TO CENTRE BY MEANS OF MS RODS WITH GI 'J' THREADED HOOK FOR ADJUSTMENTS. THE CROSS RUNNERS SHALL BE FIXED TO MAIN RUNNER TO FORM A GRID PATTERN OF 600x600MM AND PROVIDING 25 MM WIDE ALUMINIUM STRIP TEES OR MOULDED SECTIONS AT ALL JOINTS.FALSE CEILING SHALL BE LAID FOR OFFICE AREA OF CLOSED STORAGE SHED. THE RATE SHALL BE INCLUSIVE OF THREE COATS OF WHITE WASHING ON AC PLAIN SHEETS ETC. COMPLETE.	109	M2			
14(A)	MANUFACTURING, SUPPLY AND FIXING OF BEST QUALITY COUNTRY WOOD DOORS COMPRISING OF FRAME 95 X 70MM AND 38/40MM THICK FLUSH SHUTTERS OF SOLID CORE TYPE USING COMMERCIAL PLY INCLUDING HOLD FASTS, WIND APPLIANCES, HANDLES, TOWER BOLTS AND ALDROPS, MORTISE OR SUITABLE LOCKS ETC. AS PER THE STANDARD PRACTICE AND APPLYING TWO COATS OF SYNTHETIC ENAMEL PAINT OF APPROVED SHADE OVER A COAT OF PRIMER AS DIRECTED BY BHEL ENGINEER.	17	M2			
14(B)	SUPPLYING,ERECTING, ASSEMBLING BEST QUALITY PVC PANELLED DOORS OF SINTEX MAKE OR APPROVED EQUIVALENT FOR TOILETS INCLUDING ALL FITTINGS AND FIXTURES ETC. ALL COMPLETE AS PER DRAWINGS AND SPECIFICATIONS.	2	M2			
15	SUPPLY, MANUFACTURE AND FIXING IN POSITION OF STEEL WINDOWS AND 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	i) STEEL WINDOWS	16	M2			

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B	ii) STEEL LAUVERED VENTILATORS :-	26	M2			
16 (A)	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 M SQ. BY PROVIDING, FIXING GLASS STRIPS.	4608	M2			
16(B)	PROVIDING 2MM THICK NEAT CEMENT FINISH OVER CONCRETE BASE FOR FLOORING PAVING ETC.	95	M2			
16(C)	SUPPLYING AND FIXING WHITE GLAZED TILES OF SIZES 150X150X8MM FOR DADO IN TOILET & PANTRY ROOM UP TO 1.5 M ELEVATIONS INCLUDING PEREPARATION OF BASE LAYING UNDERBED, FINISHING AND ROUNDING CORNERS AND JUNCTIONS, CURING ETC. COMPLETCAS PER DRAWINGS AND SPECIFICATIONS.					
	(I) Flooring	109	M2			
	(II) Skirting	34	M2			
17	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.					
A	(i) EXTERNAL PLASTER 18MM THICK	3848	M2			
B	(ii) INTERNAL PLASTER 12MM THICK	2355	M2			
18(A)	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.	5973	M2			

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18 (B)	PROVIDING & APPLYING TO INTERIOR SURFACES TWO OR THREE COATS OF OIL BOUND DISTEMPER (OBD) OF APPROVED SHADE & MAKE CONFIRMING TO IS : 428 TO OBTAIN A EVEN FINISH AND UNIFORM COLOR OVER A COAT OF PRIMER AS PER MANUFACTURE RECOMMENDATION INCLUDING COST OF PAINT, SURFACE PREPARATION, SCAFFOLDING ETC, COMPLETE . SURFACE PREPARATION SHALL BE DONE BY APPLYING PUTTY/PLASTER OF PARISH INCLUDING COST OF MATERIAL, LABOUR ETC. COMPLETE.	295	M2			
19	PROVIDING AND FIXING HYDRAULIC DOOR CLOSER (HEAVY DUTY) OF APPROVED BRAND AND AS DIRECTED BY BHEL ENGINEER.	3	NO.			
20	SUPPLYING AND FIXING IN POSITION OF WHITE GLAZED VITREOUS CHINA WASH BASIN OF SIZE 550 X 400 MM OF APPROVED MAKE AND QUALITY WITH CI BRACKETS PAINTED WITH TWO COATS OF SYNTHETIC ENAMEL PAINT, SINGLE 15MM CP BRASS PILLAR TAP AND CP BRASS CHAIN WITH RUBBER PLUG, 32MM CP BRASS WASTE COUPLING OF STANDARD PATTERN, 32MM DIA MI OR CP BRASS TRAP AND UNIONS 32MM DIA PVC WASTE PIPE COMPLETE INCLUDING CUTTING AND MAKING GOOD THE WALLS WHEREVER REQUIRED. RATE TO INCLUDE COST OF ALL MATERIALS, LABOUR FOR CARRYING, LAYING AND FIXING AND ALL OTHER INCIDENTAL CHARGES ETC. COMPLETE.	1	NO			
21	EUROPEAN TYPE TYPE WATER CLOSET CONFORMING TO IS:2556 WITH WHITE GLAZED STONE WARE BASIN WITH PLASTIC SEATS & COVER AND LOW LEVEL PVC CISTERN OF 15 LITRE DISCHARGE CAPACITY INCLUDING VALVELESS FITTINGS, FLUSH BENDS, SUPPLY CONNECTIONS, SYPHON , INTEGRAL 'S' OR 'P' TRAP ETC. ALL COMPLETE.	1	NO			

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22	SUPPLYING AT SITE OF WORK, CARRYING, LAYING JOINTING AND FIXING IN POSITION OF WHITE GLAZED EARTHENWARE FLAT BACK/CORNER TYPE LIPPED FRONT URINALS OF 430MM X 260MM X 350MM / 340X460X265 MM OF APPROVED MAKE AND QUALITY WITH AUTOMATIC FLUSHING CISTERN WITH CI/MS BRACKETS, STANDARD SIZE GI FLUSH PIPE AND SPREADERS WITH BRASS UNIONS, GICLAMPS (INCLUDING PAINTING OF CISTERNS), TEAKWOOD PLUGS AND SCREWS, INCLUDING SUPPLYING AND FIXING A PAIR OF WHITE GLAZED EARTHENWARE FOOT RESTS FOR EACH URINAL, CUTTING OF FLOORS AND WALLS AND MAKING GOOD OF ALL DAMAGES AND FINISHING TO MATCH THE EXISTING WORK ETC. COMPLETE. RATE QUOTED SHALL INCLUDE COST OF ALL MATERIALS AND LABOUR FOR CARRYING, LAYING AND FIXING AND ALL OTHER INCIDENTAL CHARGES ETC. COMPLETE.					
A	URINAL BASIN WITH 5 LITRES CI AUTOMATIC FLUSHING CISTERN IN STORE CUM OFFICE SHED.	2	NO			
23	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION OF HIGH CLASS BELGIUM OR SUPERIOR MAKE BEVELLED EDGE MIRROR OF SIZE 600MM X 450MM X 6MM MOUNTED ON 6MM THICK PLYWOOD OR PLASTIC FOLDER SHEET. RATE TO INCLUDE COST OF ALL MATERIALS, LABOUR FOR FIXING THE WOODEN PLUGS WITH CP BRASS SCREWS AND WASHERS ETC. COMPLETE.	1	NO			
24	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION ,THE FOLLOWING SIZES OF GUN METAL WHEEL VALVES AS PER STANDARD SPECIFICATION (LEADER MAKE OR EQUIVALENT).					
A	15 MM NOMINAL SIZE GM WHEEL VALVE	1	NO			
25 (A)	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION 15MM NOMINAL SIZE SCREW DOWN TYPE CHROMIUM PLATES BRASS BIB COCKS OF APPROVED MAKE AND QUALITY (LEADER MAKE OR EQUIVALENT) AS PER STANDARD SPECIFICATION.	4	NO			
25 (B)	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION 25MM DIA GATE VALVE	1	NO			
25 (C)	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION 40MM DIA GATE VALVE	1	NO			

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26	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION OF 15MM NOMINAL SIZE CP BRASS STOP COCK OF APPROVED MAKE AND QUALITY (LEADER OR DRIPLESS MAKE) AS PER STANDARD SPECIFICATIONS. RATE TO INCLUDE COST OF JOINTING MATERIALS, COST OF STOP COCK, LABOUR FOR CARRYING AND FIXING ETC. COMPLETE.	4	NO			
27	SUPPLYING AT SITE OF WORK AND FIXING 100MM X 50MM HCI "NAHANI" TRAP WITH HCI GRATINGS AS PER STANDARD SPECIFICATIONS. RATE TO BE ALL INCLUSIVE.	3	NO			
28	SUPPLYING AT SITE OF WORK AND FIXING 150MM STONE WARE GULLY TRAP WITH HCI GRATINGS AND CI COVER OF SIZE 300X300 MM OF APPROVED MAKE (WEIGHT 300MM X 300 MM OF APPROVED MAKE (WEIGHT NOT LESS THAN 2 KG) AND QUALITY AS PER STANDARD SPECIFICATIONS. RATE TO BE ALL INCLUSIVE.	3	NO			
29	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	30	RM			
C	20MM DIA GI PIPE LINE WITH ALL SPECIALS	25	RM			
D	15MM DIA GI PIPE LINE WITH ALL SPECIALS	20	RM			

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30	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).					
A	(100MM) DIA STONEWARE PIPELINE INCLUDING ALL SPECIALS COMPLETE.	80	RM			
31	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			
32	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	600X450X450 WITH C.I COVER	2	NO			
B	600X450X600 WITH C.I. COVER	3	NO			
33.A	PROVIDING AND FIXING ANODISED ALUMINIUM (1M LONG) TOWEL RODS OF GOOD QUALITY IN TOILET BLOCKS & PANTRY	5	NO.			
33.B	PROVIDING & FIXING LIQUID SOAP DISPENSER AT ALL THE WASH BASIN LOCATION	1	NO.			
34	PROVIDING & FIXING WOODEN FRAME OF BEST COUNTRY WOOD (2.5"x3.0") FOR INSTALLING PORTABLE 2-T AIR CONDITIONAR ON THE WALL OPENING (31"x22"), SO AS TO MAKE A FRAME OF INSIDE CLEAR DIMENSION 26"x17" WITH COMPLETE FINISHING PAINTING, HOLD FAST ETC.	3	NOS.			
35	PROVIDING & FIXING IN POSITION AC VENT PIPE OF DIA. 100MM (HT. 3M) IN SEPTIC TANK	6	RM			

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36	PROVIDING & FIXING 75 THK. RCC PRECAST COVER (600X600) WITH 1:2:4 CONCRETE FOR MAN HOLE CHAMBER OF SEPTIC TANK & OVER THE SOAK PIT INCLUDING ALL MATERIALS, CURING, LIFTING HOOKS, LABOUR ETC. COMPLETE	2	Nos.			
37	PROVIDING AND FIXING METALLIC DECORATIVE TYPE HEAVY DUTY PELMET ROD FOR DOORS AND WINDOWS AS APPROVED BY BHEL ENGINEER.	6	EACH			
38	PROVIDING AND FIXING OF 2 NOS. WATER PURIFIER AQUA-GUARD OR EQUIVALENT , ALONG WITH ALL FITTINGS	1	NOS.			
39	PROVIDING AND FIXING OF 1 NO. 18"X24" SIZE STAINLESS STEEL SINK WITH ALL FITTINGS LIKE DRAIN PIPE, STOP VALVE ETC.	1	NOS.			
40	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).	54	M2			
	TOTAL VALUE OF SECTION-A IN Rs.					

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RATE SCHEDULE, SECTION B						
<u>NAME OF THE WORK : INTERNAL ELECTRIFICATION WORK OF CLOSED SHED WITH ONE OFFICE BUILDING, 2NO. CLOSED SHED (60M X 15 M) & 2 NO. SEMI CLOSED SHED (60M X 15 M) AND SECURITY CABIN (4M X 3M) -1No.AT 2X250 MW BINA BPSCCL</u>						
1	<p>SUPPLYING & INSTALLING 3 PHASE METER AND POWER DISTRIBUTION BOARD FOR ABOVE SHEDS AND PORTA CABIN COMPLETE WITH :</p> <p>(1) INCOMING MCB TPN 100 AMPS -1NO.</p> <p>(2) OUTGOING DP RCCBS ,63 AMPS.30 MA -3NOS.</p> <p>(3) DP RCCB 25/20 AMPS ,30MA -9NOS</p> <p>(4) OUTGING DP MCB , 6AMPS, - 20 NOS,</p> <p>(5) OUTGOING SP MCB , 6AMPS, -12 NOS</p> <p>(6) ENERGYSMETER CT OPERATED -1NO.</p> <p>(7) VOLTMETER WITH SELECTOR SWITCH -1NO</p> <p>(8) AMMETER WITH SELECTOR SWITCH - 1NO</p> <p>.ALL RCCBS, MCBS SHALL BE MDS/INDO KOPP MAKE 3 PHASE ELECTRONIC ENERGY METER - BHEL / L&T / GEC MAKE AMMETER, VOLTMETER, SELECTOR SWITCHES FOR BOTH - AE / KAYCEE MAKE PHASE INDICATION LAMPS, PROVISION FOR DOUBLY EARTHING THE PANEL ENCLOSURE. PANEL ENCLOSURE SHALL BE MADE OF SHEET METAL THICHNNES NOT LESS THAN 1.6 MM AND SUITABLE FOR OUT DOOR INSTALLATION, MODULAR CONSTRUCTION PREFERABLY IN 2 MODULES (1 FOR ENERGY METER & 1 FOR DISTRIBUTION), 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</p> <p>DISTRIBUTION 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</p>	1	Set			

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2	PROVIDING AND INSTALLING WIRING USING 2.5 MM2 COPPER CONDUCTOR THROUGH PVC CONDUIT OF REQUIRED SIZE WITH ACCESSORIES AND FIXTURES .WIRING SHALL BE CONCEALED TYPE FOR COMPUTER ROMM, OFFICE SHED & FOR REST OF SHEDS OPEN IN PVC CONDUIT OF REQUIRED SIZE.	150	PER POINT			
3	PROVIDING AND INSTALLING WIRING FOR USING 4.0MM2 COPPER CONDUCTOR THROUGH PVC CONDUIT OF REQUIRED SIZE WITH ACCESSORIES AND FIXTURES .WIRING SHALL BE CONCEALED TYPE FOR COMPUTER ROMM, OFFICE SHED & FOR REST OF SHEDS OPEN IN PVC CONDUIT OF REQUIRED SIZE.	53	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.	20	PER POINT			
5	PROVIDING AND INSTALLING WIRING FOR MAINS USING 16.00SQ.MMCOPPER CONDUCTOR OR ISI MAKE USING CONCEALED TYPE WIRING/PVC CONDUIT OF REQUIRED SIZE.	8	PER POINT			
6	PROVING AND INSTALLATION OF WIRING FOR FANS/COOLERS USING 2.5SQ.MM COPPER CONDUCTOR OF ISI MARK THROUGH PVC CONDUITS WITH ACCESSORIES AND FIXTURES. THIS INCLUDES TUBE LIGHT FITTINGS IN CLOSED STORE SHEDS	7	PER POINT			
7	POVIDING AND INSTALLATION OF PLUG POINT OF 5A SOCKET (ANCHOR OR EQUIV.) OUTLET INCLUDING WIRING TERMINATION. THIS INCLUDES TUBE LIGHT FITTINGS IN CLOSED STORE SHEDS	20	NO			
8	POVIDING AND INSTALLATION OF PLUG POINT OF 15A SOCKET (ANCHOR OR EQUIV.) OUTLET INCLUDING WIRING TERMINATION. THIS INCLUDES TUBE LIGHT FITTINGS IN CLOSED STORE SHEDS	8	NO			
9	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.	137	NO.			
10	PROVIDING AND FIXING EXHAUST FANS 12" DIAMETER WITH FRAME OF STANDARD MANUFACTURER LIKE CROMPTAN GREEVES OR EQUIVALENT AS APPROVED BY BHEL.	2	NO.			
11	PROVIDING AND FIXING HEAVY DUTY PLUG POINT 15 AMPS{ANCHOR MAKE OR EQUIV.) WITH ONE SWITCH FOR COMPUTER ,ONE FOR AC CONNECTION WITH BORD ETC COMPLETE.	3	NO.			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
12	PROVIDING AND FIXING METAL CLAD PLUG AND MCB OF 30AMPS. (CROMPTON/MDS MAKE) FOR AIR CONDITIONER WITH BOARD ETC COMPLETE.	1	NO.			
13	PROVIDING AND FIXING CEILING FAN 48" DIAMETER OF APPROVED COMPANY SUCH AS CROMTAN GREEVES OR ANY OTHER STANDARD MANUFACTURER AS DIRECTED BY BHEL. THIS INCLUDES TUBE LIGHT FITTINGS IN CLOSED STORE SHEDS	7	NO			
14	PROVIDING AND FIXING CALLING BELLS (WITH INDICATOR LIGHT)	1	NO			
15	PROVIDING EARTHING PITS WITH 2 " DIA , 2 M LONG GI PIPES WITH FLANGE & GI WIRES WITH CHARCOAL, SALT AND AS PER THE STANDARD PRACTICE FOR ELECTRICAL CONNECTION.ONE EARTH PIT FOR PORTA CABIN.RATE SHALL BE INCLUSIVE OF ALL MATERIALS,LABOURS,ETC COMPLETE.	2	NO			
16	Supplying & Installing Power Distribution Board for above sheds & porta-cabins complete with:	1	Set			
	1) Incoming MCB TPH 100 Amps. - 1 No. 2) Outgoing MCB TPH 32 Amps. -6 Nos.. 3) RCCB DP 25/20 Amps. - 6Nos. 4) Outgoing MCB SP 6 Amps - 12Nos.					
	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					
17	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.	48	Nos.			
18	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	48	Per Point			
19	Supplying & Fixing Wall Mounting type LIGHTING PANELS, each with : (1) Incoming MCB TPN -32 Amps - 1No. For above sheds and porta cabins.	6	Sets.			
	(2) RCCB DP 32 Amps - 3Nos (3) MCB SP 6Amps - 30 Nos.					
	All MCBs and RCCBs shall be of MDS / INDO KOPP make					
	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.					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
20	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 for above sheds and porta cabin. A brick wall chamber with CI cover for all earth pits shall be provided.	6	NOS.			
21	SUPPLY OF CABLES 3 -1/2 COREX 35 SQMM ALUMINIUM ARMOURED PVC INSULATED CABLE (THREE AND HALF CORE) CONFIRMING TO IS 1554 (PART -I) FOR ABOVE SHEDS AND PORTA CABINS.	600	M			
22	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 FOR ABOVE SHEDS AND PORTA CABINS.THE CABLE AND BACK FILLING ETC. CABLES ARE TO BE LAID FROM TRANSFORMER SUB STATION TO 415 VOLT AC DISTRIBUTION BOARD	600	M			
	TOTAL VALUE OF SECTION-B IN Rs.					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
BHEL:PSWR:NAGPUR						
RATE SCHEDULE, SECTION - C (CIVIL WORKS FOR PORTABLE OFFICE & TOILET BLOCK) AT AT BINA POWER (2X250 MW)						
1(A)	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 , SEPTIC TANK, SOAK PIT, ETC., SPREADING THE EARTH UNIFORMLY AROUND THE OFFICE AREA AS DIRECTED BY BHEL ENGINEER AND INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	65	M3			
1(B)	EARTH WORK EXCAVATION FROM 0 (ZERO) TO 2 M DEPTH IN ALL KINDS OF SOIL INCLUDING HARD ROCK AND SOFT ROCK FOR PRECAST CONCRETE BLOCK , SEPTIC TANK, SOAK PIT, ETC., SPREADING THE EARTH UNIFORMLY AROUND THE OFFICE AREA AS DIRECTED BY BHEL ENGINEER AND INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	20	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 ETC. COMPLETE INCLUDING DISPOSAL OF SURPLUS EARTH (IF ANY) INCLUDING DEWATERING WITH ALL T&P, LABOURS, MATERIALS ETC. COMPLETE.	43	M3			
2	BACK FILLING THE SIDES OF PRECAST CONCRETE BLOCKS FOUNDATION, SEPTIC TANK 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(A)	WITH EXCAVATED SOIL AVAILABLE FROM WORK	20	M3			
2(B)	WITH GOOD EARTH BROUGHT FROM OUTSIDE FROM CONTRCTOR'S OWN SOURCE INCLUDING ROYALTY	12	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.	9	M3			
3	SUPPLY, STACKING AND SPREADING UNIFORMLY 20MM SIZE CRUSHER BROKEN TRAP/GRANITE/QUARZITE/GNEISS STONE AGGREGATE 100MM THICK IN PATHWAY FOR PORTA CABIN SITE OFFICE COMPLEX	7	M3			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
4	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 INSTALLATION OF PORTA CABIN OFFICE ETC.	1025	M2			
5(A)	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:3:6 USING 20MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR PAVING,SOAK PIT COVER ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER.	12	M3			
5 (B)	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 40MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR PRECAST CONCRETE BLOCK,SEPTIC TANK ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER.	5	M3			
6	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 BUT EXCLUDING COST OF REINFORCEMENTS FOR FLOORING.	5	M3			
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.	0.5	MT			
8	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.			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
9	PROVIDING BRICK WORK IN CM 1:6 (1 CEMENT & 6 COARSE SAND) USING LOCALLY AVAILABLE BRICKS AS PER DRAWING FOR WALL, SEPTIC TANK BAFFLE WALL, SOAK PIT, 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 & PAINTING.	37	M3			
10	...DO.. STRUCTURAL STEEL STAGING FOR ERECTION OF PVC O.H.WATER TANK CAP. 1000 LITRES	0.5	MT			
11	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.	107	M2			
12	PROVIDING 2MM THICK NEAT CEMENT FINISH OVER CONCRETE BASE AND BRICK WALL FOR SEPTIC TANK.	107	M2			
13	PROVIDING & FIXING IN POSITION AC VENT PIPE OF DIA. 100MM (HT. 3M) IN SEPTIC TANK	3	RM			
14	PROVIDING & FIXING 75 THK. RCC PRECAST COVER (600X600) WITH 1:2:4 CONCRETE FOR MAN HOLE CHAMBER OF SEPTIC TANK & OVER THE SOAK PIT INCLUDING ALL MATERIALS, CURING, LIFTING HOOKS, LABOUR ETC. COMPLETE	2	Nos.			
15	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.					

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
A	40MM DIA GI PIPE LINE WITH ALL SPECIALS	50	RM			
B	25MM DIA GI PIPE LINE WITH ALL SPECIALS	30	RM			
C	20MM DIA GI PIPE LINE WITH ALL SPECIALS	25	RM			
D	15MM DIA GI PIPE LINE WITH ALL SPECIALS	20	RM			
16	SUPPLYING AT SITE OF WORK AND FIXING 100MM X 50MM HCI "NAHANI" TRAP WITH HCI GRATINGS AS PER STANDARD SPECIFICATIONS. RATE TO BE ALL INCLUSIVE.	2	NO			
17	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).					
	A) (100MM) DIA STONEWARE PIPELINE INCLUDING ALL SPECIALS COMPLETE.	80	RM			
18	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	600X450X450 WITH C.I COVER	1	NO			
B	600X450X600 WITH C.I. COVER	1	NO			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
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.CONTRACTOR SHALL OBTAIN PRIOR APPROVAL OF BHEL BEFORE PROCUREMENT OF PVC TANK.	1	NO			
20	PROVIDING AND FIXING OF 2 NOS. WATER PURIFIER AQUA-GUARD OR EQUIVALENT , ALONG WITH ALL FITTINGS	2	NOS.			
21	Supplying and fixing UPVC WASTE pipe of 100MM DIA. to withstand continous internal hydraulic pressure of 4 kg/cm2 for lowering of waste pipe from Porta cabin internal trap to Brick chamber including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants in ground including necessary excavation, laying refilling, trench testing etc. complete. as directed by BHEL Engineer.	4	RM			
22	PROVIDING AND FIXING BARBED WIRE FENCING 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. 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.	128	RM			

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SL.NO	DESCRIPTION OF WORK	QTY	UNIT	RATE IN FIG (IN RS)	RATE IN WORDS	AMOUNT
23	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.	1.5	MT			
	TOTAL OF SECTION C					
	SUMMARY OF PRICE BID					
	PARTICULARS				AMOUNT	
1	Total of Section A - CONSTRUCTION OF 3 NOS. CLOSED SHED WITH OFFICE IN ONE SHED , 2 NO. SEMI CLOSED SHED AND SECURITY CABIN -1No					
2	Total of Section B - INTERNAL ELECTRICAL FOR THE ABOVE					
3	Total of Section C -CIVIL WORKS FOR PORTABLE OFFICE & TOILET BLOCK					
	TOTAL OF ALL ABOVE IN RS					
	TOTAL OF QUOTED RATE IN WORDS (RS.....)					