

BHEL-PSWR
T.S: NO: PW/NGP/PUR/HZL-ENB/453
PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

RATE-SCHEDULE SECTION A						
NAME OF WORK : CIVIL WORKS FOR OFFICE AND STORAGE SHED						
SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
1	A) EARTH WORK EXCAVATION UPTO 0 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 SPECIFIED AREA FOR SITE DEVELOPMENT AND DISPOSING THE SURPLUS EARTH (IF ANY) AT THE AREA EARMARKED INSIDE OF PROJECT BOUNDARY WITHIN 3 TO 5 KM AS DIRECTED BY BHEL ENGINEER	90	M3			
2	BACK FILLING IN FOUNDATION AND PLINTH WITH SELECTED EXCAVATED SOILS IN LAYERS NOT EXCEEDING 15 CM THICKNESS INCLUDING WATERING AND CONSOLIDATING ETC. COMPLETE AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	35	M3			
3	PROVIDING & FILLING IN SOAK PIT WITH BRICK BATS 40-80MM INCLUDING PACKING ETC. COMPLETE,AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	2	M3			
4	PROVIDING RANDOM RUBBLE MASONARY WITH HARD STONE IN FOUNDATION AND UPTO PLINTH WITH CEMENT MORTOR 1:6 INCLUDING COST OF MATERIAL , CEMENT AND POINTING WORKS WITH CEMENT MORTOR 1:4 FOR THE EXPOSED SURFACE ABOVE GL	12	M3			
5	SUPPLYING AND FILLING WITH GOOD RIVER SAND(100 MM THK) IN LAYERS, WATERING AND CONSOLIDATING ALL COMPLYING WITH STANDARD SPECIFICATION FOR FILLING THE FOUNDATION AND BELOW FLOOR AND BASEMENT. RATE INCLUDES COST OF MATERIAL, LABOUR, TRANSPORT, INCIDENTAL	4	M3			
6	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 40MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR FOUNDATION, FLOORING, ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY	24	M3			

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7	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 REINFORCEMENT WHICH SHALL BE PAID UNDER RELEVANT ITEM	6	M3			
8	PROVIDING DPC WITH CC 1:2:4 40MM THICK INCLUDING BITUMEN COATING AS PER STANDARD PRACTICE AND SPECIFICATIONS.(UNDER PLINTH BEAMS)	24	M2			
9	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 WIR 18/20 GAUGE ETC. COMPLETE	0.7	MT			
10	PROVIDING BRICK WORK USING LOCALLY AVAILABLE BEST QUALITY BURNT CLAY BRICKS IN CM 1:6 INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING ETC. COMPLETE AS PER DRAWING AND AS DIRECTED BY BHEL ENGINEER AT ALL ELEVATIONS AND LEVELS.	50	M3			
11	PROVIDING HALF BRICK WORK IN PARTITION WALL USING LOCALLY AVAILABLE BEST QUALITY BURNT CLAY BRICKS AS ABOVE IN CM 1:4 INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING AS PER DRAWING AND AS DIRECTED BY BHEL ENGINEER	18	M2			

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12	DESIGN, MANUFACTURE, SUPPLY,FABRICATION AND ERECTION OF STEEL STRUCTURAL COLUMNS, BRACINGS (FOR O.H. WATER TANK STAGING, GATEPOST) AND TUBULAR/STRUCTURAL/COMPOSITE TRUSSES, PURLINS 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. DRWAING ATTACHED WITH TENDER IS INDICATIVE ONLY & DESIGN HAS TO BE OBTAINEDBFOR TRUSS, COLUMNS ETC. BEFORE FABRICATION, DULY APPROVED BY BHEL. RATE IN 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 OR RED OXIDE) OF APPROVED COLOUR AND QUALITY AT SITE.					
	(A) STRUCTURAL STEEL WORKS FOR WATER TANKS	0.5	MT			
	(B) TUBULAR/COMPOSITE TRUSSES (AVG. RATE FOR TUBULER, STRUCTURAL OR COMBINED SECTION AS THE CASE MAY BE)	3	MT			
13	PROVIDING AND FIXING 6/7MM THICK AC CORRU GATED 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.	185	M2			
14	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 SUSPENDE 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. THE RATE SHALL BE INCLUSIVE OF THREE COATS OF WHITE WASHING ON AC PLAIN SHEETS ETC. COMPLETE.	300	M2			

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				IN FIGURE	IN WORD	
15 (A)	MANUFACTURING, SUPPLY AND FIXING OF BEST QUALITY COUNTRY WOOD DOORS COMPRISING OF FRAME 95 X 70MM AND 38/40MM THICK PANEL SHUTTERS (SINGLE SHUTTER TYPE) 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.	9	M2			
15(B)	MANUFACTURING, SUPPLY AND FIXING OF BEST QUALITY COUNTRY WOOD DOORS COMPRISING OF FRAME 95 X 70MM AND 38/40MM THICK PANEL SHUTTERS (DOUBLE SHUTTER TYPE) 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.	4	M2			
16	MANUFACTURE, SUPPLY 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.					
	i) STEEL WINDOWS	10	M2			
	ii) STEEL VENTILATORS :-	3	M2			

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17	PROVIDING & FIXING STEEL SINGL OR DOUBLE DOOR SHUTTERS ,SHUTTERS SHALL BE 45 MM THICH FLUSH DESIGN COMPRISING 2 OUTER SHHETS OF 18 GAUGE STEEL SHEETS RIGIDLY CONNECTED AND REINFORCED INSIDE WITH CONTINOUS VERTICAL 20 GAUGE STIFFNERS , SPOT WELDED IN POSITION AT NOT MORE THAN 150 MM ON CENTERS SIDE, TOP, BOTTOM EDGES OF SHUTTER SHALL BE OF PRESSED STEEL CHANNELS OF 1:2 MM THICK INCLUDING ALL FITTINGS LIKE TOWER BOLTS, STOPPERS, ALDROPS, HANDLE ETC. AND PAINTING WITH MINUMUM 2 COATS OF SYNTHETIC ENAMEL PAINT ON PRIMER COMPLETE.	7	M2			
18	PROVIDING AND FIXING IPS FLOORING 40MM/25MM 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.					
	B) IPS FLOORING 25 MM THICK	120	M2			
19	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) INTERNAL PLASTER 12MM THICK	200	M2			
	(ii) EXTERNAL PLASTER 18 MM THICK	150	M2			
20	PROVIDING AND MAKING SUNK POINTING IN HORIZONATAL AND VERTICAL GROOVES MADE IN BRICK MASONARY WORK 10 MM WIDE AND 12 MM DEEP IN CM 1:3 WITH AN ADMIXTURE OF 3: 5 BY WEIGHT OF CEMENT APPROVED WATER PROOFING COMPOUND COMPLETE IN SUPER STRUCTURE INCLUDING CLEANING OF BRICK SURFACE, CURING, SCAFFOLDING ALL COMPLETE.	35	M2			
21	PROVIDING AND LAYING GLAZED TILES OF SIZE 150X150X6MM FOR WALL DADO ONLY UPTO A HEIGHT OF 1.5M ABOVE , FROM THE GROUND LEVEL AND SKIRTING IN TOILET BLOCK AND PANTRY RESPECTIVELY OVER A BED OF CEMENT MORTAR 1:3, 12MM THICK INCLUDING POINTING WITH NEAT WHITE CEMENT INCLUDING COST OF LABOUR, MATERIALS ETC. COMPLETE.	15	M2			

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22	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 ADDESSIVE SCAFFOLDING, BRUSH ETC. COMPLETE.	235	M2			
23	PAINTING THREE COATS OF CEMENT PAINT (SNOW CEM) ON OUTSIDE SURFACE OF THE OFFICE SHED AND STORE SHED OF APPROVED QUALITY AND SHADE ON NEWLY PLASTERED SURFACE TO GIVE AN EVEN COLOUR INCLUDING CLEANING, PREPARING THE SURFACE AND CURING, SCAFFOLDING ETC. COMPLETE . RATE TO INCLUDE COST OF ALL MATERIALS, LABOUR, CONSUMABLES ETC. COMPLETE.	150	M2			
24	PAINTING TWO COATS OF OBD ON THE INTERNAL SURFACES OF CM'S ROOM, CONFERENCE HALL, COMPUTER ROOM ETC. IN THE OFFICE SHED AND THE STORE SHED OF APPROVED QUALITY AND SHADE ON NEWLY PLASTERED SURFACE TO GIVE AN EVEN COLOUR INCLUDING CLEANING, PREPARATION OF SURFACE BY APPLYING PUTTY AND A PRIMER COAT. RATE QUOTED SHOULD INCLUDE COST OF ALL MATERIALS, LABOUR, CONSUMABLES, SCAFFOLDING ETC. COMPLETE.	35	M2			
25	PROVIDING AND FIXING HYDRAULIC DOOR CLOSER (HEAVY DUTY) OF APPROVED BRAND AND AS DIRECTED BY BHEL ENGINEER.	3	NO.			
26	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.	2	NO.			

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27	SUPPLYING AT SITE OF WORK, CARRYING, LAYING JOINTING AND FIXING IN POSITION OF INDIAN TYPE WHITE GLAZED VITREOUS CHINA WATER CLOSET PAN OF SIZE 580MM OF APPROVED MAKE AND QUALITY (PARRYWARE OR EQUIVALENT) WITH SUITABLE P OR S TRAP, WHITE GLAZED FOOT REST, SEPARATE FLUSHING CISTERN ARE NOT REQUIRED. SUITABLE FLUSHING DEVICE TO BE MADE THROUGH 50 DIA GI PIPING WITH CONTROL VALVES DIRECTLY CONNECTED TO OVERHEAD TANK AS PER THE INSTRUCTION OF BHEL ENGINEER, CUTTING THE WALL AND FLOOR WHEREVER REQUIRED AND MAKING GOOD ALL DAMAGES AND FINISHING TO MATCH THE EXISTING WORK. COST OF JOINTING MATERIALS, ALL OTHER INCIDENTAL TO CHARGES ETC. COMPLETE. SUPPLYING AND FIXING OF PIPES AND VALVES SHALL BE PAID UNDER THE RESPECTIVE ITEM OF PLUMBERING WORK.	1	NO.			
28	SUPPLYING AT SITE OF WORK, CARRYING, LAYING, JOINTING AND FIXING IN POSITION OF EUROPEAN TYPE WHITE GLAZED WATER CLOSET (PARRYWARE OR EQUIVALENT) 400MM HIGH WITH PLASTIC SEAT COVER WITH C P HINGES, RUBBER BUFFERS AND 10 LITRES CAPACITY PVC LOW LEVEL SYPHONIC TYPE FLUSHING CISTERN WITH 1/2" (HALF) PVC CONNECTION OTHER FITTINGS AND BRACKETS, 40 MM PVC FLUSH BEND, 20 MM OVERFLOW PIPE WITH SPECIALS AND MOSQUITO PROOF COUPLING OF APPROVED DESIGN WITH ALL FITTINGS, PANTING WITH TWO COATS OF READY MIXED SYNTHETIC ENAMEL PAINT OF APPROVED COLOUR AND QUALITY ON BRACKETS AND OTHER FITTINGS, CUTTING OF WALLS AND FLOORS AND MAKING GOOD OF ALL DAMAGES AND FINISHING TO MATCH THE EXISTING WORK. RATE QUOTED SHALL INCLUDE COST OF MATERIALS AND LABOUR FOR CARRYING FIXING AND ALL INCIDENTAL CHARGES ETC. COMPLETE.	1	NO.			

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29	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 MMOF APPROVED MAKE AND QUALITY WITH AUTOMATIC FLUSHINGCISTERN WITH CI/MS BRACKETS, STANDARD SIZE GI FLUSH PIPE AND SPREADERS WITH BRASS UNIONS, GI CLAMPS (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) RANGE OF 1 URINAL BASINS WITH 5 LITRES CI AUTOMATIC FLUSHING CISTERN IN COMMON TOILET BLOCKS .	2	NO			
30	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	2	NO.			
31	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	4	NO.			
	B) 20 MM NOMINAL SIZE GM WHEEL VALVE	7	NO.			
	C) 25 MM NOMINAL SIZE GM WHEEL VALVE	5	NO.			

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32	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.			
33	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.			
34	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.			
35	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.			
36	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION AND JOINTING OF ASBESTOS CEMENT PIPE WITH CEMENT MORTAR 1:2 AND BITUMASTIC COMPOUND OF FOLLOWING DIAMETER WITH SHOE, BEND, MS CLAMPS, BRACKETS, TEAKWOOD PLUGS, GRATINGS, COWL ETC. COMPLETE AS PER STAND					
	A) 100MM DIA AC PIPE WITH ALL FITTINGS	10	RM			

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37	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)	1" DIA GI PIPE LINE WITH ALL SPECIALS	50	RM			
(B)	3/4" DIA GI PIPE LINE WITH ALL SPECIALS	20	RM			
(C)	1/2" DIA GI PIPE LINE WITH ALL SPECIALS	50	RM			
38	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) 4" (100MM) DIA STONEWARE PIPELINE INCLUDING ALL SPECIALS COMPLETE.	30	RM			

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39	SUPPLY AND FIXING IN POSITION PVC WATER OVERHEAD TANK OF SYNTEX OR ANY APPROVED MAKE OF 2M3 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	2	NO.			
40	PROVIDING AND FIXING OF BEST QUALITY CERAMIC TILES OF APPROVED MAKE LIKE SPARTEC (NON SKID TYPE) OR EQUIVALENT OVER THE FLOORS OF CM's CABIN, CONFERENCE HALL, COMPUTER ROOM , AND FLOORS OF ALL THE TOILET BLOCKS. SHADES/COLOURS/SIZES HAS TO BE DECIDED AFTER APPROVAL OF BHEL ENGINEER. RATE QUOTED SHALL BE INCLUSIVE OF BASE PREPARATION/MORTOR BEDDING BELOW TILES AND ALL ASSOCIATED WORK LIKE JOINTING, FINISHING WITH WHITE CEMENT, CLEARING ETC. COMPLETE.	15	M2			
41	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	2	NO.			
	B) –DO- 600X600X600 WITH C.I. COVER	2	NO.			
42	SUPPLYING & FIXING, MARBLE PARTITIONS IN BETWEEN URINALS (SIZE 1.5MX0.60MX25MM THICK)	2	M2			
43	SUPPLYING & FIXING CADDAPPA STONE IN KITCHEN / PANTRY OTTA OF APPROVED QUALITY (40MM THIK.)	2	M2			
44	I) PROVIDING AND FIXING ANODISED ALUMINUN (1M LONG) TOWEL RODS OF GOOD QUALITY IN TOILET BLOCKS & PANTRY	2	NO.			
	II) PROVIDING & FIXING LIQUID SOAP DISPENSER AT ALL THE WASH BASIN LOCATION	3	NO.			

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45	PROVIDING & FIXING WOODEN FRAME OF BEST COUNTRY WOOD (2.5"x3") FOR INSTALLING PORTABLE 2T 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. APPROX. SIZ OF THE FRAME SHALL BE 600X600 MM	2	NO.			
46(A)	PROVIDING NEAT CEMENT FINISH OVER THE FRESHLY LAID PLASTER INSIDE THE SEPTIC TANK.	12	M2			
46(B)	PROVIDING & FIXING IN POSITION AC VENT PIPE OF DIA.100MM (HT.2M) IN SEPTIC TANK	2	NO.			
46©	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	NO.			
	TOTAL					

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RATE-SCHEDULE SECTION B						
NAME OF THE WORK: CIVIL WORKS FOR STORAGE SHED						
1	A) EARTH WORK EXCAVATION UPTO 0 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 SPECIFIED AREA FOR SITE DEVELOPMENT AND DISPOSING THE SURPLUS EARTH BEYOND THE PLANT BOUNDARY AT A LEAD OF 3-5 KM.	200	M3			
2	BACK FILLING IN FOUNDATION AND PLINTH WITH SELECTED EXCAVATED SOILS IN LAYERS NOT EXCEEDING 15 CM THICKNESS INCLUDING WATERING AND CONSOLIDATING ETC. COMPLETE AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	90	M3			
3	PROVIDING & FILLING IN SOAK PIT WITH BRICK BATS 40-80MM INCLUDING PACKING ETC. COMPLETE,AS PER STANDARD SPECIFICATION AND AS INSTRUCTED BY BHEL ENGINEER.	5	M3			
4	PROVIDING RANDOM RUBBLE MASONARY WITH HARD STONE IN FOUNDATION AND UPTO PLINTH WITH CEMENT MORTOR 1:6 INCLUDING COST OF MATERIAL , CEMENT AND POINTING WORKS WITH CEMENT MORTOR 1:4 FOR THE EXPOSED PORTION ABOVE GL	50	M3			
5	SUPPLYING AND FILLING WITH GOOD RIVER SAND (100 MM THK)IN LAYERS, WATERING AND CONSOLIDATING ALL COMPLYING WITH STANDARD SPECIFICATION FOR FILLING THE FOUNDATION AND BELOW FLOOR AND BASEMENT. RATE INCLUDES COST OF MATERIAL, LABOUR, TRANSPORT, INCIDENTAL CHERGES (IF ANY)	25	M3			
6	PROVIDING AND LAYING OF PLAIN CEMENT CONCRETE OF MIX 1:4:8 USING 40MM & DOWN SIZE HARD BROKEN GRANITE STONE JELLY FOR FOUNDATION, FLOORING, ETC. INCLUDING SHUTTERING, CURING, CONSOLIDATION ETC. COMPLETE AS PER STANDARD SPECIFICATIONS AND AS DIRECTED BY BHEL ENGINEER	24	M3			
7	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 REINFORCEMENT WHICH SHALL BE PAID UNDER RELEVANT ITEM	10	M3			

BHEL-PSWR
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PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

Sl.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
8	PROVIDING DPC WITH CC 1:2:4 40MM THICK INCLUDING BITUMEN COATING AS PER STANDARD PRACTICE AND SPECIFICATIONS.(UNDER PLINTH BEAMS)	12	M2			
9	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 BINDING WIRE.	1.2	MT			
10	PROVIDING BRICK WORK USING LOCALLY AVAILABLE BEST QUALITY BURNT CLAY BRICKS IN CM 1:6 INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING ETC. COMPLETE AS PER DRAWING AND AS DIRECTED BY BHEL ENGINEER AT ALL ELEVATIONS AND LEVELS.	80	M3			
11	PROVIDING HALF BRICK WORK IN PARTITION WALL USING LOCALLY AVAILABLE BEST QUALITY BURNT CLAY BRICKS AS ABOVE IN CM 1:4 INCLUDING COST OF ALL MATERIALS, LABOUR, SCAFFOLDING, CURING AS PER DRAWING AND AS DIRECTED BY BHEL ENGINEER	8	M2			
12	DESIGN, MANUFACTURE, SUPPLY AND ERECTION OF STEEL STRUCTURAL COLUMNS, BRACINGS (FOR O.H. WATER TANK STAGING, GATEPOST) AND TUBULAR/STRUCTURAL/COMPOSITE TRUSSES, PURLINS SPACED GENERALLY @ 1.4 M CENTRE TO CENTRE TO SUPPORT ROOFING WITH AC SHEETS AND WIND					
	(A) STRUCTURAL STEEL WORKS FOR WATER TANKS	1	MT			
	(B) TUBULAR/STRUCTURAL/COMPOSITE TRUSSES (AVG. RATE FOR TUBULER, STRUCTURAL OR COMBINED SECTION AS THE CASE MAY BE)	8	MT			
13	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.	350	M2			

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PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
14	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. THE RATE SHALL BE INCLUSIVE OF THREE COATS OF WHITE WASHING ON AC PLAIN SHEETS ETC. COMPLETE.	20	M2			
15	MANUFACTURING, SUPPLY AND FIXING OF BEST QUALITY COUNTRY WOOD DOORS COMPRISING OF FRAME 95 X 70MM AND 38/40MM THICK PANEL SHUTTERS, (DOUBLE SHUTTER TYPE) INCLUDING HOLD FASTS, WIND APPLIANCES, HANDLES, TOWER BOLTS AND ALDROPS, MORTISE OR SUITABLE LOCKS	4	M2			
16	PROVIDING & FIXING STEEL SINGL OR DOUBLE DOOR SHUTTERS .SHUTTERS SHALL BE 45 MM THICH FLUSH DESIGN COMPRISING 2 OUTER SHHETS OF 18 GAUGE STEEL SHEETS RIGIDLY CONNECTED AND REINFORCED INSIDE WITH CONTINOUS VERTICAL 20 GAUGE STIFFNERS , SPOT WELDED IN POSITION AT NOT MORE THAN 150 MM ON CENTERS SIDE, TOP, BOTTOM EDGES OF SHUTTER SHALL BE OF PRESSED STEEL CHANNELS OF 1.2 MM THICK, INCLUDING ALL FITTINGS LIKE TOWER BOLTS, STOPPERS, ALDROPS, HANDLE ETC. AND PAINTING WITH MINIMUM 2 COATS OF SYNTHETIC ENAMEL PAINT OF PRIMER COMPLETE.	3	M2			
17	MANUFACTURE, SUPPLY 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					
	i) STEEL WINDOWS	30	M2			

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SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
	ii) STEEL VENTILATORS :-	1	M2			
18	MANUFACTURE, SUPPLY AND FIXING OF MS ROLLING SHUTTERS AS PER I.S. SPECIFICATIONS, COMPLETE, MECHANICALLY OPERATED FROM IN AND OUTSIDE BOTH FOR STORAGE CUM OFFICE SHEDS AS PER DRAWING AND AS INSTRUCTED BY BHEL ENGINEER INCLUDING TWO COATS OF SYNTHETIC ENAMEL PAINTS OVER ONE COAT OF PRIMER	16	M2			
19	PROVIDING AND FIXING IPS FLOORING 40MM/25MM 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.					
	B) IPS FLOORING 25 MM THICK	400	M2			
20	PROVIDING AND PLASTERING WITH CEMENT MORTAR 1:6 OVER INTERNAL 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) INTERNAL PLASTER 12MM THICK	450	M2			
	(II) OUTSIDE PLASTERING 20MM THICK	320	M3			
21	PROVIDING AND MAKING SUNK POINTING IN HORIZONATAL AND VERTICAL GROOVES MADE IN BRICK MASONARY WORK 10 MM WIDE AND 12 MM DEEP IN CM 1:3 WITH AN ADMIXTURE OF 3 5 BY WEIGHT OF CEMENT APPROVED WATER PROOFING COMPOUND COMPLETE IN SUPER STRUCTURE INCLUDING INCLUDING CLEANING OF BRICK WORKS & CURING ETC.	50	M2			
22	PROVIDING AND LAYING GLAZED TILES OF SIZE 150X150X6MM FOR WALL DADO ONLY UPTO A HEIGHT OF 1.5M ABOVE , FROM THE GROUND LEVEL AND SKIRTING IN TOILET BLOCK AND PANTRY RESPECTIVELY OVER A BED OF CEMENT MORTAR 1:3, 12MM THICK INCLUDING POINTING WITH NEAT WHITE CEMENT PASTES.	15	M2			

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PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

Sl.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
23	PROVIDING WHITE 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, LABOURS & SCAFFOLDING ETC.	700	M2			
24	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.			
25	SUPPLYING AT SITE OF WORK, CARRYING, LAYING JOINTING AND FIXING IN POSITION OF INDIAN TYPE WHITE GLAZED VITREOUS CHINA WATER CLOSET PAN OF SIZE 580MM OF APPROVED MAKE AND QUALITY (PARRYWARE OR EQUIVALENT) WITH SUITABLE P OR S TRAP, WHITE GLAZED FOOT REST, SEPARATE FLUSHING CISTERN ARE NOT REQUIRED. SUITABLE FLUSHING DEVICE TO BE MADE THROUGH 50 DIA GI PIPING WITH CONTROL VALVES DIRECTLY CONNECTED TO OVERHEAD TANK AS PER THE INSTRUCTION OF BHEL ENGINEER, CUTTING THE WALL AND FLOOR WHEREVER REQUIRED AND MAKING GOOD ALL DAMAGES AND FINISHING TO MATCH THE EXISTING WORK. COST OF JOINTING MATERIALS, ALL OTHER INCIDENTAL TO CHARGES ETC. COMPLETE. SUPPLYING AND FIXING OF PIPES AND VALVES SHALL BE PAID UNDER THE RESPECTIVE ITEM OF PLUMBERING WORK.	1	NO.			
26	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	1	NO.			
27	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).					

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PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
	A) 15 MM NOMINAL SIZE GM WHEEL VALVE	5	NO.			
	B) 20 MM NOMINAL SIZE GM WHEEL VALVE	2	NO.			
	C) 25 MM NOMINAL SIZE GM WHEEL VALVE	4	NO.			
28	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.	2	NO.			
29	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	2	NO.			
30	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 .	1	NO.			
31	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	1	NO.			
32	SUPPLYING AT SITE OF WORK AND FIXING IN POSITION AND JOINTING OF ASBESTOS CEMENT PIPE WITH CEMENT MORTAR 1:2 AND BITUMASTIC COMPOUND OF FOLLOWING DIAMETER WITH SHOE, BEND, MS CLAMPS, BRACKETS, TEAKWOOD PLUGS, GRATINGS, COWL ETC. COMPLETE AS PER STANDARD					
	A) 100MM DIA AC PIPE WITH ALL FITTINGS	10	RM			

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PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
32	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)	1" DIA GI PIPE LINE WITH ALL SPECIALS	50	RM			
(B)	3/4" DIA GI PIPE LINE WITH ALL SPECIALS	20	RM			
©	1/2" DIA GI PIPE LINE WITH ALL SPECIALS	40	RM			
33	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) 4" (100MM) DIA STONEWARE PIPELINE INCLUDING ALL SPECIALS COMPLETE.	40	RM			
34	SUPPLY AND FIXING IN POSITION PVC WATER OVERHEAD TANK OF SYNTEX OR ANY APPROVED MAKE OF 1M3 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.			

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Sl.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
35	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	2	NO.			
	B) –DO- 600X600X600 WITH C.I. COVER	1	NO.			
36	I) PROVIDING AND FIXING ANODISED ALUMINUM (1M LONG) TOWEL RODS OF GOOD QUALITY IN TOILET BLOCKS & PANTRY	1	NO.			
	II) PROVIDING & FIXING LIQUID SOAP DISPENSER AT ALL THE WASH BASIN LOCATION	1	NO.			
37	PROVIDING NEAT CEMENT FINISH OVER THE FRESHLY LAID PLASTER INSIDE THE SEPTIC TANK.	20	M2			
38	PROVIDING & FIXING IN POSITION AC VENT PIPE OF DIA.100MM (HT.2M) IN SEPTIC TANK	1	NO.			
39	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	NO.			
	TOTAL					

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RATE SCHEDULE

SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
RATE-SCHEDULE SECTION C						
NAME OF THE WORK: ELECTRIFICATION						
1	PROVIDING AND INSTALLING METER BOX COMPLETE WITH THE FOLOWING.					
	A) 100 AMPS 4 POLE AIR CIRCUIT BREAKER WITH BOX. L&T OR EQUV.	1	Set			
	B) 20 AMPS MCB TWO POLE MDS OR EQUV.ALONG WITH BOX	15	Set			
	C) 5 AMPS MCB SINGLE POLE MDS OR EQUV.ALONG WITH BOX	30	Set			
	D) 32 AMPS. MCB 2 POLE,MDS OR EQUV. ALONG WITH THE BOX.	4	Set			
	E) 63 AMPS 3 POLE. MCB (MDS OR EQUV.) ALONG WITH BOX.	6	Set			
	F) 63 AMPS. INDOOR TYPE 3 POLE WELDING SOCKET OF CUTLER HAMMER MAKE OR EQUV.	2	Set			
2	PROVIDING AND INSTALLING WIRING FOR LIGHTS USING 2.5 MM2 COPPER CONDUCTOR OF ISI MAKE THROUGH PVC CASING CAPPING OR CONDUIT WITH ACCESSORIES AND FIXTURES .WIRING SHALL BE CONCEALED TYPE FOR CM'S ROOM,CONFERENC HALL AND COMPUTER ROOM.	20	Per Point			
3	PROVIDING AND INSTALLING WIRING USING 4.0 MM2 COPPER CONDUCTOR OF ISI STANDARD THROUGH PVC CASING CAPPING OR CONDUIT WITH ACCESSORIES AND FIXTURES.WIRING HALL BE CONCEALED TYPE FOR CM'S ROOM, COMPUTER ROOM AND CONFERENCE HALL.	10	Per Point			
4	PROVIDING AND INSTALLING WIRING FOR MAINS USING 6.0 MM2 COPPER CONDUCTOR OF ISI STANDARD EITHER CONCEALED OR IN CASING CAPPING .	10	Per Point			
5	PROVIDING AND INSTALLING WIRING FOR MAINS USING 16.0 MM2 COPPER CONDUCTOR OF ISI MARK EITHER CONCEALED OR IN CASING CAPPING .	3	Per Point			
6	PROVIDING AND INSTALLATION OF WIRING FOR FANS/COOLERS USING 2.5 MM2 COPPER CONDUCTOR OF ISI MARK THROUGH PVC CONDUITS WITH ACCESSORIES AND FIXTURES.	12	Per Point			

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RATE SCHEDULE

Sl.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
7	PROVIDING AND INSTALLATION OF PLUG POINT OF 5A/15A SOCKET (ANCHOR MAKE OR EQUIV.) OUTLET INCLUDING TERMINATION	15	No			
8	PROVIDING AND FIXING ORDINARY TUBELIGHT WITH FRAME OF STANDARD MANUFACTURER LIKE PHILIPS/BAJAJ OR EQUIVALENT AS APPROVED BY BHEL.	40	No			
9	PROVIDING AND FIXING EXHAUST FANS 12" DIAMETER WITH FRAME OF STANDARD MANUFACTURER LIKE CROMPTAN GREEVES OR EQUIVALENT AS APPROVED BY BHEL.	4	No			
10	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.	5	No			
11	PROVIDING AND FIXING METAL CLAD PLUG AND MCB OF 30 AMPS. CROMPTON/MDS MAKE FOR AIR CONDITIONER WITH BOARD ETC COMPLETE.	4	No			
12	PROVIDING AND FIXING CEILING FAN 48" DIAMETER OF APPROVED COMPANY SUCH AS CROMPTON OR EQUIV. AS DIRECTED BY BHEL.	20	No			
13	PROVIDING AND FIXING CALLING BELLS (WITH INDICATOR LIGHT)	4	No			
14	PROVIDING EARTHING PITS WITH 2" DIA., 2M. LONG GI PIPES WITH FLANGE & GI WIRE WITH CHORCOAL & SALT AND AS PER THE STANDARD PRACTICE FOR ELECTRICAL CONNECTION.RATE SHALL BE INCLUSIVE OF ALL MATERIALS,LABOURS,ETC COMPLETE.	2	No			
	TOTAL					

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RATE SCHEDULE

Sl.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
RATE-SCHEDULE SECTION D						
NAME OF THE WORK: CONSTRUCTION OF ROADS, DRAINS, PLATFORMS, OPEN STORAGE YARDS						
SL.NO	DESCRIPTION OF WORK	QTY.	UNIT	RATE		Amount
				IN FIGURE	IN WORD	
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 BHEL	100	CUM			
2	EXCAVATION FOR SIDE DRAINS/DRAINS 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 PROJECT PREMISE.	250	CUM			
3	BACKFILLING WITH EXCAVATED EARTH AROUND THE DRAINS INCLUDING WATERING COMPACTION ETC. COMPLETE	500	CUM			
4	CONSOLIDATION OF SUB-BASE BEFORE PROVIDING STONE SOLING WITH 10-12T POWER ROLLER INCLUDING LEVELLING, WATERING ETC. COMPLETE.	2800	SQM			
5	SUPPLYING & FILLING MURRUM 150MM THICK OVER THE CONSOLIDATED SUB-BASE INCLUDING WATERING COMPACTION WITH POWER ROLLER 10-12 T CAPACITY TO THE REQUIRED DENSITY (95% OF PROCTOR DENSITY - SAMPLE TEST FOR CONSOLIDATION HAS TO BE ARRANGED BY THE CONTRACTOR)	750	CUM			
6	PROVIDING SOLING 230 MM THK WITH 150 -200 MM THICK BOULDER SIZE AND FILLING TH EVOIDS WITH HAND BROKEN METAL OF SIZE 40-60 MM SPREADING MURRUM AND ROLLING AND COMPACTION INCLUDING WATERING, WITH 10-12 MT CAPACITY ROAD ROLLER.	800	CUM			
7	CONSTRUCTION OF BRICK MASONARY DRAINS 40 M LONG AROUND STORAGE COMPLEX WHEREVER REQUIRED WITH WELL BURNT BRICK (STRENGTH 35KG./CM2) WITH 1:6 CEMENTMORTAR AND PLASTERING INNER WALL SURFACE WITH 12 MM PLASTER. (A) BRICK WORK 1:6 CEMENT MORTAR	125	CUM			

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RATE SCHEDULE

SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
	(B) P.C.C 1:4:8 (100 MM THICK)	45	CUM			
	(C) PLASTER 12MM THICK 1:6	500	SQM			
8	PROVIDING 150MM THICK WATER BOUND MACADAM (WBM) IN TWO LAYERS OF EACH 75MM, 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).	2500	SQM			
9	SUPPLYING & FIXING IN POSITION RCC HUME PIPE OF 300 DIA NP2 WHEREVER DRAIN CROSSES THE ROADS INCLUDING ALIGNING,LEVELLING ETC. COMPLETE AS PER THE DIRECTION OF ENGINEER. CONCRETE 1:3:6 FOR ENCASING SHALL BE PAID EXTRA UNDER RESPECTIVE ITEMS OF CONCRETE.	10	RM			
10	PROVIDING AND FIXING BARBED WIRE FENCING AROUND OPEN STORAGE YARD(100 x 120 M)) AS PER DRAWING/AS INSTRUCTED BY BHEL ENGINEER , INCLUDING POSTS OF MS ANGLES 50x50x6MM 2.00 M HIGH ABOVE GROUND AND 450MM	440	RM			
11	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	40	SQM			
12	GENERAL LEVELLING AND GRADING OF OPEN STORAGE YARD BY AVERAGE CUTTING AND FILLING OF 200 MM THK EARTH, FILLING THE DITCHES AFTER UPROOTING THE TREES/ BRUSHES, WATER SPRINKLING AND CONSOLIDATING THE ENTIRE SURFACE BY 10 - 12 T POWER ROLLER AS PER THE DIRECTION OF BHEL	500	SQM			

BHEL-PSWR
T.S: NO: PW/NGP/PUR/HZL-ENB/453
PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

SI.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
13	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 EXACAVATION, 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 :	16	NOS			
	I) DRILING 20 MM DIA HOLE AT ABOUT 2.5 MTR FROM GROUND LEVEL FOR WIRE LEADS FROM JUNCTION BOX TO LIGHT FIXTURE					
	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					
	II) WELDING REQUIRED 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					

BHEL-PSWR
T.S: NO: PW/NGP/PUR/HZL-ENB/453
PRICE-BID-PART-II(VOLUME-II)
RATE SCHEDULE

Sl.No	DESCRIPTION	QTY	UNIT	RATE		AMOUNT
				IN FIGURE	IN WORD	
14	SUPPLYING, INSTALLATION & COMMISSIONING OF SODIUM VAPOUR LAMP STREET LIGHT FITTING 150 WATT SSG-2314 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.13).	16	NOS			
	TOTAL					

SUMMARY SHEET OF PRICE QUOTED FOR VARIOUS SECTIONS OF WORK FOR HINDUSTAN ZINC LIMITED ,CHITTORGARH, RAJASTHAN		
Sl. No.	Ref. of Rate Schedule	Amount In RS
1	SECTION-A (CIVIL WORKS FOR OFFICE)	
2	SECTION-B (CIVIL WORKS FOR STORAGE SHED)	
3	SECTION-C (ELECTRIFICATION)	
4	SECTION-D (CONSTRUCTION OF ROADS, DRAINS, PLATFORMS, OPEN STORAGE YARDS)	
	TOTAL(A+B+C+D)	
	% REBATE (IF ANY) ON TOTAL QUOTED PRICE	
	NET QUOTED PRICE (TOTAL- REBATE) IN RS	
NET QUOTED PRICE IN WORDS (RS _____) :		