बारवड एल मिन्ना	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIV		R CPU REGENARATION NSER POLISHING UNIT)	
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
100	EARTH WORK IN EXCAVATION, BACKFILLING AND DISPOSAL AS PER SPECIFICATION, DRAWINGS AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
101	Earth work in excavation upto 2m depth below ground level for foundation, trenches, pipe lines, storm water drains etc including setting out, clearing & grubbing, removal of debris, dewatering if required, strutting, shoring/sheet piling if required, dressing the sides, levelling to grade and ramming the bottom, stacking/disposal of surplus excavated material within a lead of 1.0 KM etc complete for all types of soils including ash, laterite, morrum, weathered rock, decomposed rock, soft rock etc which can be excavated by means of crow bar, pick axe, pnuematic rock breaker/chisel attachement with poclain, etc but does not require chiselling or blasting.	сим	1340			
103	Earth work in excavation for depth exceeding 2.0m but not exceeding 4.0m below ground level for foundation, trenches, pipe lines, storm water drains etc including dewatering if required, strutting, shoring/sheet piling if required, dressing the sides, levelling to grade and ramming the bottom, stacking/disposal of surplus excavated material within a lead of 1.0 KM etc complete for all types of soils including ash, laterite, morrum, weathered rock, decomposed rock, soft rock etc which can be excavated by means of crow bar, pick axe,pnuematic rock breaker/chisel attachement with poclain etc but does not require chiselling or blasting.	CUM	480			

बारवर एल मिन्नाम	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIV		R CPU REGENARATION NSER POLISHING UNIT)	
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words)	AMOUNT IN Rs.
105	Earth work in excavation for depth exceeding 4.0m but not exceeding 6.0m below ground level for foundation, trenches, pipe lines, storm water drains etc including dewatering if required, strutting, shoring/sheet piling if required, dressing the sides, levelling to grade and ramming the bottom, stacking/disposal of surplus excavated material within a lead of 1.0 KM etc complete for all types of soils including ash, laterite, morrum, weathered rock, decomposed rock, soft rock etc which can be excavated by means of crow bar, pick axe, pnuematic rock breaker/chisel attachement with poclain etc but does not require chiselling or blasting.	CUM	100			
116	Disposal of surplus excavated earth/rock beyond an initial lead of 1km, dumping and levelling the dumped soil and levelling the area from where the material is transported, complete with all lifts as specified and directed by Engineer.					
,	From initial lead of 1KM & upto 2KM Filling using selected excavated materials (from stock piles) in trenches, plinths, sides of foundations and other underground structures, levelling in layers not exceeding 150 mm thickness within a lead 1KM with all lifts and including re-excavation, loading from stock pile ,carting, unloading, filling, watering and compacting/ramming each layer by manual/ mechanical means in saturated condition all complete as per specifications drawings and as directed by the engineer to achieve 90% max Standard procter density.	СПМ	190 1630			

बारपड एत 	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIV		R CPU REGENARATION NSER POLISHING UNIT)	
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words)	AMOUNT IN Rs.
	Supply and filling sand under floors , in foundation and plinths including cost of sand, transporting for all leads, loading, unloading, spreading in layers in 25cm loose thickness at all depths, watering, compaction with mechanised compaction machine or manually to minimum 80% of relative density, dressing and levelling etc complete including royalty charges.	CUM	121			
	Providing and laying stone soling with specified sizes of approved quality hard rock or hand broken hard metal of sizes ranging from 63mm and down, at all position and depths below or above finished ground floor level, below foundations, below flooring, and for providing hard standing etc in one layer of approximately 225 mm thickness, hand packing, filling in interestices with sand including watering, thoroughly compacting the layer, royalty etc. all complete as per specification and the direction of the Engineer.	CUM	88			
200	PROVIDING AND PLACING CONCRETE WORK INCLUDING COST OF LABOUR, MATERIALS AND EQUIPMENT FOR HANDLING, TRANSPORTATION, BATCHING, MIXING, PLACING, VIBRATING AND CURING, (EXCLUDING COST OF CENTERING, SHUTTERING AND REINFORCEMENT), ROYALTY FOR AGGREGATES ETC. COMPLETE AT ALL ELEVATIONS AS PER DRAWING, SPECIFICATIONS UNLESS SPECIFIED OTHERWISE AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:					
202	Plain Cement Concrete of grade M15 as levelling course, filling, under water retaining structures, equipment foundations, under foundations/floors etc all complete.		10			
202a	Plain Cement Concrete of grade M10 as levelling course, filling, under water retaining structures, equipment foundations, under foundations/floors etc all complete.	CUM	10			
203	Plain Cement Concrete of grade 1:2:4 as plinth protection, etc all complete. (100 mm thik)	CUM	10			

बारवड एल मिश्रास	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIV		R CPU REGENARATION NSER POLISHING UNIT)	
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
205	Concrete of grade M-30 conforming to IS:456 with coarse sand and graded hard stone aggregate 20mm nominal size for foundations/ superstructure at all depths/heights from finished floor level at any level, shape, position or thickness complete including use of plasticizer/ superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete. Rate shall be inclusive of all labour, materials, mixing, batching, scaffolding, curing & testing etc. as per standard specification, drawing & instruction of Engineer	сим	434			
211	Concrete of grade M-25 conforming to IS:456 with coarse sand and graded hard stone aggregate 20mm nominal size in precast works like trench covers etc including formwork/moulds for thicknesses varying from 50mm to 250mm including transportation, erection, fixing in position at all elevations and use of plasticizer wherever required all complete excluding the cost of reinforcement.	CUM	20			
212	Plain Cement Concrete of grade 1:3:6 under foundations, trenches, underground structures etc. all complete.	CUM	90			
213	Concrete of Grade M-20 conforming to IS:456 with coarse sand and graded hard stone aggregate 20mm nominal size in paving, underfloor, etc complete.		90			
300	SUPPLYING, FIXING AND REMOVING FORMWORK AT ANY ELEVATION INCLUDING ALL LABOUR, MATERIAL, SCAFFOLDING COMPLETE INCLUDING POCKETS ETC. AS PER SPECIFICATIONS AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:					

बारवर एल मिन्नाम	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
302	Fairface form work (using commercial laminated plywood with adequate steel/wooden frame) below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc for exposed concrete works.	2011	390			
303	Ordinary form work (reasonably good steel/ plywood surface) below/above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, domes, arches etc for all heights.		10			
304	Fairface form work (using commercial laminated plywood with adequate steel/wooden frame) above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, domes, arches etc for all heights.	SQM	990			
400	REINFORCEMENTS					
402	Taking delivery from BHEL Stores/Store yard, loading transporting to work site, unloading, Straightening, cutting, bending, placing in position at any level, binding in position of tor steel reinforcements confirming of grade Fe-500 confirming to IS:1786 including cost of binding wire, labour complete all as per specifications, drawings and as directed by Engineer. Note:- TMT rebars (reinforcement steel) shall be provided by BHEL at free of cost and agency has to draw and transport from BHEL stores/storage yard and return excess materials & waste materials to BHEL stores/storage yard as per Engineers's Instruction including all T&Ps and labours etc. complete.	МТ	55			
500	WATER PROOFING AS PER SPECIFICATIONS.					
501	Providing and mixing approved water proofing compound at the rate of (8Kg/cum) in concrete or cement mortar for works wherever specified or directed as per specification/ manufacturer's instructions, testing of samples for water proofing etc complete.	KG	50			

बारवड एल मि सि	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words)	AMOUNT IN Rs.
	Providing and laying 75 thick foam concrete block insulation over roofs including minimum 15 mm cement sand plaster 1:4 fished smooth over foam concrete and providing of expansion joints at intervals as per the recommendation of manufacturer. Thermal conductivity of the concrete shall not exceed 0.125 KCL/Sqmh degree C and weight shall be from 0.3 to 0.5 gm/cu.cm, all complete with fillets as per specification.	SQM	572			
507a	Providing and applying a high solid content liquid (Polyurethane based elastomeric water proofing membrane) with separate wearing course as per ASTM C - 898/Equivalanet IS Codes. Thickness of the membrane shall be 1.5 mm(in two coats) This treatment shall include application of polymerised mastic over the roof to achieve smooth surface and primer coat. Wearing course on the top of membrane shall consist of 25 mm thick PCC (M-15) cast in panels of maximum 1.2.xl .2m size and reinforced with 0.55 mm dia. galvanised chicken wire mesh and sealing of joints using sealing compound/elastomeric water proofing membrane. wearing course shall be paid separately under relevant items.	SQM	572			
	Providing & placing wearing course on the top of water proofing membrane consisting of 25 mm thick PCC (M-15) cast in panels of maximum 1.2.xl .2m size and reinforced with 0.55 mm dia. galvanised chicken wire mesh and sealing of joints using sealing compound/elastomeric water proofing membrane .	SQM	572			
508	Providing and placing screed concrete 1:2:4 conforming to IS 456 with coarse sand and graded hard stone aggregate 12.5mm/6 mm nominal size on the roof at any level or thickness to maintain the slope of 1:100 Min.		60			
511	Providing Anti termite chemical treatment of soil with Chloropyrifos emulsifiable concentrates (1%) conforming to IS:8944	SQM	395			
	Supplying & installation of premoulded joint filler in between equipment foundations, mat foundations, pile caps, walls, basement slabs etc. complete including labour, equipment and materials, sealing of joints including cost of sealing compound (Polysulfide base sealant as per is:12118) etc. complete as per specifications and drawings or as directed by Engineer for the following:					
	0 of 14				SIGN OF BIDDE	R WITHSEAL

बारवर एत मि//ध	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
601a	6mm thick joints.	SQM	10			
603	25mm thick joints.	SQM	40			
700	M.S.EMBEDMENTS					
701	Supply, fabricating and fixing of embedments, MS inserts, pipe sleeves, guide rails, angle pieces, corner angles, monorails, rungs of various diameters, plates of dimensions as required including cost of all labour, materials and equipment, transportation, loading, unloading, handling, welding, cutting, drilling, scaffolding and setting complete as per specifications, drawings and as directed by Engineer.	MT	1			
900	DOORS, WINDOWS, VENTILATORS, LOUVERS, ROOF VENTILATORS, ROLLING SHUTTERS, PARTITIONS ETC. COMPLETE INCLUDING FRAMING, KICK PLATES, STOPPERS AS PER SPECIFICATION, DRAWINGS AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
901	Providing and fixing Heavy Duty PVC doors of Syntex or approved equivalent make as per specification including of all fixtures and fittings as instructed by engineer incharge all complete.		3			
	Providing and fixing steel windows/ventilators of fixed type with steel sections as per IS:1038, IS:1361 & IS:7452 latest revision including glazing. Glazing shall be of 6.0mm thk. toughened safety glass panes including all fittings, metal beadings, hold fasts, primer painting as per specification all complete.	SQM	42			
903	Providing and fixing steel openable windows/ventilators with steel sections as per IS:1038, IS:1361 & IS:7452 latest revision including glazing. Glazing shall be of 4.0mm thick float glass panes including all fittings, metal beadings, hold fasts, primer painting as per specification all complete.	0014	4			

ता एवड एल 	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
	Providing and fixing anodised extruded aluminium doors (single or double shutter) conforming to IS1948,IS1949 fabricated from extruded sections of INDAL or equivalent make having minimum 3mmwall thickness as per IS 1285,IS733 and electro colour coating of minimum 15 micron thickness.Glazing shall be clear flot glass of 6.00mm thickness. Rate shall be inclusive of Glazing & frame	SQM	8			
916	Providing and fixing in position rolling shutter of hot rolled double dipped galvanised steel lath section of 18 SWG tested mild steel strips at 75 mm rolling centres interlocked together through their entire length and joined together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangement for inside and outside locking with push and pull operation including wire springs top cover.					
(A)	Hand Operated	SQM	6			
(B)	Mechanically Operated (gear box operation type)	SQM	45			
1000	BRICKWORK MASONRY INCLUDING SUPPLY OF MATERIAL, COST OF LABOUR, SCAFFOLDING ETC. COMPLETE AS PER SPECIFICATIONS, DRAWING AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
1001	Providing brick work in cement mortar 1:6 (1 part cement: 6 parts coarse sand) in walls, chambers in varying thickness from 230mm to 460mm at all depths, places and positions below plinth including raking out joints, curing, scaffolding etc. all complete excluding plastering and painting.					
	I) Using fly ash lime bricks confirming to IS 12894 with crushing strength of 50kg/cm2.	СПМ	5			
1002	Providing brick work in cement mortar 1:6 (1 cement : 6 coarse sand) in walls, chambers etc. at all heights, in thickness 230mm at all heights, places and position above plinth including raking out joints, curing, scaffolding etc complete excluding plastering and painting.					
	I) Using fly ash lime bricks confirming to IS 12894 with crushing strength of 50kg/cm2.	CUM	170			

वारपड एल मिश्रीस	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
1003	Providing brick work in cement mortar 1:4 (1 cement : 4 coarse sand) in partition walls, chambers etc. in thickness 115mm at all heights, places and position above or below plinth/graded level including providing 2 Nos. 6mm dia. bar at every third layer, raking out joints, curing, scaffolding etc. all complete using fly ask lime conforming to IS 12894 with crushing strength of 7kg/cm2 and clay ash bricks as per IS 13757, minimum percentage of fly ash shall be 25%, excluding plastering as per specification.					
	I) Using fly ash lime bricks confirming to IS 12894 with crushing strength of 50kg/cm2.	SQM	30			
1007	Dismantling existing brick work at all level including stacking and removing the debris within a lead of 1Km., including transportation, loading, unloading, etc all complete and as directed by Engineer.	CUM	10			
1100	PROVIDING AND LAYING DAMP PROOF COURSE INCLUDING ALL MATERIALS, LABOUR, SHUTTERING, CENTERING, CURING ETC., COMPLETE WITH THICKNESS AS SPECIFIED/SHOWN ON DRAWINGS OR AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
1101	Providing and laying damp Proof Course 50mm thick 1:1.5:3 concrete (10mm and down graded aggregate) with 2% of approved admixture of water proofing compound. Two layers of hot bitumen coating 85/25 grade as per IS:702 @ 1.7Kg./sqm shall be applied before & after the DPC as per specification.	SQM	40			
1200	CEMENT MORTAR PLASTER INCLUDING MAKING GROOVES WHEREVER REQUIRED, ALL MATERIALS, SCAFFOLDING, CURING ETC. COMPLETE AS PER SPECIFICATION, DRAWING AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
1201	Providing 18mm thick plaster in two layers outside the building/boundary wall in cement mortar 1:6 (First layer being 12mm thick and second layer 6mm thick) on walls, finished to a smooth finish as per specification including providing 3mmx3mm size grooves at junctions of two dissimilar materials.		890			

बारपड एल मानुस	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
1202	Providing 12mm thick plaster in two layers inside the building/boundary wall in cement mortar 1:4 on walls finished to a smooth finish as per specification.		722			
1203	Providing 6mm thick plaster on ceiling/Concrete surface in cement mortar 1:3 finished to a smooth as per specification.	SQM	572			
1204	Proviing drip course of size 25 mm dia. in cement mortar 1:4 as per specifications	RMT	25			
1300	PROVIDING FINISHES, PAINTING TO CONCRETE, PLASTERED SURFACES, SURFACE PREPARATION INCLUDING ALL MATERIALS, LABOUR, SCAFFOLDING ETC. ALL COMPLETE AS PER SPECIFICATION, DRAWING AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
1301	Providing and applying two or more coats of white washing with lime to give an even shade on ceiling including a priming coat complete.	SQM	2208			
1303	Providing and applying two or more coats of distempering with oil bound washable distemper as per IS:428 of approved brand and manufacture to give an even shade including a priming coat with distemper primer over minimum 2mm thick P.O.P. punning complete. Rate shall be inclusive of 2mm thick P.O.P.	SQM	188			
1305	Providing and applying two coats of Acrylic emulsion paint of approved brand and manufacture to give an even shade over 3mm thick plaster of paris punning, one coat of solvent thinnable cement primer of approved shade & quality of Berger make complete as per specifications. 3mm thick plaster of paris punning shall be paid separately under item no. 1310	SQM	10			
1310	Providing and applying 3mm thick plaster of paris punning on walls including preparation of surface, staging, etc. to achieve a smooth even surface all complete as per specification and as directed by Engineer.		2310			

तास्यङ एल मिश्रीस	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words)	AMOUNT IN Rs.
1311	Providing and applying ready made Epoxy Paint over areas other than steel structure which includes concrete surface with suitable pigments of approved shade as per specification and direction of Engineer. The epoxy paint shall be a two pack material and shall be resistant to water, splash, spillage & acidic environment. The epoxy paint coating shall be of 150micron thickness over epoxy primer.	SOM	25			
1311a	Providing and coating for footing by polyamine cured epoxy as per specification or equivalent having DFT of 125-250 microns over and above the first coat which shall be 125-250 microns with a complete DFT of 250-500 microns for foundation above grade and 400-500 microns for foundation below grade.	SQM	1105			
1312	Providing & painting all plain plastered /concrete surfaces with textured paint of approved colour of SANDTAX mat or Equivalent of required shade as directed by Engineer-in-charge.		50			
	Providing and applying on all embosed plastered/concrete surface with 2 or more coats of exterior Granular/textured finish (vineratex) paint of approved make and colour with a combination of resin bonded granular finish at all heights including material, labour, scaffolding, curing etc complete as per specification and as directed by Engineer-in-charge	SQM	210			
1400	FLOORING AND SKIRTING INCLUDING BASE LAYER AND ALL MATERIALS, LABOUR, CURING, POLISHING ETC. COMPLETE IN ALL RESPECTS AS SHOWN ON DRAWINGS, DESCRIBED IN SPECIFICATIONS AND AS DIRECTED BY ENGINEER FOR THE FOLLOWING:-					
1400a	Decorative Coloured 5 mm thick ceramic tiles up to 2.10m height with border tiles in toilets/canteen and 450 mm height over platform	SQM	15			
	Providing and laying 50 mm thick heavy duty cement concrete flooring using cement concrete mix 1:2:4 (1 part cement, 2 parts sand and 4 parts stone chips 12.5 mm well graded).		10			

बीएवड एल मि//हरि	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))			
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
1401 d	Providing and laying 50 mm thick heavy duty cement concrete flooring with metallic hardener pigmented topping using 12 mm thick uniform graded treated iron particles in flooring. Under layer of 38mm thick cement concrete mix 1:2:4 (1 part cement, 2 parts sand and 4 parts stone chips 12.5 mm well graded) including material such as glass strips for partion etc all complete	SQM	10			
1401 f	Providing and fixing 20mm thick Acid / Alkali resistant vitreous tile lining confirming to IS:4457 in flooring/Dado and shall be laid over over bitumastic lining of minimum 12mm thick (to be laid in layers of 6mm each). The tiles shall be applied with 6mm thick Potassium Silicate bedding mortar as per IS:4441 & 4443 including preparation of surface, application of bitumen primer, curing etc all complete as per specification and direction of Engineer. Min. size of tiles shall be 100x200mm. (Tiles shall be 25mm for floor & 20mm for dado)	SQM	526			
1421	Providing and laying Heavy Duty dust pressed Ceramic Tiles Mat Finish of size 300x300x7mm thick of reputed manufacturer of approved finish shade and colour including mortar underbed of 1:4 of min. thickness 30mm with cement slurry etc. complete	SOM.	76			
1422	Providing and laying Heavy Duty dust pressed Ceramic Tiles Mat Finish of size 600x600x10mm thick of reputed manufacturer of approved finish shade and colour including mortar underbed of 1:4 of min. thickness 30mm with cement slurry etc. complete.	SOM.	10			
1417	Providing and laying 7 mm thk ceramic tiles of mat finish variety of size 300x300 from reputed manufacturer, for skirting and dado up to specified height complete as per specification including 12mm thick cement mortar bedding 1:4 all complete.		5			
1700	PROVIDING AND FIXING RAIN WATER DOWN TAKE PIPES INCLUDING 2 COATS OF APPROVED PAINT OVER A PRIMARY COAT, ALL SPECIALS AND ACCESSORIES ETC. COMPLETE AS PER SPECIFICATION.					
1702	Providing rain water down take pipes of 150mm dia carbon steel conforming ASTM A53 grade B as per specifications and encasing with M30 grade concrete including placing and fixing of reinforcement at all levels all complete and as directed by engineer- in- charge	RM	40		SIGN OF BIDDE	-D WITHSEAT

बारपड एल मिश्राहर	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDING (CONDENSER POLISHING UNIT))				
ST. NO	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words)	AMOUNT IN Rs.	
1703	UPVC down take pipes of 150mm dia as per specifications	RM	40				
1800	MISCELLANEOUS						
1801	Providing and fixing PVC water stops - 225/230mm wide	RM	100				
1803	Providing and fixing perforated bitumin impengrated fiber board (IS 838) in expantion joints in grade slab complete as per specification	SQM	121				
1811	Taking delivery of matrials from BHEL Stores/store yard, loading, transportation to work site, unloading, Laying of earthing mats/rods including cutting to length, welding and applying two coats of red oxide paint over welded portion etc complete as per specification and as directed by Engineer. Note:- Earthing rods shall be provided by BHEL at free of cost). Agencies are requested to quote as per item description only. Earthwork excavation shall be paid separately under item no. 101	МТ	1				
1813	Designing, providing and fixing of Heavy duty galvanised friction anchor fasteners of Hilti/Equivalent make of dia. 16mm and appropriate length in concrete (minimum grade M30) to take direct tension of minimum 1.8Mton including anchor fastener, materials, equipment, labour, scaffolding complete as per direction of Engineer.	Each	10				
1814	Designing, providing and fixing of Heavy duty galvanised friction anchor fasteners of Hilti/Equivalent make of dia. 20mm and appropriate length in concrete (minimum grade M30) to take direct tension of minimum 2.5Mton including anchor fastener, materials, equipment, labour, scaffolding complete as per direction of Engineer.	Each	10				
1815	Designing, providing and fixing of Heavy duty galvanised chemical anchor fasteners of Hilti/Equivalent make of dia. 12mm and appropriate length in concrete (minimum grade M30) to take direct tension of minimum 1.0Mton including anchor fastener, materials, equipment, labour, scaffolding complete as per direction of Engineer.	Each	10				

बी एवं ई एत मिश्रीम	2X250 MW TPS - BHILAI EXPANSION	TITLE :-	(CIVIL WORKS FOR CPU REGENARATION BUILDIN (CONDENSER POLISHING UNIT))			
	Rate Schedule for 2x250MW Bhillai Exp. TPS for Balance of Plant Package:- CPU Regeneration Building	UNIT	QUANTITY	RATE IN Rs(In Fig)	RATE IN Rs (In Words	AMOUNT IN Rs.
	Designing, providing and fixing of Heavy duty galvanised chemical anchor fasteners of Hilti/Equivalent make of dia. 16mm and appropriate length in concrete (minimum grade M30) to take direct tension of minimum 1.6Mton including anchor fastener, materials, equipment, labour, scaffolding complete as per direction of Engineer.	Each	10			
	Supply, fabrication and erection of miscellaneous structures like edge protection angles, frames and gauge ladders made of MS bars & rolled section at various location & elevation of the CPU building.		1.5			
	Total Of All Above Items in RS					
	Total Of All Above Items in Words (RS					