

PRICE BID

Proposed Construction of foundation for Cooling Tower at Ground Level SBI GITC,Belapur

General Instruction	<p>1 The tenderer shall inspect the site before quoting the rates.</p> <p>2 Rate to be inclusive of all lead, lifts, levels, heights, cantilever, extensions from walls, etc.</p> <p>3 All doors, windows, furniture, glass surfaces, etc. to be covered and tied with plastic sheet / 4 mm ply as per site requirements. All surfaces to be cleaned after completion of work.</p> <p>4 All debris, broken material, etc. at site to be carted away and disposed off as per NMMC guidelines.</p> <p>5 Covering of steps, landing, railing etc. and to be cleaned & polished after completion of work.</p> <p>6 The rates are to be inclusive of all enabling works, scaffoldings, shutterings, etc.</p> <p>7 All safety norms to be followed. The use of safety belts, helmets, safety shoes, etc. is a must.</p> <p>8. While carrying out the work, take necessary safety precautions for vehicle movements and pedestrians on the adjacent road. Provide safety barricates during execution of work.</p> <p>9. There should be no spill over of material & its storage on road and podium slab.</p>
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Sr. No	Civil Work	Item Description	Unit	Quantity	Rate	Amount
1	Dismantling of Pipe	Dismantling C.I., UPVC and asbestos vent pipes and shaft, soil, waste, rain water pipe, mild steel, GI and asbestos gutters, ridge and hips with fittings and clamps including stacking the material within 50 metres lead 100 mm dia pipe at all levels, lead & lifts.	Rmt	34.00		
2	Excavation	Excavation for foundation, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in soft/disintegrated rock, sand stone, stiff clay, gravel, cobblestone, hard laterite, water bound macadam, wet mix macadam, asphalt mix carpet of any type, pitching, soling, paths and hardcore, lime concrete, plain cement concrete, stone masonry and all types of brick/block masonry below ground level, rock boulders, etc. for depths/ lifts upto required depth measured from the ground level, including dressing/ trimming the sides, leveling of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking in measurable heaps for future use within owners space or disposing within an initial lead of 150 m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any	Cum	115.00		
3	Rubble Soling	Providing & Laying dry stone Rubble Soling with average 230 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any)	Cum	4.00		
4	PCC	Providing and laying in position plain cement concrete of specified grade cement with trap/granite/quartzite/gneiss metal mixing in concrete mixer including bailing out water, compacting, finishing surface, curing and including the cost of centering and shuttering at all level :Nominal Mix of 1:1.5:3 (1 cement OPC: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	1.20		

Date-

Signature and stamp of the contractor

5	Reinforced cement concrete	Providing and laying in position Ready mixed Concret of M-35 Design Mix from reputed supplier for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item.The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item.(Note :- Cement content considered in this item is @ 340 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications. (Rates also includes Cube and material testing as per IS Code provisions)	Cum	22.00		
6	Structural steel	Providing, detailing, fabricating and fixing at desired location using hot rolled sections and MS Plates of grade Fe 250 as per specifications and approved fabrication drawings, transporting to site and erecting structural steel members for all heights & at all levels including provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary fixtures and operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding and removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge. (The qty. for this item shall be measured for gusset plates, base plates, bolts in M.T.)	MT	8.10		
7	Reinforced Steel	Providing and fixing in position steel bars reinforcement of Grades Fe500 of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardijs, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules,including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels, lead and lifts.	MT	2.00		
8	Brickwork for side water drain	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in Cement mortar 1:3 (1 cement : 3 coarse sand)	Cum	4.00		
9	Plaster	Providing and applying 25 mm thick (average) sand faced cement rough cast plaster upto 10m from ground level and at all locations in cement mortar 1:4 in two coats for masonry (except stone masonry) and concrete surfaces including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge	Sqm	31.50		

10	Sub Base	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader/ Paver on prepared surface and compacting with vibratory roller to achieve the desired density, complete as per clause 401 -- Plant Mix Method and Grading - I Material.	Cum	13.50		
11	Base course	Cement Treated Crushed Rock or combination as per clause 403.2 and table 400.4 in Sub base/ Base -- Providing, laying and spreading Material on a prepared sub grade, adding the designed quantity of cement to the spread Material, mixing in place with rotavator, grading with the motor grader and compacting with the road roller at OMC to achieve the desired unconfined compressive strength and to form a layer of sub- base/base course.	Cum	13.50		
12	BITUMINOUS MACADAM	BITUMINOUS MACADAM: Proving and laying bituminous macadam using crushed aggregates of Grading 1, premixed with bituminous binder, transported to site with VTS , laid over a previously prepared surface, finished to the required grade, level, alignment, and rolling to achieve the desired compaction for 80/100 mm compacted thickness with 3.3 % using specified grade of Bitumen. -- USING Batch mix type hot mix plant with SCADA, Sensor Paver, vibratory roller.(VG-30 bulk bitumen rates are considered to arrive at rates)	Cum	6.75		
13	seal coat	Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of specified grade preparing existing road surface, heating and applying bitumen @ 0.98 KgSqm. by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT. etc. complete. (VG-30 bulk bitumen rates are considered to arrive at rates)	Sqm	80.00		
14	RCC jali	Cement Concrete Jali 40 mm thick for side water drain	Sqm	8.00		
15	Kerb Stone	Providing and casting in situ or precast tapering R.C.C. M-20 Barrier type Kerb without gutter (as per IRC 86 1983) embedded 125mm below ground level over M-10 PCC finished neatly with C.M. 1:2, setting the same in C.M. 1:2, including the required excavation in any strata and removing the excavated stuff any where in city and redoing the surface as specified and directed by Engineering In-charge.	Rmt	20.00		
16	Temporary plumbing	Providing PVC Pipe of 100 MM dia for temporary connection to waste water line	Rmt	50.00		
17	CI pipe	Providing and fixing 150 mm soil, waste and vent pipes.Sand cast iron S&S pipe as per IS: 1729.	Rmt	20.00		
18	CI pipe	Providing and fixing upto 100 mm soil, waste and vent pipes.Sand cast iron S&S pipe as per IS: 1729.	Rmt	40.00		
19	Painting	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete. Note:- No extra cost will be paid for additional coat for the purpose of finishing of surface if required. Asian/Nerolac/Berger/Dulux	Sqm	250.00		
20	Debris	Site cleaning	per truck	2.00		
TOTAL						

GST payable extra as applicable

Date-

Signature and stamp of the contractor