

PRICE BID FORMAT

Name of Work :Fencing works with gate & PEB (Inverter room building), Transformers Foundation and other associated civil works for Development of P4 Block of NTPC 50 MW Solar Photo Voltaic Project(s) at MP

S.NO	DESCRIPTION	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (Rs)
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.(DSR:2.31)	100sqm	100	0.17	
2	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material:Beyond 30 cm girth upto and including 60 cm girth (DSR:2.33.1)	each	100	0.05	
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil(DSR: 2.6.1)	cum	4420.47	2.01	
4	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed as per direction of Engineer-in -charge. Ordinary rock(DSR:2.7.1)	cum	900	0.63	
5	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed as per direction of Engineer-in -charge. Hard rock (Blasting prohibited)(DSR:2.7.3)	cum	50	0.06	
6	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials. All kinds of soil (DSR:2.26.1)	cum	50	0.01	
7	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials. Ordinary or hard rock (DSR:2.26.2)	cum	50	0.01	
8	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.(DSR:2.25)	cum	2675.28	0.79	

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9	Supplying and filling sand upto any depth under floors, around foundations, plinths etc. in layers not exceeding 250 mm thickness and compacted so as to achieve at least 80% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means, dressing, royalty (if any) etc. all complete.	cum	210.00	0.49	
10	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand).(DSR:7.1.1)	cum	100	1.08	
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).(DSR:4.1.5)	cum	822.38	11.63	
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) (DSR:4.1.3)	cum	150	2.38	
13	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level Like fencing footing etc : 1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size).(DSR:4.1.2)(OR DESIGN MIX AS PER APPROVAL)	cum	377.02	6.50	
14	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and 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. All works upto plinth level.(DSR:5.33.1)	cum	383	7.06	
15	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete.(DS:4.3.1)	sqm	7030	4.12	
16	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers.(DSR:4.3.3)	sqm	605	0.78	

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S.NO	DESCRIPTION	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (Rs)
17	Steel reinforcement for R.C.C. work including straightening, cutting, bending, binding wire, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars.(DSR:5.22.6)	kg	37000	8.13	Not fill any price here, this will be filled populated based on total quoted Price
18	Supply, fabricating and fixing of mild steel embedments, inserts, pipe sleeves, angle pieces, rungs of various diameters, plates of dimensions as required etc. including welding, bolting, cutting, drilling, scaffolding, setting etc. all complete.	MT	3.67	1.00	
19	Supplying, fabricating, erecting and installing following items in concrete/brickwall for all kind of works, including setting material in concrete, layout, scaffolding, cutting, forming, grinding, drilling, bolting, welding, jointing, testing etc. all complete.				
	PVC pipes / conduits of all diameters	Quintal	1	0.07	
20	Brick work with common burnt clay F.P.S.bricks of class designation 7.5 in superstructure above plinth level up to floor V level including scaffolding etc, in all shapes and sizes in Cement mortar 1:5 (1 cement : 5 coarse sand)	cum	20	0.27	
21	Brick work with common burnt clay F.P.S. bricks of class designation 7.5 in foundation and plinth including scaffolding etc,in:Cement mortar 1:5 (1 cement : 5 coarse sand)	cum	20	0.24	
22	Half brick masonry with common burnt clay F.P.S. bricks of class designation 7.5 in superstructure above plinth level up to floor V level including scaffolding etc,Cement mortar 1:4 (1 cement :4 coarse sand)	sqm	460	0.81	
23	Providing and laying 75mm thick compacted bed of dry brick aggregate of 40mm thick nominal size including spreading, well ramming, consolidating and grouting with sand including finishing smooth etc. complete as per direction of Engineer-in-charge.(DSR:16.64)	sqm	40	0.01	
24	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).(DSR:13.11)	sqm	360	0.23	
25	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)(DSR:13.1.2)	sqm	2500	0.99	
26	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including water thinnable priming coat with cement primer.(DSR:13.41.1)	sqm	360	0.08	
27	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm).(DSR:13.46.1)	sqm	360	0.09	

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S.NO	DESCRIPTION	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (Rs)
28	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, .hardening compound mixed @ 2 litre per 50kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.(DSR:11.4)	sqm	900	1.33	
29	Providing and fixing UPVC down take pipes of 160mm diameter- Class 3 as per IS:4985 all complete.	RM	650.00	2.12	
30	Supply and fixing of hot dip galvanised mild steel posts for fencing. Rate of zinc coating shall not be less than 710 g/m2 on steel posts.	MT	53.94	20.22	
31	Supply, Fabrication and erection of Structural steel work any kind of section riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete: For fencing post, grill work, gate, hinges, aldrops, guide track, castor wheel, lock and latch and any similar kind of works etc	MT	15.00	3.30	
32	Providing and fixing G.I chain link fencing with mesh size 75x75 mm and of minimum 4 mm diameter. The chain link fencing material requirement shall confirm to IS: 2721. The chain link fence fabric shall have zinc coating of type heavy as given in IS 4826. The G.I. chain link wire mesh will be stretched and attached by clips to 3 strands of High Tensile Spring Steel (HTSS) wire of 4 mmdia interwoven in chain link wire mesh and kept under tension which in turn are attached to the fence post with security nuts and bolts. On every fourth post a clamping strip (U bolt 3 nos to hold HTSS wire) will be threaded through the links of chain link and bolted to the fence post with the help of security nuts and bolts. On each post 3 nos GI plate shall be provided with nut & bolt to support chainlink fencing. All nuts, fasteners, bolts, clamping strips, clamps, clips, etc. shall be galvanised. IS 4826 (PLEASE REFRE ATTACHED DRAWING)	sqm	9430	17.31	
33	Providing and fixing GI: Galvanized reinforced twisted barbed wire/tape with double edge profile, twisted around minimum 2.5mm (minimum) galvanized bare wire, between the half Y steel posts fitted and fixed with G.I. staples, turn buckles etc. complete IS 278, at all height and level (PLEASE REFRE ATTACHED DRAWING)	meter	15300	0.72	

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S.NO	DESCRIPTION	UNIT	QTY	WEIGHTAGE RATE IN PERCENTAGE (%)	AMOUNT (Rs)
34	Providing, laying light duty non pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc all complete for following.				
a	1200mm dia	RM	15.00	0.14	
b	600mm dia	RM	20.00	0.22	
c	900mm dia	RM	20.00	0.42	
35	Supply, Fabrication and erection, Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete: including chequered plate, stiffner plate etc(DSR:10.2)	kg	18000	4.21	
36	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.(DSR:13.61.1)	sqm	940	0.18	
37	Providing and fixing bolts including nuts and washers complete.(DSR:10.20)	kg	500	0.15	
TOTAL AMOUNT Fencing with Gate &PEBs (Inverter room bulding), Transformer Foundation and other associated civil works				100.00	

Note:

- 1 Bidder Should Fill Total Amount only
- 2 Bidder need not fill any value in amount column,unit prices shall be worked out from the total price as per the percentage given in each item.
- 3 Evaluation Shall be based on total amount.
- 4 Major works involves in this tender are
 - 4.1 Apprx 5.5 Km length of Fencing
 - 4.2 10 nos of PEB (Inverter room) 40 nos of Transformer and 10 nos of Out door breaker foundation works
 - 4.3 356 nos of Earth Pits.
- 5 L1 will be given 6 nos of PEB (Inverter Room) 24 nos of Transformer , and 6 nos of out door breaker foundation works and length of fencing works will be 3.3 Km
- 6 Break up works for L1 and L2 will be awarded in the ratio of 60:40 respectively for above mentioned major works and all associated works as per scope defined in TCC
- 7 Indicative area for L1 and L2 shown in drawing (Attached with TCC, Annexure -II)