

Price Bid Format

(Volume II of NIT)

Name of Work: "Construction of Power Export Sub-Station Building (PESS), Transformer foundation, PCSS Foundation, Civil Works for Switchyard & Security room, Supply and E&C of Illumination System in PESS, and E&C of Fire Alarm System in PESS" for 1x65MW of Solar PV plant of NLC at Neyveli, Cuddalore District, Tamilnadu.

S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
1	Earth work in excavation over areas (Exceeding 30 cm in depth, 1.50 mtrs in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 mtrs and lift upto 1.5 mtr, disposed earth to be levelled and neatly dressed in all type of soil as per the directions of Engineer In charge.	Cum	2396.42	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	0.790541	
2	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	CUM	296			0.028574	
3	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 in Ordinary rock	Cum	20			0.009525	
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 earth work in hard rock (blasting prohibited)	Cum	10			0.009525	
5	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc., in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering, lead upto 50 mtrs and lift upto 1.50m as per the directions of Engineer In charge	Cum	1437.852			0.304787	
6	Anti termite chemical treatment of soil with Chlorpyriphos/Lindane E.C. 20% with 1% concentration conforming to IS:8944 and as per IS 6313 all complete. (Plinth area of building at ground floor only shall be measured for payment)	sqm	2151			0.476229	
7	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment With Chlorpyriphos/Lindane E.C. 20% with 1% concentration for Control room building & Security room as per IS 6313 - part II by approved agency including the cost of chemical, precautionary measures etc. complete complete as specified by Designer.	sqm	644			0.142869	
8	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).	Cum	369.108			3.771736	
9	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)	Cum	77.6			0.885787	
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size).	Cum	43.5			0.542901	
11	Providing and laying 75mm thick compacted bed of dry brick aggregate of 40mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand including finishing smooth etc. complete as per direction of Engineer-in-charge.	sqm	2151			0.533377	
12	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(RCC footings,septic tank,cable trench, soak pit etc.)	cum	1625.56			21.620812	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
13	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 above plinth level upto floor V level.	cum	176.755			2.590688	
14	Providing ,laying and erecting M25 Design Mix cement concrete as per IS:456 & IS 10262-2009 for reinforced concrete works in precast fence posts with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-incharge, including formwork/moulds, curing, rendering the top exposed surface with cement sand mortar (1:3), including cost of labour, material and machinery, handling, storing, transporting, all leads, erection without damage, and including making of holes for bolts for fixing etc.complete with graded aggregate (20/12.5/10 mm) and as per specification and drawing. (top 0.5m of fencing shall act as anticlimbing device for safety)(goose neck fence post) (cost of reinforcement to be paid separately).	cum	29.705			0.628623	
15	Centering and shuttering including strutting, propping etc., and removal of form for at all heights and levels for Footing, foundations, septic tank, soak pit, bases of columns etc for mass concrete at all height and levels	sqm	3222.16			1.362016	
16	Centering and shuttering including strutting, propping etc. and removal of form for :Columns, pillars, piers, abutments, posts and struts etc., at all height and levels	sqm	363.51			0.333361	
17	Centering and shuttering including strutting, propping etc. and removal of form for :Lintels, Beams, plinth beams, girders, bressumers and cantilevers etc., at all height and levels	sqm	353.51			0.238115	
18	Centering and shuttering including strutting, propping etc. and removal of form for :Roofs, Suspended floors, landings, balconies & access platform etc., at all height and levels	sqm	666			0.523852	
19	Centering and shuttering including strutting, propping etc. and removal of form for :Staircases at all height and levels	sqm	100			0.085721	
20	Providing and laying in position reinforcementfor RCC work including straightening, cutting, bending, placing in position and binding for bars with 16 gauge G I wires welding of reinforcement where required, providing cover to reinforcement all complete in THERMO MECHANICALLY TREATED BARS	Kg	183546.8			28.964268	
21	Providing and constructing 230 mm thick brickwork with bricks of class designation 7.5 at all levels in CM (1:4) including providing necessary staging, scaffolding curing removing the staging and scaffolding, complete work as per direction of Engineer-in-charge at all height and level	Cum	441.5			4.552752	
22	Providing Half brick masonry 115 thick brickwork in CM (1:4) with bricks of class designation 7.5 at all levels including , providing scaffolding curing, removing scaffolding etc., complete work as per direction of Engineer-in-charge. at all height and level	Sqm	560			0.676246	
23	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).with waterproofing compound	Sqm	368.5			0.190492	
24	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) complete work as per direction of Engineer-in-charge.	Cum	10			0.076197	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
25	Preparing the surface with Cleaning & hacking . Providing surface with 12mm Internal Plastering with CM(1:4),for masonry walls & ceilings & applied by hand or mechanically, providing & removing scaffolding at all height and level	Sqm	1680	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	0.561951	
26	Providing surfaces of External walls such other members with plaster of cement mortar 18 mm thickness to get a plain and even surface, with 12mm thick cement plaster of CM(1:5) & finished with a top layer 6mm thick cement plaster(1:6) with water proofing compound with white cement primer all; labour, materials & providing and removing scaffolding complete at all heights and levels as per direction of Engineer-in-charge	Sqm	50			0.019049	
27	Providing surfaces of External walls such other members with plaster of cement mortar 18 mm thickness to get a plain and even surface, with 12mm thick cement plaster of CM(1:4) & finished with a top layer 6mm thick cement plaster(1:5) with water proofing compound with white cement primer all; labour, materials & providing and removing scaffolding complete at all heights and levels as per direction of Engineer-in-charge	sqm	1050			0.485754	
28	Providing surfaces of walls outside periphery of chajja etc., with plaster of CM (1:4) 15 mm average thickness to get a plain and even surface finished with a coat of neat floating cement at all levels including providing and removing scaffolding (outside) as per direction of Engineer-in-charge at all height and level	sqm	200			0.085721	
29	Providing and applying plaster of paris putty of two coats over plastered surface 2mm thickness to prepare the surface even and smooth complete as per direction of Engineer-in-charge. Plaster of Paris conforming to IS:2547 shall be used for punning as per direction of Engineer-in-charge at all height and level	sqm	700			0.152393	
30	White washing with lime to give an even shade:New work (three or more coats) as per direction of Engineer-in-charge at all height and level	sqm	100			0.009525	
31	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 priming coat with cement primer as per direction of Engineer-in-charge at all height and level	sqm	100			0.019049	
32	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces: (two or more coats) (scada room) as per direction of Engineer-in-charge at all height and level	sqm	700			0.142869	
33	Painting of Battery room with Acid/alkali resistant paint(two or more coats) as per direction of Engineer-in-charge at all height and level	Sqm	1150			0.142869	
34	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). at all height and level	sqm	700			0.123820	
35	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make i, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.(In toilet & pantry) as per direction of Engineer-in-charge	Sqm	50			0.123820	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
36	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. as per direction of Engineer-in-charge	Sqm	150			0.276213	
37	Providing & laying Kota stone slabs 20 mm thick in risers of steps, skirting, laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete as per direction of Engineer-in-charge	Sqm	10			0.028574	
38	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.	Sqm	1935			2.066835	
39	Providing and fixing Granite slab table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.	Sqm	10			0.076197	
40	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut Granite Slabs for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. as per direction of Engineer-in-charge	Sqm	40			0.314311	
41	Providing and fixing 10mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in- Charge. In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand). Acid and alkali resistant tile.	sqm	40			0.104770	
42	Providing and fixing 10mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS : 4457 complete as per the direction of Engineer-in- Charge. In dado/skirting on 12 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand).	sqm	40			0.114295	
43	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	sqm	160			0.542901	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
44	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture spintone/cosmos / Hexa or equivalent of size 595 x 595 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38mm made from 0.33 mm thick (minimum) sheet, spaced 1200mm centre to centre, and cross "T" of size 24x28mm made out of 0.33mm (Minimum) sheet, 1200mm long spaced between main'T' at 600mm centre to centre to form a grid of 1200x600mm and secondary cross 'T' of length 600mm and size 24 x28mm made of 0.33mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600mm panel to from grid of size 600x600mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450mm centre to centre with 25mm long dry wall screws @ 230mm interval and laying 15mm thick densified edges calicum silicate ceiling tiles of approved texture (Spintone / Cosmos/hexa) in the grid including, cutting/ making opening for services like diffusers, grills,light fittings, fixtures, smoke detectors etc., wherever required, Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6mm fixed to ceiling with 12.5 mm dia and 50mm long dash fasteners, as per direction of Engineer-in-charge4mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200mm centre to centre along main 'T' , bottom exposed with 24mm of all T-sections shall be pre-painted with polyster baked paint, for all heights, as per	Sqm	100	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	0.400033	
45	Providing and fixing false ceiling, consists of Aluminium frame with 25X1.50mm Aluminium 'T'and 'L'angles suspended from roof and patterned colour coated formed aluminium slats with insulation backingas as directed by engineer-in-charge.	Sqm	30			0.123820	
46	Providing and fixing sign board of 2M x 1.5 M at the entrance of approach road to Solar PV Power Plant at The sign board shall contain brief description of the Power Plant. The Signboard will be made of stainless steel tubular frame with SS steel plate of not less than 3 mm. Necessary SS steel tubular support column with concrete foundation shall be provided. Letters on board shall be designed with proper colour scheme and glowing paint system / arrangement. The design & size of the signboard shall have to be befitting the landscaping planned for the main entrance to power Plant as directed by engineer-in -charge.	each	2			0.447656	
47	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion: Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	400			0.361934	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
48	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	200	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	Bidder need not fill any price here. This will be populated based on total quoted price to the weightage percentage.	0.209541	
49	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge.	kg	200			0.200016	
50	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass PLAIN/ TINTED panes of 4.0 mm thickness	sqm	200			0.371459	
51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness	sqm	100			0.228590	
52	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With glass panes of 6 mm reflective toughened glass, with following minimum technical characteristics: Solar factor 45% or less, U-value less than 5.7 W/SQMK, VLT min 35%. as per IS 1081 and IS 3548.	sqm	20			0.047623	
53	Providing and fixing 10 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	sqm	20			0.228590	
54	Providing and fixing 10 mm thick float glass for door shutter, partitions etc of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper, aluminium work etc. to be paid separately).	sqm	20			0.228590	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
55	Providing and fixing pressed steel door frames conforming to IS: 4351 manufactured from commercial mild steel sheet of 1.60 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.60 mm pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges, 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Fixing with adjustable lugs with split tail end to each jamb as per direction of Engineer-in-charge	meter	48			0.047623	
56	35 mm thick factory made Solid panel PVC Door shutter made out of single piece extruded solid PVC profiles, 5 mm (± 0.2mm) thick, having styles & rails (except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5mm thick solid PVC Lock rail of size 115 mm x 35 mm x 35 mm, out of which 95 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Non decorative finish (matt finish).	Sqm	30			0.200016	
57	Providing and Fixing factory made uPVC door frame made of uPVC extruded sections, of size 65 mm x 55 mm with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be mitred cut and jointed with plastic brackets and stainless steel screws, reinforcing hinge side vertical of the frames with PVC profile of Size 28 mm x 30 mm having wall thickness 2 mm (±0.2 mm), including providing & fixing 3 nos. of 125 mm long stainless steel hinges to the frame, fixing the frame with jamb with required number & size of anchor dash fasteners, all complete as per manufacturer's specification and direction of Engineer-in-charge.	meter	60			0.057148	
58	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) :12 mm thick	Sqm	100			0.123820	
59	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws excluding, panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. Second class teak wood 35 mm thick shutters	sqm	20			0.123820	
60	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	cum	0.5			0.104770	

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
61	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	Nos	10			0.028574	
62	Providing and fixing aluminium I S I marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) ISI marked tower bolts of size 250 X 10 mm size with nuts & screws.	Nos	60			0.009525	
63	Providing and fixing aluminium ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium handles of 125 mm size with nuts & screws etc., all complete.	Nos	60			0.009525	
64	Providing and fixing aluminium I S I marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium hanging floor door stopper of single rubber stopper with screws for fixing stopper.	Nos	40			0.009525	
65	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm	Nos	50			0.019049	
66	Providing and fixing bright finished brass 100 mm mortice latch and lock ISI marked with six levers and a pair of anodized (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles with necessary screws etc complete (best make of approved quality)	Nos	16			0.019049	
67	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x15 mm to receive shutter of 30 mm thickness .The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat . Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	meter	20			0.019049	
68	Providing and fixing to existing door frames. 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	Sqm	10			0.057148	
69	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	Nos	16			0.019049	
70	Providing and fixing vertical venitian blinds of approved colour and brand cost is inclusive of supply of materials, fixing, labour charges, transportation all leads, lifts, taxes etc., complete at all heights and levels.	Sqm	60			0.161918	
71	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: in cable trench, chequered plate, trusses etc	kg	17058			2.876425	
72	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.	Kg	5			0.009525	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
73	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	21200			4.190818	
74	Providing and fixing colour coated galvanised sheet 0.5 mm (0.45-0.50 mm thick) 1100 mm width. Galvanising coating mass 120 GSM coating standard IS :277/JIS 3302. Yield strength 240 Mpa colour . AT ALL HEIGHT AND LEVELS(For walls & roof).as per drawings and direction of Engineer-in-charge of required profile	sqm	108			0.133344	
75	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work. At all height and level	sqm	600			0.085721	
76	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 – part 1 and M.S. top cover of required thickness for rolling shutters. (mechanical gear operated) 18 gauge steel and machine rolled with 75mm rolling centres with effective bridge depth of 12mm lath sections	sqm	18			0.085721	
77	Providing and laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric membrane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd & 4th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).	sqm	666			0.504803	
78	Providing and laying brick tiles over mummy roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat :With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	sqm	666			0.476229	
79	Providing and fixing on wall face un plasticised rigid PVC rain water pipe 110 mm dia conforming to IS 13592 type A including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for the thermal expansion including all fittings like bends, tees, clamps, screws, cleats etc., complete at all heights and levels as directed by the Engineer-in-charge	meter	100			0.057148	
80	Providing and fixing heavy duty rigid PVC pipes of 20 mm dia of reputed manufacturer and high quality conforming to IS: 4985 including all fittings like bends, tees, clamps, screws, cleats etc., complete at all heights and levels as directed by the Engineer-in-charge	meter	20			0.009525	
81	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps i/c making good the walls etc. concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall 15 mm dia nominal bore	meter	60			0.038098	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
82	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps i/c making good the walls etc. concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall 20 mm dia nominal bore	meter	60			0.038098	
83	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 20 mm dia. nominal bore	meter	100			0.038098	
84	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 25 mm dia. nominal bore	meter	100			0.057148	
85	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 50mm dia. nominal bore	meter	100			0.085721	
86	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm dia. nominal bore	meter	40			0.019049	
87	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work – Exposed on wall. 25 mm dia. nominal bore	meter	40			0.028574	
88	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work – Exposed on wall. 50mm dia. nominal bore	meter	40			0.047623	
89	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore	Nos	10			0.009525	
90	Providing and fixing brass bib cock of approved quality : 20mm nominal bore	Nos	10			0.009525	
91	Providing and fixing brass stop cock of approved design, quality and make 15 mm NB	Nos	10			0.009525	
92	Providing and fixing brass stop cock of approved design, quality and make 20 mm NB	Nos	10			0.009525	
93	Providing and fixing brass ball valve with C I wheel of approved quality (screwed end) for 25 mm dia nominal bore with reducer if necessary at all heights & levels	Nos	10			0.009525	
94	Providing and fixing brass ball valve with C I wheel of approved quality (screwed end) for 50 mm dia nominal bore with reducer if necessary at all heights & levels	Nos	10			0.019049	
95	Providing and fixing PVC Nahani Traps of ISI Make of 100 x 100 mm at all heights and levels size and all complete as directed by the Engineer-in-charge.	Nos	20			0.019049	
96	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms all complete as directed by the Engineer-in-charge.	Nos	10			0.009525	
97	Providing and fixing PVC, soil waste and vent pipes conforming to IS 4985 of SWR quality 4 Kg & 6 Kg / Sq cm, pressure. The rate shall incude cost of all fittings like plain elbow, plain tee, plain Y, 4 way tee and all required necessary specials etc., complete. jointing with rubber ring and solvent joints providing MS brackets grouted in the wall and fasteners cutting and making good the walls and floors (pipes running expose in sanitary ducts) supreme or prince/approved quality pipes. 75 mm dia	meter	100			0.133344	
98	Providing and fixing PVC, soil waste and vent pipes conforming to IS 4985 of SWR quality 4 Kg & 6 Kg / Sq cm, pressure. The rate shall incude cost of all fittings like plain elbow, plain tee, plain Y, 4 way tee and all required necessary specials etc., complete. jointing with rubber ring and solvent joints providing MS brackets grouted in the wall and fasteners cutting and making good the walls and floors (pipes running expose in sanitary ducts) supreme or prince/approved quality pipes. 110 mm dia	meter	100			0.133344	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
99	Providing and fixing PVC, soil waste and vent pipes conforming to IS 4985 of SWR quality 4 Kg & 6 Kg / Sq cm, pressure. The rate shall include cost of all fittings like plain elbow, plain tee, plain Y, 4 way tee and all required necessary specials etc., complete. jointing with rubber ring and solvent joints providing MS brackets grouted in the wall and fasteners cutting and making good the walls and floors (pipes running expose in sanitary ducts) supreme or prince/approved quality pipes. 150 mm dia	meter	100			0.142869	
100	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required, 510x1040 mm bowl depth 200mm	Nos	2			0.028574	
101	Providing and fixing wash basin above platform with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap. all complete as directed by the Engineer-in-charge.	Nos	8			0.028574	
102	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers all complete as directed by the Engineer-in-charge.	Nos	8			0.009525	
103	Providing and fixing white vitreous china pedestal type/ wall mounted water closet (European/Western type) with seat & lid, 10 litre low level flushing cistern with fittings and CI / MS brackets, 40 mm flush bend, over flow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required WC pan with ISI marked coloured solid plastic and lid with coloured vitreous china flushing cistern and CP flush bend (low level cistern), toilet paper roll holder and all fittings all complete as directed by the Engineer-in-charge.	Nos	8			0.057148	
104	Providing and fixing white vitreous china flat back half stall urinal / wall mounted of 430*260*350mm parryware/Hindware/seabird/orient (coral) with fittings size C.P. Brass, spreaders with unions and clamps (all in C.P.Brass) with waste fitting as per I.S.2556, C. I. trap with outlet grating and other coupling in C.P. brass including painting of fittings and brackets, cutting and making good the walls and floors wherever required: all CP fittings are Jaquar or yes yes brand. flush pipe: Single half stall urinal with 5 litre P.V.C. automatic flushing cistern. all complete as directed by the Engineer-in-charge.	Nos	8			0.057148	
105	Providing and fixing toilet paper holder : C.P. brass	Nos	8			0.009525	
106	Providing and fixing liquid soap dispenser and holder as per approved design.	Nos	8			0.009525	
107	Providing and fixing fancy CP brass fittings and flange of approved brand and manufacture (oriental series of MARC or pearl/jade series of Parryware or Continental clasion series of JAGUAR or crystal series of MARC) 15MM NOMINAL HEALTH FAUCET	Nos	8			0.038098	
108	Providing and fixing constructing road gully chamber 50 x 45 x 60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 fine sand) including 500 x 450 mm pre cast RCC horizontal grating with frame complete as per standard design with FPS bricks. all complete as directed by the Engineer-in-charge.	Nos	20			0.161918	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
109	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. (Syntax or equivalent)	Ltr	10000			0.228590	
110	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand including finishing the top smooth all complete as directed by the Engineer-in-charge.	sqm	184			0.161918	
111	Providing and fixing Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia. direction of Engineer-in-charge.	metre	80			0.104770	
112	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Nos	8			0.142869	
113	Extra for depth for manholes Size 90x80 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	meter	10			0.104770	
114	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Nos	4			0.152393	
115	Extra for depth for manholes Size 120x90 cm With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	meter	4			0.047623	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
116	Constructing brick masonry circular type manhole 0.91m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : 0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as pan	Nos	4			0.066672	
117	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91m to 1.67m With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	meter	4			0.038098	
118	Supplying ,stacking & plaing of aggregate at required position complete as directed by the Engineer-in-charge. 90 mm to 45 mm size stone aggregate.	cum	40			0.104770	
119	Supplying ,stacking & plaing of aggregate at required position complete as directed by the Engineer-in-charge. 63 mm to 45 mm size stone aggregate.	cum	40			0.114295	
120	Supplying ,stacking & plaing of aggregate at required position complete as directed by the Engineer-in-charge. Over burnt (Jhama) brick aggregate 120 mm to 40 mm.	cum	40			0.047623	
121	Supplying ,stacking & plaing of sand at required position complete as directed by the Engineer-in-charge.	cum	40			0.142869	
122	Precoated Zinc Aluminium Steel sheet roofing / Cladding: The base metal of the roofing shall be Cold Rolled Steel Sheet conforming to IS:513.It shall be zinc aluminium coated by Hot-dip process as per AS:1397 / IS:277. The bottom unexposed surface shall then be coated with alkyd backer of minimum 5 microns over a 5 micron coat of primer. Top exposed surface shall have primer of minimum 5 microns followed by SMP / Super Polyester top coat of minimum 20 microns of specified colour.The profiles shall have a depth of not less than 28 mm at a pitch of 195 to 255mm (with intermediate ribs). Overall total coated thickness shall be minimum 0.55mm having base metal thickness of 0.50mm. Minimum weight (supply width) shall be 5.00 Kg/ SqM. All roofing accessories like ridge, flashing, north light curves etc. shall be fabricated out of the approved pre-coated sheet as per drawing. Metallic self drilling self tapping fasteners for fixing shall be corrosion proof meeting performance standard as per AS : 3566, Class-III having neoprene washers. Sealants shall be neutral cure type and cold setting variety. All complete as per customer specifications.	sqm	216			0.685770	
123	Providing and fixing insulation of resin bonded mineral wool of 50 mm nominal thickness conforming to IS 8183 having a density of 32 kg/cum glass wool or 48 kg/cum for rock wool, for cladding/under deck insulation including wrapping in black polythene black supported over weld mesh 75X75X1.6 MM dia to hold in position and application of glue & tying with lacing wire, for glass/rock wool as per manufacturer's recommendation.	sqm	108			0.161918	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
124	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes	Kg	40			0.009525	
125	Supplying and fixing turn buckles and straining bolts for barbed wire fencing.	each set	62			0.019049	
126	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 5th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :- Payment to be made per metre cost of totallength of barbed wire used. With G.I. barbed wire	RM	20235			0.390508	
127	Excavating holes of 400 mm dia and depth up to 4m below ground level for earth pits as per the drawing and direction of Engineer in charge. All kinds of soil	Each	330			0.866737	
128	Providing and fixing CI cover of 400mmx400mm along with frame for earth pits as per drawing and direction of engineer in charge	Each	330			3.114540	
129	Providing and fixing 65 mm dia PVC pipe sleeves in earth pit wall as per drawing (Approximate length 0.3 m) and direction of engineer in charge	Each	330			0.266688	
130	ILLUMINATION BOQ FOR 40 MW PESS ROOM						
130.1	40W LED batton type fixture (Bajaj Catalog no. BICDP 40W LED or Equivalent)	Nos	36			0.212712	
130.2	Industrial 10W LED bulkhead type fixture (IP65) (Bajaj Catalog no. BIBWP 10W LED or Equivalent)	Nos	1			0.003400	
130.3	Surface mounted 18W LED Fixture (Bajaj catalogue No. BGSLO Sleek Surface 18 WH RD)	Nos	6			0.023212	
130.4	Recessed mounted 36W LED Fixture (2x2 Bajaj Catalogue no BARSQ 36W NW)	Nos	9			0.067735	
130.5	SSB-1 Surface mounted swbd with 1 nos 5A piano type switches (modular type). Switch board shall have provision for terminating 3nos. 3CX2.5sqmm Cu. PVC Armoured cable.	Nos	14			0.010812	
130.6	SSB-2 Surface mounted swbd with 2 nos 5A piano type switches (modular type). Switch board shall have provision for terminating 4nos. 3CX2.5sqmm Cu. PVC Armoured cable.	Nos	7			0.006239	
130.7	SSB-2+R Surface mounted swbd with 2 nos 5A piano type switches and 1 no. electronic fan regulator. (modular type). Switch board shall have provision for terminating 4nos. 3CX2.5sqmm Cu. PVC Armoured cable.	Nos	1			0.002169	
130.8	Domestic type surface mounted 5/15A receptacle with switch (Modular Type)	Nos	15			0.014316	
130.9	63A TPN Welding Socket with Plug and interlocked Switch	Nos	1			0.035214	
130.9	6 Way TPN Indoor type Lighting Panel (Surface mounted) with 32A, 4pole RCBO at the incomer & 6 Nos 20A SPN MCB at the outgoing .	Nos	2			0.170970	
130.10	3 Way 1Ph Indoor type UPS Power distribution board (Surface mounted) with 32A DP RCBO at the incomer & 6 Nos 20A SPN MCB at the outgoing .	Nos	1			0.056988	
130.11	Ceiling Fan 1200mm blade	Nos	1			0.003417	
130.12	Industrial grade Exhaust Fan 1ph, 0.2 kW	Nos	7			0.043520	
130.13	Industrial grade Exhaust Fan with DOL starter (415V, 3 PHASE, 0.75kW, 10000CMH)	Nos	3			0.278726	
130.14	Data connector Box (Surface Mounted)	Nos	1			0.001974	
130.15	1.5 Ton Split AC (5-Star) with stabiliser & MCB Box	Nos	1			0.095199	
130.16	2 Ton Split AC (5-Star) with stabiliser & MCB Box	Nos	3			0.431312	

Price Bid Format

(Volume II of NIT)

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S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
130.17	200x150x100mm rectangular JB with 4nos. Terminal block suitable for 4sqmm wire. JB shall have 4nos. Cable entry suitable for 3Cx2.5sq mm PVC armoured cu. cable with Cable Gland.	Nos	53			0.202080	
130.18	200x150x100mm rectangular JB with 4nos. Terminal block suitable for 6sqmm wire. JB shall have 4nos. Cable entry suitable for 3Cx6sq mm PVC armoured Al. cable with Cable Gland.	Nos	20			0.076257	
130.19	3Cx2.5sqmm Cu. PVC Armoured Cable	Mtr	1400			0.207399	
130.20	3Cx6 sqmm Al. PVC Armoured Cable	Mtr	500			0.055371	
130.21	Flexible Wires 2.5sqmm Cu for JB to fixture & 6 sqmm Al. for JB to sockets, GI stripped flexible conduit, Cable clamps, GI Clamp & Galvanised steel chain for fixture mounting, ISA/ISMC/GI FLAT and any other accessories for installation of above items - 1 LOT	Lot	1			0.169999	
131	Amount for E&C Price for the above items(S. no. 130.1 to 130.21)	Lot	1			0.216902	
132	ILLUMINATION BOQ FOR 25 MW PESS ROOM						
132.1	40W LED batton type fixture (Bajaj Catalog no. BICDP 40W LED or Equivalent)	Nos	30			0.177260	
132.2	Industrial 10W LED bulkhead type fixture (IP65) (Bajaj Catalog no. BIBWP 10W LED or Equivalent)	Nos	1			0.003400	
132.3	Surface mounted 18W LED Fixture (Bajaj catalogue No. BGSLO Sleek Surface 18 WH RD)	Nos	6			0.023212	
132.4	Recessed mounted 36W LED Fixture (2x2 Bajaj Catalogue no BARSQL 36W NW)	Nos	9			0.067735	
132.5	SSB-1 Surface mounted swbd with 1 nos 5A piano type switches (modular type). Switch board shall have provision for terminating 3nos. 3CX2.5sqmm Cu. PVC Armoured cable.	Nos	14			0.010812	
132.6	SSB-2 Surface mounted swbd with 2 nos 5A piano type switches (modular type). Switch board shall have provision for terminating 4nos. 3CX2.5sqmm Cu. PVC Armoured cable.	Nos	7			0.006239	
132.7	SSB-2+R Surface mounted swbd with 2 nos 5A piano type switches and 1 no. electronic fan regulator. (modular type). Switch board shall have provision for terminating 4nos. 3CX2.5sqmm Cu. PVC Armoured cable.	Nos	1			0.002169	
132.8	Domestic type surface mounted 5/15A receptacle with switch (Modular Type)	Nos	15			0.014316	
132.9	63A TPN Welding Socket with Plug and interlocked Switch	Nos	1			0.035214	
132.10	6 Way TPN Indoor type Lighting Panel (Surface mounted) with 32A, 4pole RCBO at the incomer & 6 Nos 20A SPN MCB at the outgoing .	Nos	2			0.170970	
132.11	3 Way 1Ph Indoor type UPS Power distribution board (Surface mounted) with 32A DP RCBO at the incomer & 6 Nos 20A SPN MCB at the outgoing .	Nos	1			0.056988	
132.12	Ceiling Fan 1200mm blade	Nos	1			0.003417	
132.13	Industrial grade Exhaust Fan 1ph, 0.2 kW	Nos	7			0.043520	
132.14	Industrial grade Exhaust Fan with DOL starter (415V, 3 PHASE, 0.75kW, 10000CMH)	Nos	2			0.185818	
132.15	Data connector Box (Surface Mounted)	Nos	1			0.001974	
132.16	1.5 Ton Split AC (5-Star) with stabiliser & MCB Box	Nos	1			0.095199	
132.17	2 Ton Split AC (5-Star) with stabiliser & MCB Box	Nos	3			0.431312	
132.18	200x150x100mm rectangular JB with 4nos. Terminal block suitable for 4sqmm wire. JB shall have 4nos. Cable entry suitable for 3Cx2.5sq mm PVC armoured cu. cable with Cable Gland.	Nos	53			0.202080	
132.19	200x150x100mm rectangular JB with 4nos. Terminal block suitable for 6sqmm wire. JB shall have 4nos. Cable entry suitable for 3Cx6sq mm PVC armoured Al. cable with Cable Gland.	Nos	20			0.076257	
132.20	3Cx2.5sqmm Cu. PVC Armoured Cable	Mtr	1300			0.192585	
132.21	3Cx6 sqmm Al. PVC Armoured Cable	Mtr	450			0.049834	

Price Bid Format

(Volume II of NIT)

Name of Work: "Construction of Power Export Sub-Station Building (PESS), Transformer foundation, PCSS Foundation, Civil Works for Switchyard & Security room, Supply and E&C of Illumination System in PESS, and E&C of Fire Alarm System in PESS" for 1x65MW of Solar PV plant of NLC at Neyveli, Cuddalore District, Tamilnadu.

S.NO. A	DESCRIPTION B	UNIT C	TOTAL QTY D	RATE E	AMOUNT IN RS. F	WEIGHTAGE IN PERCENTAGE (%) G	REMARK H
132.22	Flexible Wires 2.5sqmm Cu for JB to fixture & 6 sqmm Al. for JB to sockets, GI stripped flexible conduit, Cable clamps, GI Clamp & Galvanised steel chain for fixture mounting, ISA/ISMC/GI FLAT and any other accessories for installation of above items - 1 LOT	LOT	1			0.157856	
133	Amount for E&C Price for the above items(S. no. 132.1 to 132.22)	Lot	1			0.200817	
134	MANDATORY SPARE FOR 40MW & 25 MW PESS ROOMS						
134.1	40W LED batton type fixture (Bajaj Catalog no. BICDP 40W LED or Equivalent)	Nos	7			0.041361	
134.2	Industrial 10W LED bulkhead type fixture (IP65) (Bajaj Catalog no. BIBWP 10W LED or Equivalent)	Nos	1			0.003400	
134.3	Surface mounted 18W LED Fixture (Bajaj catalogue No. BGSLO Sleek Surface 18 WH RD)	Nos	2			0.007737	
134.4	Recessed mounted 36W LED Fixture (2x2 Bajaj Catalogue no BARSQL 36W NW)	Nos	2			0.015052	
135	E&C of below mentioned items(item no. 135.1 to 135.8)						
135.1	Local Fire alarm Panel - 1 no.						
135.2	Multi sensor detector - 22 nos.						
135.3	Hooter cum Strobe - 4 nos.						
135.4	Interface Modules - 4 nos.						
135.5	MCP - 4 nos.	Lot	1			0.059108	Free Issue by BHEL
135.6	Isolator Modules - 5 nos.						
135.7	Loop Cable (2C x 1.5 sqmm) - 100 meters						
135.8	Power cable (3C x 2.5 sqmm) - 50 meters						
136	Supply for Erection Items no 135. (saddle, clamps, screws, nut, bolt etc.)	Lot	1			0.032557	
	TOTAL					100.00	
	TOTAL AMOUNT (Rs.) in figures						
	TOTAL AMOUNT (Rs.) in words						
	NOTE:						
1	Evaluation Shall be based on total amount quoted.						
2	Bidders should quote only the (Total Amount) both in figures & words in the specified place. They should not fill/quote/write anything in col. (E) & (F). These rates & amount will be derived based on total quoted rates and corresponding weightage rates for individual line items shown in col. (G).						
3	The rate and amount are inclusive of all applicable taxes, except for the service tax. For details of taxes, clause no. 8.0 of the TCC will be applicable						