

**Government of Meghalaya
North Eastern Region Capital Cities Development & Investment
Programme.**

**Bidding Document
For**

Construction of Garage cum Workshop Shed and Staff Rest Room
(Balance Works) under Tranche-II at old landfill site at Marten,, Shillong

Contract Package No: NERCCDIP/TR-02/SHG/SWM/01-RT– (Item Rate)

Following Single Stage Two Envelope Bidding Procedure

Under

National Competitive Bidding

Volume II– Price bid

Invitation for Bid No: SIPMIU / MEG/12/2015/1

Employer: “Urban Affairs Department Government of Meghalaya represented by the Project Director, State Investment Project Management & Implementation Unit, Shillong (SIPMIU)”.

Bid Issuing Authority: Project Director, SIPMIU, Urban Affairs Department, Dhankheti, Shillong-793003.

Volume II: Price Bid

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Letter of Price Bid

Date:

NCB No.: SIPMIU / MEG/12/2015/1

Contract Package No. NERCCDIP/TR02/SHG/SWM/01-RT

To:
The Project Director,
State Investment Project Management & Implementation Unit,
Urban Affairs Department, Shillong,
Government of Meghalaya

Sir,

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB), Clause 8;
(b) We offer to execute in conformity with the Bidding Documents the following Works: Construction of Garage cum Workshop Shed and Staff Rest Room (Balance Works) under Tranche-II at old landfill site at Marten,, Shillong
(c) The total price of our Bid, excluding any discounts offered in item (d) below is:
(d) The discounts offered and the methodologies for their application are:
(e) Our Bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
(f) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
(g) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: **

Table with 4 columns: Name of Recipient, Address, Reason, Amount. Two rows of dotted lines for data entry.

- (h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

- (i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

If awarded the contract, the person named below shall act as Contractor's Representative.

Name
In the capacity of
Signed
Duly authorized to sign the Bid for and on behalf of
Date

** If none has been paid or is to be paid, indicate "none"

Schedules

Bill of Quantities

Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, Conditions of Contract, Specifications and Drawings.
2. For the construction of works, the quantities given in the Bill of Quantities are estimated quantities, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the agreed individual item rates. Bills will be raised monthly. The method of measurement shall be as per norms laid out by Bureau Of Indian Standard's publication IS:1200 (Latest Editions with updated amendments).
3. For the Project's Environmental Management Plan (EMP), the contractor shall raise an invoice every quarter, listing out the actual costs for the implementation of environmental measures. These bills will be paid out of Provisional Sums. An amount of 3% of the estimated cost has been specified as contingency sum for payment of works not detailed in the BOQ but ordered by the Engineer at his discretion, in the best interests of the project
4. A rate or price shall be entered against each item in the Priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor has failed to enter a price or rate shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of work.
6. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. Reference to relevant sections of the Contract Documentation shall be made before entering prices against each item in the priced Bill of Quantities.
7. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out in the Contract. Import duty and excise duty on materials and goods to be imported shall not be included in the Unit Rates and the Employer shall issue certificates exempting the Contractor from payment of these duties.
8. Item Rate BOQ to be appended after firming up of Detailed Design in DPR
9. Arithmetic errors will be corrected by the Employer as follows:
 - a. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - b. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - c. if there is a discrepancy between words and figures, the Amount(In INR) in words shall prevail, unless the Amount(In INR) expressed in words is related to an arithmetic error, in which case the Amount(In INR) in figures shall prevail subject to (a) and (b) above.
10. Rock is defined as all materials that, in the opinion of the Engineer, require blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for their removal, and that cannot be extracted by ripping with a tractor of at least 150 brake hp with a single, rear-mounted, heavy-duty ripper.

Abstract of Bid Prices

Name of Bidder _____

Sr.No	Particulars	Amount in Rs	
		In Figure	In Words
1	Total Amount of Work		
2	Provisional Sum	500,000.00	Rupees Five Lakhs Only.
Grand Total			

Construction of Garage cum Workshop Shed and Staff Rest Room (Balance Works) under Tranche-II at old landfill site at Marten, Shillong

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	Garage Cum Workshop						
	Earthwork						
1	Earthwork in excavation in foundation trenches, including dressing of sides and ramming of the bottom including stacking of serviceable stones, disposal and removal of excavated earth within a lead of 50 m and lift of 1.50 m complete as per specifications and as directed.						
	All kinds of soil						
		Cum	282.66				
2	Earthwork in filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm thick including breaking clods consolidating each layer by ramming and watering, lead up to 50 m and lift up to 1.5 m for foundation, floor, road depression as per specification and complete as directed						
		Cum	1623.69				
3	Earthwork in excavation to the proper level and grade including light dressing as directed and removal of spoils up to 30 m lead and all lift as per specification and complete as directed (Garbage Cutting)						
	All kinds of soil.						
		Cum	1430.00				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	Concrete works						
4	Providing and laying cement concrete in proportion 1:2:4 corresponding to M15 (1-cement, 2-sand, 4-stone aggregates of 20mm and down graded) including necessary curing complete, excluding shuttering, in foundation and below plinth and in septic tank, inspection pits etc, as per specification and complete as directed.						
		Cum	227.05				
	Brick Work						
5	Providing first class brick in required thickness in cement mortar 1:6 (1 cement and 6 sand) including curing as per specification and complete as directed for Staff Rest Room for partition wall 12.5cms thick.						
		Sqm	317.53				
	Concrete works						
6	Providing and laying cement concrete in proportion 1:2:4 corresponding to M15 (1-cement, 2-sand, 4-stone aggregates of 20mm and down graded) in super structure including necessary curing complete, (excluding shuttering) as per specification and complete as directed.						
		Cum	8.40				
7	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). below plinth Beams as per specification and complete as directed.						
		Sqm	87.77				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
8	Extra for providing waterproof plaster/ rendering/ screed concrete using CICO No.1 and the like (cement waterproofing compound) as per manufacturer's guide and method of application complete as directed. For cement concrete for concrete use 1.50 kg per 50 kg cement after diluting with clean potable water in the proportion of 1:16 as per specification and complete as directed.	Kg	13.00				
9	Providing shuttering including centering for flat surface such as slabs, shelves, chajja and for vertical faces such as columns, walls, ends of beams etc with dressed plank not less than 25cm thick firmly fixed etc as per specification and complete as directed (applicable upto 3.30 m height)						
		Sqm	836.65				
10	Providing and laying cement concrete in proportion 1:1:2 corresponding to M25 (1cement, 1sand and 2stone aggregate of 12mm and down graded) including necessary curing etc as per specification and complete as directed (excluding shuttering and reinforcement), cement procured by contractor.						
		Cum	65.79				
	TMT bars.						
11	Providing for steel reinforcement in RCC work including cutting, bending, cranking and tying in position with binding wire, 20 gauge, as shown in drawings, complete upto floor two level.						
		Qntl	93.82				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	Steelworks						
12	Providing steel work in built up tubular trusses including cutting, hoisting, fixing in position, including welding etc and applying a coat of approved steel primer as per specification and complete as directed. Hot finished welded type tubes.						
		Qntl	284.85				
13	Providing steel work in built up tubular trusses including cutting, hoisting, fixing in position, including welding etc and applying a coat of approved steel primer as per specification and complete as directed. For columns, roof beams, stiffener, base plate etc.						
		Qntl	382.80				
14	Supplying and fixing rolling shutters of approved make,(18BG) made of 75mm wide 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, guide channels and arrangements for inside and outside locking with push and pull operation complete with hood cover and coil wire spring to necessiate the fitting of required number of pulleys on heavy type, solid drawn, seamless steel tube including a coat of red primer as per specification and complete as directed including labour for fitting and fixing rolling shutters.						
		Sqm	49.50				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
15	Providing steel works in tees, flats, angles and channels including cutting, drilling holes, hoisting and fixing in position as per specification and complete as directed.						
15(a)	In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.	Qntl	1.79				
15(b)	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.						
	Drain cover	Qntl	17.14				
	Stone works						
16	Providing coursed random rubble stone masonry in foundation and plinth with unsized stone (mawthup) bonded with cement mortar of proportion 1:6 (1-cement, 6-sand) including curing as per specification and complete as directed. (Average size is not less than 20 cm x 20 cm x 25 cm), cement procured by contractor.	Cum	228.35				
	Roofing						
17	Providing corrugated galvanised iron sheet roofing fixed with galvanised iron J & L hooks, bolts and nuts, 8 mm diameter with bitumen and GI limpet washers or with GI limpet washers filled with white lead as per specification and complete as directed excluding the cost of purlins, rafters and trusses.						
	0.63 mm thick	Sqm	1701.48				
18	Extra for cutting and waste in CGI sheet roofing for making opening of area exceeding 0.40 sq.m for chimney stacks, skylight etc as per specification and complete as directed. 0.63mm thickness	Sqm	68.00				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
19	Providing ridges 450 mm (overall width) in plain GI sheet, 225 mm lappage, with galvanised iron J or L hooks, coach screws & washers as per specification and complete as directed.						
	0.63mm thick	Metre	105.53				
20	Providing corrugated fibre glass roofing fixed with galvanised iron J or L hooks, nuts and bolts etc along with necessary washers as per specification and complete as directed excluding the cost of purlins, rafters and trusses.	Sqm	68.00				
21	Providing & fixing 150 mm wide, 450 mm overall semicircular plain GI sheets gutters with iron brackets 40 mm x 3 mm, bolts, nuts & washers etc including making necessary connections with rain water pipe complete as directed. 0.63mm thick	Metre	215.00				
22	Providing and fixing on wall PVC rain water pipes including fitting the joints with plastic compound fixed with MS clamp screwed on wooden plugs including cost of cutting holes and making good the wall etc complete. 75mm diameter	Metre	62.00				
23	Providing and fixing on wall face Unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion as directed.						
	75 mm Coupler	Each	20.00				
	75 mm bend 87.5°	Each	20.00				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
24	Painting with best quality synthetic enamel with approved make and brand including smoothening surface by sand papering etc, and using approved putty on the surface, if necessary complete as directed. Applying priming coat. two coats (new work)	Sqm	635.06				
25	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works steel works	Sqm	793.60				
	Collapsible gate	Sqm	99.00				
26	Painting with plastic emulsion paint of approved make and brand to give an even shade including cleaning the surface etc, as per specification and complete as directed.	Sqm	938.20				
	Water supply						
27	Providing and fixing G.I. pipes including necessary sockets, bends, jam nuts, elbows, tees etc as per specifications and complete as directed. External work :						
	15 mm dia. nominal bore	Metre	44.00				
	20 mm dia. nominal bore	Metre	29.00				
	25 mm dia. nominal bore	Metre	12.00				
	32 mm dia. nominal bore	Metre	6.00				
28	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. as per specification and complete as directed.						
	25 to 40 mm nominal bore	Each	2.00				
29	Supplying and fitting pipe fittings as per specification and complete as directed. brass bib cock of approved quality :						
	15 mm nominal bore	Each	2.00				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	20 mm nominal bore	Each	1.00				
30	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) as per specification and complete as directed :						
	25 mm nominal bore	Each	10.00				
	32 mm nominal bore.	Each	5.00				
31	Providing 300mmX300mmX300mm inspection pits (internal dimension) with 100mm thick concrete base in proportion 1:3:6 (1-cement, 3-sands, 6-stone aggregates)100mm thick cement concrete side walls in proportion 1:3:6, 75mm thick RCC cover slab in proportion 1:2:4, including moulding channelling and plastering with 12mm thick cement plaster in proportion 1:3(1- cement 3 -sand) properly finished as per specification and complete as directed.	Each	1.00				
32	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality as per specification and complete as directed. :						
	15 mm diameter pipe	Metre	528.00				
	20 mm diameter pipe	Metre	464.00				
	25 mm diameter pipe	Metre	24.00				
	32 mm diameter pipe	Metre	60.00				
33	Supplying, fitting and fixing PVC water tank including fitting and fixing the inlets and outlets pipes as per specification and complete as directed.	Litre	2000.00				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
34	Providing and fixing square-Grease trap of proper grade complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 600mmx600mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design as per specification and complete as directed.	Each	3.00				
35	Providing and laying cement concrete in proportion 1:1½:3 corresponding to M 20 (1cement, 1½sand and 3stone aggregates of 20mm and down graded) including curing etc complete (excluding shuttering and reinforcement) as per specification and complete as directed. Cement procured by contractor.	Cum	1.24				
36	Providing 12 mm thick cement plaster including cleaning the surface and curing as per specification and complete as directed. In proportion 1:3 (1-cement and 3-sand) Cement procured by contractor.	Sqm	863.06				
37	White washing with lime on new works to give an even shade as directed complete with two coats.	Sqm	635.06				
38	Painting with best quality synthetic enamel with approved make and brand including smoothing surface by sand papering etc, and using approved putty on the surface ,if necessary as per specification and complete as directed. with hi-gloss paint two coats for doors, windows etc.,.	Sqm	82.77				
39	Providing dressed and rebated works in frames of doors and other similar works, framed and fitted in position with nails, spikes, nuts etc, as required and directed complete, with red pinewood for window,	Cum	0.55				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	ventilator etc.,						
40	Providing and fixing 38 mm thick battened and braced shutters for doors and windows including iron hinges, tower bolts, screws etc complete with red pine wood /local wood for window shutters, ventilator shutters etc.,	Sqm	41.39				
41	Providing cement concrete topping proportion is 1:1:2 corresponding to M25 (1-cement, 1-sand and 2- stone chips of 12mm and down graded) to the proper level and slope including curing and trowel finished with a floating coat of neat cement slurry @ 2.75kg of cement per sq.m for floor as per specification and complete as directed. (20 mm thick), cement procured by contractor.						
		Sqm	1544.88				
42	Providing and laying cement concrete in proportion 1:1½:3 corresponding to M 20 (1cement, 1½sand and 3stone aggregates of 20mm and down graded) including curing etc as per specification and complete as directed. (excluding shuttering and reinforcement), cement procured by contractor.	Cum	1.26				
43	Providing TOR steel reinforcement in RCC work including cutting, bending, cranking and tying in position with binding wire, 20 gauge, as shown in drawings, complete up to floor two level.	Qntl	6.14				
44	Providing 100 mm thick soling with approved quality of stones including carriage, ramming, consolidating and filling the interstices with stone aggregates complete.						
	Stone soling Below Floor						

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
		Sqm	1460.87				
	Toilet						
45	Providing and fixing in position indian pattern Water Closet including traps, foot rest etc complete with all necessary fittings including cutting and making good the walls and floors wherever required and as directed by the Engineer-in-charged.						
	(c) 580 mm	Each	1.00				
	(d) Labour for fitting and fixing.	Each	1.00				
46	Providing and fixing in position low down flushing cistern etc (porcelain) complete with all necessary fittings including cutting and making good the walls and floors wherever required and as directed by the Engineer-in-charged.	Each	1.00				
47	Providing and fixing in position wash hand basin etc complete with all necessary fittings including cutting and making goods the walls and floors wherever required and as directed by the Engineer-in-charged.	Each	1.00				
48	Providing and fixing bathroom mirror complete as directed.	Each	1.00				
49	Providing and fixing towel rail complete as directed.	Each	1.00				
50	Providing and fixing vitreous china clay urinal pan (Standing etc.complete with all necessary fittings including cutting and making good the walls and floors wherever required and as directed by the Engineer in-charged.	Each	3.00				
51	Labour for fitting and fixing	Each	3.00				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	Tiles						
52	Providing glazed ceramic floor tiles (Somany/Johnson) of approved shade 7.3mm thick in flooring, treads of steps, landing laid on a bed of 12mm thick cement mortar 1:3 (1cement: 3-coarse sand) finished with flush pointing as directed	Sqm	19.68				
	Septic tank and Soak Pit						
53	Earthwork in excavation in foundation trenches, including dressing of sides and ramming of the bottom including stacking of serviceable stones, disposal and removal of excavated earth within a lead of 50 m and lift of 1.50 m complete as directed.	Cum	30.24				
54	Providing shuttering including centring for flat surface such as slabs, shelves, chajja and for vertical faces such as columns, walls, ends of beams etc with dressed plank not less than 25cm thick firmly fixed etc complete as directed (applicable upto 3.30 m height)	Sqm	20.38				
55	Providing tor steel reinforcement in RCC work including cutting, bending, cranking and tying in position with binding wire, 20 gauge, as shown in drawings, complete upto floor two level.	Qntl	3.32				
	Concrete works						
56	Providing and laying cement concrete in proportion 1:2:4 corresponding to M15 (1-cement, 2-sand, 4-stone aggregates of 20mm and down graded) including necessary curing complete, excluding shuttering, in foundation and below plinth and in septic tank, inspection pits etc, complete.	Cum	1.73				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
57	Providing and laying cement concrete in proportion 1:1½:3 corresponding to M 20 (1cement, 1½sand and 3stone aggregates of 20mm and down graded) including curing etc complete (excluding shuttering and reinforcement)	Cum	1.31				
58	Providing and laying cement concrete in proportion 1:1:2 corresponding to M25 (1cement, 1sand and 2stone aggregate of 12mm and down graded) including necessary curing etc complete (excluding shuttering and reinforcement)	Cum	2.84				
	Brickwork						
59	Providing first class brick in required thickness in cement mortar 1:6 (1-cement and 6-sand) including curing complete as directed.	Cum	13.53				
60	Providing 12 mm thick cement plaster including cleaning the surface and curing as per specification and complete as directed. In proportion 1:3 (1-cement and 3-sand) Cement procured by contractor.	Sqm	41.95				
61	Providing filter beds or soak pits with sand stone boulder or laterite boulder, 75 mm and 150 mm, including excavation of foundation and supplying & fitting 100 mm dia AC pipes (disjointed) including dressing the surface as shown in the approved drawings complete as directed.	Cum	14.72				
62	Providing and fixing vent pipe (50mm) with cement mortar chaulk joint from the horn bends towards the roof including necessary arrangements against leakage in the roof, clamps and brackets complete	M	2.50				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
63	Supplying and fixing 100mm dia soil pipes (1.8m each) including cement mortar chaulk joint laid to the proper level, excavating the foundation and filling dressing complete as directed	M	21.00				
64	Providing 600mm X 600mm X 600mm inspection pit (internal dimensions) with 150mm thick cement concrete based in proportion 1:3:6 (1-cement: 3-sand: 6-stone) 150mm thick cement concrete side wall in proportion 1:3:6, 75mm thick RCC cover slab in proportion 1:2:4, including moulding channeling and plastering with 12mm thick cement plaster in proportion 1:3 (1-cement : 3-sand) properly finished complete as directed.	Each	1.00				
	Electrification						
65	Providing laying connecting testing & commissioning of the following sizes .Providing laying connection testing & commissioning of the following sizes of 1100V grade aluminium conductor armoured underground cable & overall PVC sheathed cable as per ISI code in trenches including the cost of digging of trenches, sand cushioning with laying etc and refilling the same in layers or by supporting them in walls and all other accessories as required. © with 3 .5 core X 50 sq mm	mtr	200				
66	Supplying and making <u>End Termination</u> with heavy duty ,approved make ,double compression glands and lugs duly crimped with crimping tool,PVC tape etc. for armoured ,XLPE insulated and FRLS sheathed 1100 volt grade cables complete as required.	Set	2				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
67	Supplying and fixing following way prewired vertical type TP &N MCB distribution board of steel sheet of 415 V on surface or recess complete with loose wire box of sheet steel dust protected duly powder painted inclusive of 200A tinned copper bus bar common neutral link earth bar DIN bar for mounting MCB's terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of FRLS PVC insulated copper conductor up to the terminal connector or neutral link earthing etc as required.(but without MCB/RCCB/ISOLATOR)(Note: 12 way double door	Set	1				
68	Providing and fixing following rating and breaking capacity and pole 100 A TPN 16 kA MCCB in existing cubicle panel board including drilling holes in cubicle panels including drilling holes in cubicle panels making connections etc as required.	Set	1				
69	Supplying and fixing following rating four pole (three phase and neutral) 415V residual current circuit breaker (RCCB) having sensitivity current up to 300 Ma in the existing MCB DB complete with connections, testing and commissioning as required. 63A	Set	1				
70	Supplying and fixing 5A to 32 A rating 240/415V C curve miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing commissioning etc.						
	Single pole	Set	26				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	Triple pole with neutral	Set	2				
71	25 mm x 5 mm G.I.strip on surface or in recess for connections as required (From Power distribution board etc.)	mtr	100				
72	Supply and laying 6 SWG GI wire 0.5 m below ground level for conductor earth electrode including connection/termination with GI thimble as required	mtr	30				
73	Supplying,fitting,fixing T5/T8/T9 etc fluroscnt tube light fitting complete with electronic choke etc with all accessories for surface or pendant mounting as per department direction and approved(Bajaj/Philips) Electronic single strip fitting	Set	70				
74	Supplying and fitting batten holder with 11 W CFL lamp with 25 mm diameter white glass conical or langhnun shade complete	Nos.	4				
75	Supplying fixing and commissioning of high pressure sodium vapour (HPSV) die cast aluminium with full frame glass cover integral luminare fitting complete with all accessories(Bajaj /Philips) 70 W HPSV fitting	Set	6				
76	Emergency power pack with NICD battery, Charger complete with 2x36 W fluorescent tube light (Bajaj make)	Set	2				
77	POINT WIRING: Type of wiring-660/1100V grade PVC insulated FRLS wires in MS Conduit as per specifications. Point wiring shall include supply and installation of cables/wires, PVC concealed conduits with fittings, accessories, couplings, collars etc., junction / pull / inspection boxes, supports, flexible conduit, fan hooks wherever						

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	required, Fan electronic regulator, terminations using glands, tinned copper lugs of crimping type, ferruling etc. A point wiring shall include in addition the earth continuity conductor/wire from the DB to the earth pin/stud of the outlets/switchbox & to the outlet point. The scope of sub mains wiring from DB to switch & socket points and room switch boards are also in contractor's scope. Lighting Point (For Godown normal lighting).All lighting fixture wiring shall be carried out by 1.5sqmm copper stranded conductor 660/1100V grade PVC insulated FRLS wire in concealed conduit as per specification. Individual junction/inspection boxes shall be provided for each light fitting for the purpose of looping from fitting to fitting. Light point wiring shall also include cable termination lugs, glands ferrules, conduits etc. to complete the installation in all respect as per the relevant standard and as per site requirement.						
a	Group A	Point	60				
b	Group B	Point	10				
c	Group C	Point	10				
78	All power point fixture wiring shall be carried out for primary point using minimum 2 x 4.0 sqmm copper stranded conductor 660/1100V grade PVC insulated FRLS wire. Individual junction/inspection boxes shall be provided for each power point fitting for the purpose of looping from socket to socket. Rates for point wiring shall be exclusive of Power sockets with switch which is covered separately. However wiring inside the						

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	Switch Box with socket shall be part of the point wiring. From DB to first power socket/switch will be termed as primary point and First power socket/switch to subsequent power socket/switch on the same circuit shall be as termed secondary point. Power point wiring shall also include cable termination lugs, glands ferrules, conduits, etc. To complete the installation in all respect. Earthing shall be carried out with min.1x4 sqmm. Copper conductor Green/Yellow PVC wire throughout the installation & complete wiring, routing, termination etc. is in contractor's scope, as per the relevant standard and as per site requirement.						
a	Primary point	Meter	21				
b	Secondary point	Meter	84				
79	Supplying fitting & fixing of water heater (geyser) of 1.5 kw/2Kw with pressure release valve including all necessary accessories as required(Bajaj) (c) 50 litres capacity	Nos.	2				
80	Supply and fixing 20 A 240 V SPN Industrial type socket outlet with 2 pole and earth metal enclosed plug top along with 20 A C curve SP MCB in sheet steel enclosure on surface or in recess with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc.	Nos.	8				
81	Supply and fixing 20 A 415 V TPN Industrial type socket outlet with 4 pole and earth metal enclosed plug top along with 20 A C curve TP MCB in sheet steel enclosure on surface or in recess with chained metal	Nos.	2				

SI No.	Description of Items	Unit	Quantity	Rate in figure and words in bracket (Rs.)	Amount (Rs.)	Taxes & other duties (Rs.)	Total Amount (Rs.)
	cover for the socket outlet and complete with connections, testing and commissioning etc.						
82	Supply, fitting, fixing of exhaust fan double bearing self lubricating type single phase 50 Hz 250V AC operated complete with supporting frame fan blade nuts and bolts fan regulator, capacitor, adjustable type lever and other petty accessories as required(Bajaj) ©Heavy duty exhaust fan	Set	2				
83	Supply and fitting of ceiling fan AC operated type 240V.Complete with 3 nos of blade down rod canopy hanging shackle and regulator complete with 300 mm down rod supplied with fan by the dealer but the extra length will be charged @ 25 / per meter(Bajaj/Orient) (b)AC ceiling fan '1200' mm sweep	Set	4				
84	Providing and fixing MV danger notice plate of 200 x 150 mm made of mild steel at least 2 mm thick vitreous enameled white on both sides and with inscription in single red colour on front side as required	Nos	2				
85	Supplying fitting and fixing of Copper/Aluminium lightning arrestor with 5 nos fingers at the top and copper base plate at the bottom completewith 5 ft high copper rod	Set	1				
	Total						