

North East Cane and Bamboo Development Council
13 Mile, G S Road, Burnihat, Assam

TENDER DOCUMENT

for

**Construction Works at Bamboo Based Craft Concentration Centre at
Sovima Village, Nagaland.**

Document Price: Rs.2000/- only

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1. BRIEF DESCRIPTION:

North East Cane and Bamboo Development Council (NECBDC) is mandated for providing all round support for development of the bamboo sector in the NE Region of India. The North Eastern Council, Ministry of DoNER, Government of India has sanctioned a project – “Bamboo Based Craft Concentration Centre” to be set up at Sovima Village, Dimapur District, Nagaland for development of bamboo-based crafts with state of art technology. The project component of civil works for construction of (i) Main Building (Office and Gallery) and (ii) Hostel, requires to be executed immediately for the craft centre to become fully operational. The NECBDC invites well established construction companies to participate in the bidding process for the construction works in the project site. Registered companies having minimum of 10 years’ experience with requisite qualifying documents may participate in the bid process.

2. PARTICULARS OF TENDER:

1. TENDER No. : **NECBDC/262/CCC/NAGA/2021/01**
2. Name of the work : **Construction Works at Bamboo Based Craft Concentration Centre at Sovima Village, Nagaland.**
3. Period of work : **6 (six) months from the date of issue of Work Order**
4. Cost of TENDER document : **Rs 2000/- in the form of Demand Draft.**
5. Last date and time of Submission of TENDER (by hand/courier/ post) : **15-06-2021 at 3 PM**
6. Security Money : **Successful bidder will have to deposit 2% of the project cost as security money to NECBDC before the commencement of the works.**
7. Period of validity of TENDER for acceptance : **15 Days**
8. Date and time of opening of TENDER : **15-06-2021 at 4pm**
9. Place of opening of TENDER : **North East Cane and Bamboo Development Council, 13th Mile, G.S. Road, Burnihat, Assam.**
10. Name of firm / to whom TENDER document is issued : -----

**(Signature of Issuer)
with seal**

3. SUBMISSION OF TENDER

3.1 SEALING AND MARKING OF TENDER:

3.1.1 The TENDER must be complete in all aspect and should contain requisite certificate, drawings, informative literature etc. as required in the specification.

3.1.2 Tender Document can be downloaded from www.necbdc.org.in/tenders

3.1.3 This is a two-part bid consisting of Technical bid and financial bid. The Technical and Financial bids should be sealed in separate envelopes and then to be sealed in one Envelope clearly superscribing on the envelope, **“Quotation for Construction Works at Bamboo Based Craft Concentration Centre” at Sovima Village, Nagaland.**

The bid shall include:

- a. Forwarding letter by the Tenderer
- b. Bid Documents
- c. All required supporting documents
- d. EMD
- e. NOC from the village Headman/Chairman of the village Council/authority/Panchayat for executing construction works at Sovima Village.
- f. Cost of tender document by Demand Draft(non-refundable) if downloaded from the website.

3.1.4 TENDER should be addressed to: -

Managing Director
North East Cane and Bamboo Development Council
13th Mile, G.S. Road, Burnihat, Assam-793101

a. The TENDER should be submitted at the office of North East Cane and Bamboo Development Council, before **3.00 PM** on 15 .06.2021.

b. Tenders may be received through Post/courier/by hand. NECBDC will not be responsible for any delay or misplace in postal transit.

c. Tenders can also be deposited personally in the Tender Drop Box at NECBDC.

3.2 EXPENSES OF AGREEMENT:

All the expenses of completing of the agreement including cost of stamp or any other kind of expenditure incurred in the process of TENDER submission till final compliance shall be borne by the Tenderer.

3.3 LATE BIDS:

Any TENDER received after the deadline for submission of TENDER prescribed by the Cane and Bamboo Technology Centre, Burnihat at shall be rejected and / or returned unopened to the Tenderer.

3.4 GENERAL TERMS & CONDITIONS:

1. Quotations to be submitted in ONE SEALED ENVELOPE containing all the required documents.
2. The NECBDC will contact only the successful bidders.
3. The NECBDC reserves the right to split the works among two or more parties.
4. The rates quoted against the specifications mentioned in the bid are not negotiable.
5. The bidders may, specifically mention if any higher specifications are offered.
6. EMD of Rs 50,000/- has to be made along with the bid documents.

- 7 Security money of 2% of the total value in the work order has to be deposited by the successful bidder before the commencement of the work.
8. Failure to complete the works on the scheduled date, your EMD will be forfeited, and you will be Blacklisted from participating in any future bid/tender.
9. The Decision of acceptance of the quotation will lie with the competent authority of North East Cane and Bamboo Development Council, who does not bind himself to accept the lowest quotation, and who reserves the right to himself to reject or partially accept any or all quotations received, without assigning any reason thereof.

4. TENDER OPENING:

4.1 OPENING OF TENDER:

The tender bids received will be opened on the date and time mentioned in presence of the bidders or their representatives. Only a single person following all SOP will be allowed entry into the room due to COVID-19 restrictions.

4.2 CLARIFICATION OF TENDER:

- 4.2.1 To assist in the examination, evaluation and comparison of TENDER, NECBDC may at its discretion ask the Tenderer for a clarification on the TENDER which is submitted by him. The request for clarification and the response shall be in writing.
- 4.2.2 NECBDC will be at liberty to involve any expert or consultant in evaluating the bid for completing the entire bid process.

5. AWARD OF CONTRACT:

5.1 RESERVATIONS AND ELIGIBILITY CRITERIA

The Tenderer should pass in all items of "Eligibility Criteria". Eligible tenderer quoting the lowest offer price shall be awarded the contract.

- 5.1.1. NECBDC reserves the right of negotiation with eligible Tenderer before the finalization of the TENDER process.
- 5.1.2. NECBDC reserves the right at the time of award of contract to increase or decrease the numbers of works without any change in terms and conditions.
- 5.1.3. NECBDC reserves the right to accept any bid and to reject any or all bids or accept any TENDER in total or in parts or to split the work among various Tenderers without assigning any reason thereof.

5.2 ELIGIBILITY CRITERIA

- 5.2.1. Applicant should have executed similar or larger scale projects in construction of institutional buildings
- 5.2.2. Applicants should have prior experience or have executed minimum 5 construction projects in Nagaland
- 5.2.3. Applicant should have liaising experience with the state government and should be able to obtain necessary permit for the construction of the building in the project site.
- 5.2.4. All conditions fulfilled, preference will be given to those companies having its registered office preferably at Dimapur or in Nagaland and have executed similar project in the area.

6. NOTIFICATION OF AWARD

Prior to the expiration of the period of TENDER validity, the Centre will inform the Tenderer by registered letter or by phone or fax or by e-mail that the bid has been accepted and the work has been awarded.

7. EXECUTION PERIOD

The entire work shall be completed in all respect within **180 days including site development from** the date of award of work. In case the project cannot be completed in 180 days than bidders are required to mention the same in the bid document with justifications.

7. HOW TO APPLY:

7.1 COVERING LETTER:

(To be typed in the company's letter head)

To
The Managing Director
North East Cane and Bamboo Development Council
13 Mile, G.S. Road, Burnihat, Assam
PIN – 793101(Assam)

Sub: Submission of Tender Bid Document for the Construction Works at Bamboo based Craft Concentration Centre at Sovima Village, Nagaland.

Dear Sir,

With reference to your TENDER notice dated I have examined the TENDER document and understood its contents. I hereby submit my Bid for the Construction Works at Bamboo based Craft Concentration Centre at Sovima Village, Nagaland.

1. The Application is unconditional for the said Tender.
2. It is acknowledged that the Authority will be relying on the information provided in the tender and the documents accompanying such tender for qualification of the bidders for the above-mentioned project, and we certify that all information provided in the tender and in Annexures are true and correct; nothing has been misrepresented and omitted which renders such information misleading; and all documents accompanying the bid are true copies of their respective originals.
3. This statement is made for the express purpose of the above-mentioned subject.
4. We shall make available to the Authority any additional information it may find necessary or require supplementing or authenticate the qualification statement.
5. We acknowledge the right of the Authority to reject our bid without assigning any reason or otherwise and hereby relinquish, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
6. It is declared that:
 - (a) We have examined and have no reservations in the Tender document
 - (b) We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in respect of any Bid or request for proposal issued by or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State.
7. It is understood that NECBDC may cancel the Bidding Process at any time without incurring any liability and that you are neither bound to invite the applicants to Bid for the project nor to accept any bid that you may receive.
8. It is certified that we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.

9. It is further certified that no investigation by any regulatory agency is pending against us.

10. It is hereby affirmed that we are in compliance of/ shall comply with the maintenance requirements for one year.

11. We hereby irrevocably relinquish any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of bidders, selection of the Tenderer, or in connection with the selection/ Bidding Process itself, in respect of the above-mentioned Project and the terms and implementation thereof.

12. We agree to undertake to abide by all the terms and conditions of the TENDER Document.

13. We agree to undertake to be liable for all the obligations of the Tenderer under the Agreement

. In witness thereof, we submit this application under and in accordance with the terms of the TENDER document.

Yours faithfully,

(Signature, name and designation of the Authorized Signatory)

7.2. PARTICULARS OF TENDERER :

1. Name of firm :

2. Communication address :

3. Telephone, Telex, Fax No :

5. E-mail :

6. Web site :

7. Name and designation of the representative
of the Tenderer to whom all references/
communications shall be made :

8. Amount of earnest money/bid security

deposited with instrument no / bank and date	:
10. Firm Registration number / details	:
11. Copies of ITR acknowledgement	:
12. GST Registration no	:
13. Materials specifications as per DSR 2016	:
14. PAC issued by BMTPC (to be submitted by the tenderer before issue of the work order)	:
15. Previous experience or work done by the Tenderer of similar nature of project.	:
16. Name and address of the manufacturer/ Authorized dealer (please attach authorization certificate).	:

**(Signature of Tenderer)
with seal**

7.3. EXPERIENCE:

(Details of Each Project) Use different sheet per project.

Item	
1. Title of the project	
2. Location	
3. No. of works/projects completed	
4. Entity/ Agency with which project has been executed	
5. Date of commencement of the project	
6. Date of completion/ commissioning	
7. Cost of the Project	
8. Scope of Work	

7.3.1. INSTRUCTIONS:

5.1.1. Tenderers are expected to provide information with respect to only Eligible/Qualified Projects.

5.1.2. Information provided in this section is intended to serve as a back-up for information provided in the TENDER.

5.1.3. An authentic experience certificate should be annexed with respect to each eligible/qualified Project from the Agency for which the project is executed.

5.1.4. Provide the estimated capital cost of each Eligible/Qualified Project.

9. CHECKLIST/DOCUMENTS TO BE SUBMITTED:

1. Firm registration Certificate.
2. GST Registration Certificate
3. Income Tax Return acknowledgements
4. Photocopy of PAN Card
5. List of Technical Staff (technical competency for construction)
6. List of projects completed – completion certificates
7. Self-declaration on letterhead that the firm is not blacklisted by any agency
8. Audited Statement of Accounts
9. EMD of Rs 50,000/-
10. DD for Rs 2000/- toward the cost of Tender Document in favour of
“Cane and Bamboo Technology Centre”
11. NOC from the village Headman/Chairman of the village Council/authority/Panchayat for executing construction works at Sovima Village.

Failure to submit the above documents will be summarily rejected.

8. TECHNICAL AND FINANCIAL BIDDINGS

DOCUMENT NO: BID 1

Name of work: -		BIDDING FOR THE TENDER FOR CIVIL WORKS IN THE CONSTRUCTION OF THE MAIN BUILDING OF THE PROPOSED BAMBOO BASED CRAFT CONCENTRATION CENTRE AT SOVIMA VILLAGE, NAGALAND.				
QUOTATIONS						
Sl. No.	Schedule No.	Item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)
A. Civil Works: -						
1		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed. 2.6.1) All kinds of soil	Cu.m	554.38		
2		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.50m	Cum	698.76		
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 4.1.4) 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size)	Cum	26.43		
4		Providing and laying in position reinforced cement concrete of specified grade excluding the cost of centering and shuttering, finishing and reinforcement-All work up to plinth level: 5.1.2) 1:1.5:3 (1cement:1.5coarse sand:2 graded stone aggregate 20mm nominal size)	Cum	126.02		
5		Reinforced cement concrete works in beams, suspended floors, roofs having slope upto 15 degree landings, balconies, shelevs, chajjas, lintels, bands, plain window sills, staircases and spiral staircases upto floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 5.3.1) 1:1.5:3 (1cement:1.5coarse sand:2 graded stone aggregate 20mm nominal size)	Cum	274.57		
6		Centering and shuttering including structting, propping etc. and removal of form work for: 5.9.1) Foundations, footings, bases of columns etc for mass concrete	Sqm	546.65		
		5.9.6) Columns, Pillars, piers, abutments, posts and struts	Sqm	469.62		
		5.9.5) Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	318.56		
		5.9.3) Suspended floors, roofs, landings, balconies	Sqm	584.31		

		and access platform				
7		Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.	Sqm	1420.04		
8		Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in: 6.1.1) Cement mortar 1:4 (1cement : 4 coarse sand)	Cum	34.28		
9		Half Brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in all shapes and sizes in: 6.13.2) Cement mortar 1:4 (1cement : 4 coarse sand)	Sqm	286.03		
10		Extra for brick walling for each subsequent floor or part thereof above the 1st floor level. (a) 112mm thick brick/ R.B wall	Sqm	286.03		
11		Cement concrete flooring 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 11.3.1) 40mm thick with 20mm nominal size stone aggregate.	Sqm	698.76		
12		Providing and laying damp proof course 50mm thick with cement concrete 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size)	Sqm	30.38		
13		Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per sqm on DPC after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	30.38		
14		Cement plaster skirting upto 30cm height, with cement mortar 1:3 (1cement:3 coarse sand) finished with a floating coat of neat cement. 11.6.1) 18mm thick	Sqm	72.90		
15		Making plinth protection 50mm thick of cement concrete 1:3:6 (1cement : 3coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm thick bed of dry brick ballast 40mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	Sqm	72.90		
16		Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (a) With sal wood	Cu.m	1.33		
17		Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevent I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. a) Decorative type face panel and block board core. (ii) 35 mm thick .	Sq.m	45.27		

18		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. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling CP brass / SS screws all complete as per architectural drawings and the directions of engineer in charge (glazing, panelling and dash fasteners to be paid for separately): 21.1.2) 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 complete 21.1.2.1) Anodised aluminium	Kg	2600.00		
19		Supplying and fixing rolling shutters of approved make, made of required size MS laths, interlocked together through their entire length and jointed together 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 27.50 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS -4454 part 1 and MS top cover of required thickness for rolling shutters. 10.6.1) 80x1.25 mm MS laths with 1.25mm thick top cover.	Sqm	11.73		
20		Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. including priming coat with approved steel primer all complete. 9.48.2) Fixed to openings / wooden frames with rawl plugs screws etc. (Total area of Winows = 30 sqm x 30kg/sqm =900kg)	Kg	900.00		
21		Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer in Charge) 0.50mm (+0.05%) total coated thickness with zinc coating 120grams per sqm as per IS:277, in 240mpa steel grade, 5-7 microns epoxy primer on both sides of the sheet and polyester top coat 15-18 microns. sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer in charge. the sheet shall be fixed using self drilling / self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal / vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	250.00		
22		Providing and fixing precoated galvanised iron sheet roofing accessories 0.50mm (+0.05%) total coated thickness, Zinc coating 120grams per sqm as per IS: 277 in 240 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling / self tapping screws complete.				
		Ridges plain (500-600mm)	metre	15.50		
23		20mm cement plaster of mix 13.6.1) 1:4 (1cement : 4 coarse sand)	Sqm	572.06		

24		12 mm cement plaster of mix 13.1.1) 1:4 (1cement : 4 fine sand)	Sqm	1320.00		
25		Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	1892.06		
26		Finishing walls with textured exterior paint of required shade : 13.45.1. New wrk (Two or more coats applied @ 3.84kg/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	572.06		
27		Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : 13.60.1 Two or more coats on new work	Sqm	1892.06		
28		Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat , preparation of surface complete. 13.52.1 on steel work	Sqm	450.00		
29		Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 5.22.6) Thermo-Mechanically Treated bars	Kg	57055.00		
30		Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department) a) Normal range Somany/ Orient/Nitco /Varmora/VITA/ Marbito/ Make ii) Of size 600mmx600mm and above	Sqm	1416.58		
31		Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls).a) Normal range Somany/ Orient/Nitco/Asian Makeii) Of size 200mmx300mm and above	Sqm	300.00		
32		18 mm thick Marble stone slab flooring of sizes 1200x1200 including treads and risers of steps, skirting, laid over 20 mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with marble slab of specified quality and shade at all levels. III) Kumari Slab	Sqm	60.00		
33		Providing polished granite tiles of approved quality, size and shape and thickness not less than 8mm, on walls over 15mm thick, cement mortar bed in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary, finished with flush pointing on wall with	Sqm	20.00		

		ordinary cement slurry mixed with approved pigment to match shade of tiles, complete at all levels as specified and directed.				
34		Steel work in built up Tubular (round, square or rectangular hollow sections etc.) trusses etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. 10.16.1) Hot finished welded type tubes.	Kg	5000.00		
B. Plumbing, Sanitary & Water Supply Works :-						
35		PFF all Exterior Sanitary Lines from individual toilets to Drain or Soak Pit with PVC pipes.	As/Dwg			
36		PFF all Plumbing Lines for Individual toilets with CPVC pipes and control valves to Septic Tank and Soakpit.	As/Dwg			
38		PFF 8WC, 12 WB and a SS Sink with floor trap, BiB cock, Pillar cocks and all sanitary fittings to each toilet	As/Dwg			

DOCUMENT NO: BID 2

Name of Work:- Bidding for providing Internal electrification for the Construction of the main building of the proposed Bamboo based craft concentration centre at Sovima Village, Nagaland.(Providing Internal Electrification)						
Internal Wiring						
Sl. No.	Description of works	Unit	Qty.	Rate(Rs)	Amt(Rs)	
1/1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
1.10.2	Group B	Each	232			
2/1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core	Each	26			

	cable etc. as required.					
3/1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	2300			
1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	1900			
1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtr	340			
1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Mtr	200			
4/1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required	Mtr	250			
5/1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.					
1.22.	100mmx100mmx60mm deep	Each	57			
6/1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					
1.24.1	5/6 A switch	Each	288			
1.24.2	2 way 5/6 A switch	Each	26			
1.24.3	15/16 A switch	Each	17			
1.24.4	3 pin 5/6 A socket	Each	56			
1.24.5	6 pin 15/16 A socket	Each	17			
1.24.7	TV antenna socket outlet	Each	4			
1.24.8	Bell push	Each	3			

7/1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	Each	59			
8/1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	Each	60			
9/1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required					
1.27.2	3 Module (100mmX75mm)	Each	57			
1.27.3	4 Module (125mmX75mm)	Each	17			
1.27.4	6 Module (200mmX75mm)	Each	20			
1.27.6	12 Module (200mmX150mm)	Each	20			
10/1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.					
1.28.2	3 Module	Each	57			
1.28.3	4 Module	Each	17			
1.28.4	6 Module	Each	20			
1.28.6	12 Module	Each	20			
11/1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required	Each	57			
12/1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	17			
13/1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	26			
14/1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	3			

15/2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
2.3.3	12 way , Double door	Each	2			
16/2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
2.5.1	4 way (4 + 12), Double door	Each	3			
17/2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.10.1	Single pole	Each	60			
2.10.3	Double pole	Each	8			
18/2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.14.2	40A	Each	8			

19/2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
2.15.3	63A	Each	6		
20/5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	4		
21/5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Mtr	200		
22/6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	4		
23/7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
7.1.2	Above 35 sq. mm and upto 95 sq. mm	Mtr	80		
24/9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
9.1.22	3½ X 50 sq. mm (35mm)	Mtr	4		

25/9.2	Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
9.2.19	3½ X 50 sq. mm	Each	4		
26/27.1	Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department [Without regulator].				
27.1.2	Premium model 1200 mm Sweep (ORIENT PSPO make) / Premium model 1050 / 1200 mm Sweep SS-390 Deco Havells make)	Each	59		
27/27.2	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department.				
27.2.1	Domestic				
27.2.1.5	Ventilator DX 200 mm sweep Louver type (ORIENT make), Brisk Air 200 mm sweep Louver type (Crompton make)	Each	9		
28/CE 6	Supplying fitting & fixing of LED Bulb non-dimmable in the existing batten / angle holder as required and as directed by the department (Jaquar or eqvt. make).				
b	Prima Series Bulb 7W	Each	26		
29/CE10	Supplying, fitting fixing of LED Batten Tubes high quality aluminium extruded with decorative end caps connection with 1.5 Sq.mm 1 core PVC insulated round copper conductor as required and as				

	directed by the department.					
b	BN 021C LED 20 S PSU CW GR S2	Each	36			
30/CE4	Supplying, installation, testing and Commission of the following indoor Decorative Recess mounted LED down lighter luminaries of model no- LESP01R009XC / LESP01R009XN /LESP01R009XW / L00957R000 / L00940R000 / L00930R000 /LD90-111 - XXX-65-XX complete with all accessories such as ballast, starter etc. In the false ceiling type Armstrong /Gypsum or similar ceiling mounting with necessary support with 1.5 sq.mm. P.V.C. insulated S.C.copper conductor as required and as directed by the department (Jaquar / LT / Wipro make).	Each	99			
31/18.19	Supplying including installation, commissioning of vermin and dust proof totally enclosed, Phosphatised Powder Painted cubical indoor type floor/wall mounting compartmentalize panel board of size 1.35M X 1.50MX 0.40M made of 16 SWG1.66 m thick C.R. sheet and 35mm X 35mm X 5mm size angle having 4 no legs at the bottom. The panel board is to be erected in 1 : 3 : 6 PCC foundation including brick soling / grouting etc. complete neatly Wiring done with provision for one no 125/160A 4pole MCCB or Switch Fuse Unit as incomer and provision for 8nos DP or TPN out going as specified and directed by the deptt. confirming to IP 43 protection comprising of the following electrical items:					

	1. 20mm X 3mm4 strip copper Bus-Bar 1.4 M length each				
	2. Digital 3 Phase Voltmeter Accuracy class 0.5 - 1 no				
	3. Digital 3 Phase Ammeter Accuracy class 0.5 - 1 no				
	4. Pilot Lamp with integral ckt LED 110- 230 V (Red, Yellow, & Blue- 3 no				
	5. Voltmeter & Ammeter Selector Switch - 2 no				
	6. 2 A Slide fuse unit - 3nos				
	(Incoming & Outgoing Switch Gear of reqd. rating will be measured and paid separately)	Each	1		
32/321.1	Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x10 sq mm.3x10 sq mm,4x6 sq mm balance all galvanised steel strip) , extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/ Havells/ RPG/CCI/Polycab/Gloster/ Finolex make) .				
32.1.3	3 & 1/2 Core A2XFY				
32.1.3.3	50.00 Sq. mm.3 & 1/2 Core armoured U.G. cable	Mtr	100		
	Added load security L/S	LS			

DOCUMENT NO: BID 3

Name of work :-		BIDDING FOR THE TENDER FOR CIVIL WORKS IN THE CONSTRUCTION OF GUEST HOUSE CUM STAFF QUARTER IN THE PROPOSED BAMBOO BASED CRAFT CONCENTRATION CENTRE AT SOVIMA VILLAGE, NAGALAND.				
QUOTATION						
Sl. No.	Schedule No.	Item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
(I)	(II)	(III)	(IV)	(V)	(VI)	(VII)
A. Civil Works :-						
1		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed. 2.6.1) All kinds of soil	Cu.m	198.13		
2		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.50m	Cum	162.79		
3		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 4.1.4) 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size)	Cum	9.39		
4		Providing and laying in position reinforced cement concrete of specified grade excluding the cost of centering and shuttering, finishing and reinforcement- All work up to plinth level: 5.1.2) 1:1.5:3 (1cement:1.5coarse sand:2 graded stone aggregate 20mm nominal size)	Cum	36.42		
5		Reinforced cement concrete works in beams, suspended floors, roofs having slope upto 15 degree landings, balconies, sheleves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases upto floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 5.3.1) 1:1.5:3 (1cement:1.5coarse sand:2 graded stone aggregate 20mm nominal size)	Cum	158.43		
6		Centering and shuttering including structting, propping etc. and removal of form work for: 5.9.1) Foundations, footings, bases of columns etc for mass concrete	Sqm	175.65		
		5.9.6) Columns, Pillars, piers, abutments, posts and struts	Sqm	300.51		
		5.9.5) Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	112.94		

		5.9.3) Suspended floors, roofs, landings, balconies and access platform	Sqm	293.66		
7		Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.	Sqm	414.07		
8		Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in: 6.1.1) Cement mortar 1:4 (1cement : 4 coarse sand)	Cum	19.70		
9		Half Brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in all shapes and sizes in: 6.13.2) Cement mortar 1:4 (1cement : 4 coarse sand)	Sqm	789.84		
10		Extra for brick walling for each subsequent floor or part thereof above the 1st floor level. (a) 112mm thick brick/ R.B wall	Sqm	789.84		
11		Cement concrete flooring 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 11.3.1) 40mm thick with 20mm nominal size stone aggregate.	Sqm	162.79		
12		Providing and laying damp proof course 50mm thick with cement concrete 1:2:4 (1cement:2coarse sand:4 graded stone aggregate 20mm nominal size)	Sqm	15.80		
13		Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per sqm on DPC after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	Sqm	15.80		
14		Cement plaster skirting upto 30cm height, with cement mortar 1:3 (1cement:3 coarse sand) finished with a floating coat of neat cement. 11.6.1) 18mm thick	Sqm	37.92		
15		Making plinth protection 50mm thick of cement concrete 1:3:6 (1cement : 3coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm thick bed of dry brick ballast 40mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	Sqm	37.92		
16		Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kericide oiling to the timber faces in contact with C.C and masonry as directed and specified. (a) With sal wood	Cu.m	2.14		
17		Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevent I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws. a) Decorative type face panel and block board core. (ii) 35 mm thick .	Sq.m	69.90		

18		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. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / pannelling CP brass / SS screws all complete as per architectural drawings and the directions of engineer in charge (glazing, panelling and dash fasteners to be paid for separately): 21.1.2) 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 complete 21.1.2.1) Anodised aluminium	Kg	1162.20		
19		Providing and fixing MS grills of required pattern in frames of windows etc. with MS flats, square or round bars etc. including priming coat with approved steel primer all complete. 9.48.2) Fixed to openings / wooden frames with rawl plugs screws etc. (Total area of Winows = 30 sqm x 30kg/sqm =900kg)	Kg	900.00		
20		20mm cement plaster of mix 13.6.1) 1:4 (1cement : 4 coarse sand)	Sqm	1579.68		
21		12 mm cement plaster of mix 13.1.1) 1:4 (1cement : 4 fine sand)	Sqm	540.96		
22		Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	2120.64		
23		Finishing walls with textured exterior paint of required shade : 13.45.1. New wrk (Two or more coats applied @ 3.84kg/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	Sqm	1579.68		
24		Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : 13.60.1 Two or more coats on new work	Sqm	2120.64		
25		Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat , preparation of surface complete. 13.52.1 on steel work	Sqm	450.00		
26		Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 5.22.6) Thermo-Mechanically Treated bars	Kg	23111.00		
27		Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department) a) Normal range	Sqm	649.15		

		Somany/ Orient/Nitco /Varmora/VITA/ Marbito/ Make ii) Of size 600mmx600mm and above				
28		Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf) /white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately). (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls). a) Normal range Somany/ Orient/Nitco/Asian Make ii) Of size 200mmx300mm and above	Sqm	300.00		
29		18 mm thick Marble stone slab flooring of sizes 1200x1200 including treads and risers of steps, skirting, laid over 20 mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with marble slab of specified quality and shade at all levels. III) Kumari Slab	Sqm	50.00		
30		Providing polished granite tiles of approved quality, size and shape and thickness not less than 8mm, on walls over 15mm thick, cement mortar bed in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary, finished with flush pointing on wall with ordinary cement slurry mixed with approved pigment to match shade of tiles, complete at all levels as specified and directed.	Sqm	16.20		
B. Plumbing, Sanitary & Water Supply Works: -						
31		PFF all Exterior Sanitary Lines from individual toilets to Drain or Soak Pit with PVC pipes.	As/Dwg			
32		PFF all Plumbing Lines for Individual toilets with CPVC pipes and control valves to Septic Tank and Soakpit.	As/Dwg			
33		PFF 6WC, 12 WB and 6 SS Sink and 6showers with floor traps, BiB cocks, Pillar cocks and all sanitary fittings to each toilet	As/Dwg			

DOCUMENT NO: BID4

Name of work:- Providing Internal Electrification in the construction of proposed Guest House cum staff quarter for the proposed Bamboo Based Craft Concentration Centre at Sovima Village, Nagaland.						
Internal Wiring						
Sl. No.	Description of works	Unit	Qty.	Rate(Rs)	Amt(Rs)	
1/1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
1.10.1	Group A	Each	114			
2/1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Each	20			
3/1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	1200			

1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	650			
1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtr	360			
1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Mtr	300			
4/1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required	Mtr	550			
5/1.22	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.					
1.22.	100mmx100mmx60mm deep	Each	45			
6/1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					
1.24.1	5/6 A switch	Each	200			
1.24.2	2 way 5/6 A switch	Each	14			
1.24.3	15/16 A switch	Each	18			
1.24.4	3 pin 5/6 A socket	Each	84			
1.24.5	6 pin 15/16 A socket	Each	18			
1.24.7	TV antenna socket outlet	Each	6			
1.24.8	Bell push	Each	6			
7/1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	Each	24			
8/1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	Each	50			
9/1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required					
1.27.2	3 Module (100mmX75mm)	Each	18			
1.27.3	4 Module (125mmX75mm)	Each	8			
1.27.4	6 Module (200mmX75mm)	Each	30			

1.27.6	12 Module (200mmX150mm	Each	18			
10/1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.					
1.28.2	3 Module	Each	18			
1.28.3	4 Module	Each	8			
1.28.4	6 Module	Each	30			
1.28.6	12 Module	Each	18			
11/1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required	Each	84			
12/1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	18			
13/1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	42			
14/1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	6			
15/2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
2.3.3	12 way , Double door	Each	6			
16/2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.10.1	Single pole	Each	70			

2.10.3	Double pole	Each	12			
17/2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.14.2	40A	Each	12			
18/5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	4			
19/5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Mtr	200			
20/6.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	4			
21/7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
7.1.2	Above 35 sq. mm and upto 95 sq. mm	Mtr	80			
22/9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
9.1.22	3½ X 50 sq. mm (35mm)	Mtr	4			

23/9.2	Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
9.2.19	3½ X 50 sq. mm	Each	4		
24/27.1	Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department [Without regulator].				
27.1.2	Premium model 1200 mm Sweep (ORIENT PSPO make) / Premium model 1050 / 1200 mm Sweep SS-390 Deco Havells make)	Each	24		
25/27.2	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department.				
27.2.1	Domestic				
27.2.1.5	Ventilator DX 200 mm sweep Louver type (ORIENT make), Brisk Air 200 mm sweep Louver type (Crompton make)	Each	12		
26/CE 6	Supplying fitting & fixing of LED Bulb non-dimmable in the existing batten / angle holder as required and as directed by the department (Jaquar or eqvt. make).				
b	Prima Series Bulb 7W	Each	42		
27/CE10	Supplying, fitting fixing of LED Batten Tubes high quality aluminium extruded with decorative end caps connection with 1.5 Sq.mm 1 core PVC insulated round copper conductor as required and as				

	directed by the department.					
b	BN 021C LED 20 S PSU CW GR S2	Each	24			
28/CE4	Supplying, installation, testing and Commission of the following indoor Decorative Recess mounted LED down lighter luminaries of model no- LESP01R009XC / LESP01R009XN /LESP01R009XW / L00957R000 / L00940R000 / L00930R000 /LD90-111 - XXX-65-XX complete with all accessories such as ballast, starter etc. In the false ceiling type Armstrong /Gypsum or similar ceiling mounting with necessary support with 1.5 sq.mm. P.V.C. insulated S.C.copper conductor as required and as directed by the department (Jaquar / LT / Wipro make).	Each	12			
29/18.19	Supplying including installation, commissioning of vermin and dust proof totally enclosed, Phosphatised Powder Painted cubical indoor type floor/wall mounting compartmentalize panel board of size 1.35M X 1.50MX 0.40M made of 16 SWG1.66 m thick C.R. sheet and 35mm X 35mm X 5mm size angle having 4 no legs at the bottom. The panel board is to be erected in 1 : 3 : 6 PCC foundation including brick soling / grouting etc. complete neatly Wiring done with provision for one no 125/160A 4pole MCCB or Switch Fuse Unit as incomer and provision for 8nos DP or TPN out going as specified and directed by the deptt. confirming to IP 43 protection comprising of the following electrical items:					

	1. 20mm X 3mm ⁴ strip copper Bus-Bar 1.4 M length each				
	2. Digital 3 Phase Voltmeter Accuracy class 0.5 - 1 no				
	3. Digital 3 Phase Ammeter Accuracy class 0.5 - 1 no				
	4. Pilot Lamp with integral ckt LED 110- 230 V (Red, Yellow, & Blue- 3 no				
	5. Voltmeter & Ammeter Selector Switch - 2 no				
	6. 2 A Slide fuse unit - 3nos				
	(Incoming & Outgoing Switch Gear of reqd. rating will be measured and paid separately)	Each	1		
30/321.1	Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x10 sq mm.3x10 sq mm,4x6 sq mm balance all galvanised steel strip) , extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/ Havells/ RPG/CCI/Polycab/Gloster/ Finolex make) .				
32.1.3	3 & 1/2 Core A2XFY				
32.1.3.3	50.00 Sq. mm.3 & 1/2 Core armoured U.G. cable	Mtr	80		
	Added load security L/S	LS			

END OF DOCUMENT.

ANNEXURES