

OFFICE OF THE EXECUTIVE ENGINEER, JDA, DIVISION NO II, JAMMU

N.I.T. No. JDA/ II/NIT/11-12/ 48

Dated: 3.2.2012

NOTICE INVITING TENDERS

For and on behalf of Jammu Development Authority, Jammu sealed tenders affixed with Revenue stamps worth Rs. 5/- and valid for a period of 90 days from the date of opening are invited from REGISTERED ELECTRICAL CONTRACTORS the work whose particulars are given below:

THE TENDERS CAN BE SUBMITTED BY REGISTERED/ SPEED POST ONLY AND SHALL BE ENTERTAINED ONLY IF RECEIVED WITH IN DUE DATE AND TIME.

S.N	Name of the work	App. cost of work	Estmoney	Period of completion	Class of contractor	Cost of Tender
1.	Internal electrification of Accounts and Treasury Building at Muthi for basement Ground Floor, 1st Floor & IInd Floor including Electrical Panels, Cables and Earthing etc.	Rs. 89.60 Lacs	Rs. 179200/-	As per Civil Construction Works	Registered "A" class Electrical Contractors	Rs. 5000/- non refundable

Terms and conditions

The tender document for the work containing all the terms and conditions, technical specifications of the work can be downloaded from the web site of JDA (www.jdajammu.in) any person who is not having access to internet or website of JDA can get the copy of the tender document/Form from the computer section of JDA, Head office Vikas Bhawan, RHC Jammu. The cost of tender documents/ form amounting to Rs. 5000/- (Rs. Five Thousand) non-refundable shall be enclosed with the tender in the shape of Demand Draft (non-refundable) drawn in favour of FA & CAO, JDA, Jammu.

The tender duly filled in should be addressed to the official designation of the Superintending Engineer, JDA, Panama Chowk, Jammu on or before 18.2.2012 up to 1400 hours. The tender shall be opened on the same day or any other subsequent convenient date in presence of such tenders or their representative who may like to remain present at the time of opening.

The tender shall submitted by adopting three envelop system as per the procedure marked envelop No 1 i.e. "Qualification bid", Envelop No.2 i.e. "price bid" and both these envelopes No 1 and no. 2 shall contained in 3rd envelope. Envelop No.1 and envelop No. 2 shall contain following documents.

ENVELOP NO. 1

This sealed envelope superscribed as "Qualification Criteria" shall contain the following information and documents.

- 1/ CDR of an amount as mentioned above duly pledged in favour of the Superintending Engineer, JDA, Jammu.
- 2/ Attested copy of contractor's license duly renewed up to date.
- 3/ Present address of the contractor duly attested by the 1st class Magistrate/Notary or a Gazetted officer.
- 4/ Attested copy of Income Tax (PAN NO.) and Sales Tax clearance certificate for the proceeding year.
- 5/ satisfactorily completed as a prime contractor at least one single similar nature of work (Internal Electrification Work) value not less than less the value of Rs. 20 00 lacs to this effect and a certificate is to be attached, issued by not less than the rank of Executive Engineer.

Contd. No.2


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ENVELOP No.2

- a) This envelop shall contain price bid of the tenderer. However appreciation/depreciation can be quoted for unforeseen items.

ENVELOP NO. 3

The tenders shall be submitted in sealed envelop and following details shall be super scribed on the envelop (3rd envelop contained envelop No.1 and envelop No.2)

- a) Name of the work
b) Name/address of the tenderer
c) Due date and time of opening.

OPENING OF TENDERS:

- a) In the first instance, envelope marked-1 shall be opened on the same day or any other subsequent date convenient to the opening authority.
b) The envelope marked -2 shall be opened in respect of those tenderers only who qualify on the basis of documents contained in the envelope marked-1 and have met the eligibility criteria. The decision of the authority in this context shall be final.

TERMS AND CONDITIONS:

- 1/- The tenders received after expiry of due date and time shall not be entertained. In case of holiday, the tenders shall be received on next working day.
2/- In the event of due date of issue/opening of tenders declared/falls as holiday, the tenders shall be issue/opened on next working day or any other convenient date.
3/- The date of start of the work shall be reckoned from the 7th day from the date of issue of allotment.
4/- The opening authority reserves the right to accept or reject any or all the tenders without assigning any reasons thereof.
5/- The quantities advertised are tentative and may increase or decrease during actual execution of the work upto 25%.
6/- In case of delay in completion of the work, penalty @ Rs. 3000/-per day shall be imposed for the delayed period.
7/- The work shall be executed by the allottee as per approved specifications, the make given in the annexure "A"/rate list of this NIT.
8/- In case of any material found defective, sub-standard, the same shall have to be replaced/removed by the contractor for which no extra charges shall be paid by the department.
9/- The tenderer shall be responsible for any settlement of claims arising, due to accident during the execution of the work and all labour claims of this work shall be settled by the contractor at his own risk & cost.
10/- JDA shall be at liberty to terminate the contract before the expiry of contract period, if contractor violates any of the contractors obligations. In such case penalty as warranted under rules shall be imposed upon the contractor, which includes forfeiture of his security deposit/CDR.

Contd. No.3

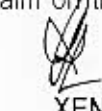

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- 11/- JDA discourages stipulation of additional conditions by the tenderer.
- 12/- The conditional tenders shall be liable for rejection by the opening authority
- 13/- All corrections, interpolation or cutting in the tender shall be attested with the dated signatures.
- 14/- The tenderer shall quote his/her rates both in words and figures.
- 15/- The tenders not properly filled, mutilated with incorrect and generally not complying with the conditions may be rejected.
- 16/- The allottee shall be bound by all labour laws in force with the amendments made thereof from time to time.
- 17/- **INDEMNITY AND INSURANCE;** The contractor shall keep indemnified the JDA against all the losses and claim or injuries or damages to any persons or property which may arise out of or in consequences of this contract.
- 18/- **ARBITRATION;** The contractor shall not (except with the consent in writing of JDA) refer any matter for arbitration. The venue of the arbitration shall be at Jammu.
- 19/- **LEGAL DISPUTES;**
The jurisdiction for all legal disputes if any shall be of Jammu courts.
- 20/- **FORCE MAJURE;**
If during the currency of contract, there is any out break of war, which whether financially or otherwise affect the execution/running of the contract, the allottee unless contract is terminated under provision of this clause shall make his best efforts to complete the contract. However after out break of such war, JDA shall be entitled to terminate the contract at any time by giving notice in writing. Force Majure is hereby defined any clause which is beyond the control of JDA/allottee and which consequently affects the performance of the contract.
- 21/- The intending tenderer shall inspect the site in order to acquaint himself with the nature of the job involved.
- 22/- The rate will cover all transportation charges and local taxes and other taxes including loading and unloading at the site of the work.
- 23/- The work shall be deemed to be completed only after the site has been cleared of all dismantled useable/un-useable material.
- 24/- If during the currency of contract, the price of any material increases, no claim on this account shall be entertained.

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- 25/- Any item found necessary at site of work, though not advertised shall have to be executed by the contractor and the same shall be paid as per actual after authentication by the Engineer- Incharge.
- 26/- 10% deposit shall be kept from each running bill of the contractor, out of which 50% shall be released on virtual completion of the work, if no penalty is involved and then 50% deposit shall be released after expiry of defects and liability period of twelve months is over or as warranty given by the manufacturer of the product.
- 27/- Income Tax, Service Tax and other taxes as admissible under rules shall be deducted on gross amount of the contractor's bill as per prevalent scale
- 28/- It shall be presumed that the address for correspondence given by the tenderer in his tender form complete and correct one, every correspondence by this office shall be made on the same address, non-compliance or receipt of letter by the contractor because of wrong/incorrect address given by him in the tender shall not be responsibility of this organization.
- 29/- The rates are inclusive of hire charges of special tools, plants, machinery required for completion of the work.
- 30/- The rates are inclusive of Toll Tax, Royalty, Sales Tax, Octroi Charges and other local taxes to be paid by the contractor in bringing the material at the site of the work.
- 31/- The intending tenderer will examine carefully the general conditions of the contract, the specifications and the drawings in the office of the Executive Engineer, JDA Div. No.II on any working day during office working hours. He will visit the site and inspect the site on his own expenses/responsibility and obtained all the information which may be necessary for purpose of making the tender. No excuse of ignorance of any conditions of the tenderer shall be accepted.
- 32/- In case of any item is not required to be executed, the same shall be deleted and no claim on this account shall be entertained.
- 33/- In case of construction material dumped at site by the contractor during the execution of work is damaged or washed away due to torrential rains, floods or any other reasons what so ever, no claim/compensation on this account shall be paid to the contractor.
- 34/- The contractor is bound to start the work within the time stipulated in the allotment after drawl of agreement with the department. In case of failure on part of the contractor to execute the work in part or full shall amount to breach of the contract.
- 35/- All terms and conditions of the NIT/Agreement shall be binding upon the contractor. The terms and conditions contained in the general conditions of JDA contract shall also be applicable to the contractor.

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- 36/- In case of contractor fails to start the work within stipulated time a Registered notice or notice through special messenger sent to the contractor for non-compliance of this work shall be served upon the contractor for such breach of the contract forming substantial /sufficient reasons for annulment of the contract.
- 37/- The accepting authority reserves the right to accept or reject any or all the tenders before or after their opening without assigning any reasons thereof, the allotting authority in exceptional circumstances reserves the right for granting the contract to any of the tenderer if deemed proper in the interest of the work, of course at the lowest rates received without assigning any reasons thereof.
- 38/- The department may execute the work left over by the contractor at his risk and cost, any additional amount if involved for execution of such work shall be recovered from the contractor.
- 39/- The contractor/firm shall be personally liable for civil and criminal persecution under law, if any at any stage during the execution of the work or even after completion of the work, specification of the work/material used are found contravention to the prescribed specification.
- 40/- The contractor/firm will provide all the necessary assistance to the Engineer-Incharge for inspection of his plant/work and will be responsible for any indiscipline by him or his agent at the site of work.
- 41/- in case of contractor/agency fails to execute the work, action will be taken against him according to the following conditions:
 - a) In case of failure of the contractor to execute the work that amounts to be breach of the contract.
 - b) His CDR will be forfeited and he will be debarred from tendering for the works in future.
 - c) His case will be recommended for black listing for breach of the contract.
 - d) A registered notice sent through special messenger to the contractor for non-start of the work that amount to breach of the contract will be sufficient to wind up or cancel his contract.
 - e) In case of failure to start within ten days from the issue of allotment letter of his contract will be cancelled and allotted to the 2nd lowest tenderer at his risk and cost of the contractor.
 - f) The department may execute the work left by the contractor at any additional amount involved for execution of work will be recovered from other claims/resources of the contractor.
- 42/- Any item found not necessary at site during, execution of the work can be deleted and no claim what so ever shall be entertained on this account.
- 43/- Correction slip if ant found in the tender, offering raising or lowering their rates of dealing with any point or points, the concerned will not be considered at all not will be allotment of the work be influenced by these correction slips.
- 44/- Nothing extra shall be paid on account of loading/un-loading of material at site of the work.
- 45/- For any dispute between the contractor and department. the Vice Chairman, JDA shall act at an arbitrator whose decision shall be final and binding upon both the parties. Provision of J&K Arbitration Act with latest amendments shall be applicable.

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- 46/- PWD account code shall be applicable for making payment to the contractor that provided for with holding 10% of amount of bill as contractor's deposit.
- 47/- The material issued to the contractor but found short will be recovered from his deposits, bills at one and half times stock rate of the department.
- 48/- Quality of material and workmanship: The quality of equipment/material to be used by the contractor at site shall be highest class of workmanship in respect of durability, strength and engineering protectness. The material used shall be new unused and conforming to the approved make of the department.
- 49/- The department if found necessary may change or amend this specifications and other conditions after issue of NIT/rate list, but will the last date of sale of tender and the intending tenderer shall be intimated accordingly.
- 50/- **Commencement of Work:** In case of contractor fail to comply to terms and conditions of the contract or fails to replace the defective material/equipments within the stipulate period, the department shall with prejudice to other remedies available to it under law, be competent to terminate the contract after days clear notice to the contractor and forfeiture of his security deposit, therefore penalty of 10% of the value of the contract shall be imposed if the contractors fails to execute the work in time maintain the system.
- 51/- **Important Note:** The electrical equipments to be of approved make only conforming to required specification.
- 52/- The Engineer Incharge reserves the right to :-
 - i) Have any or all random samples of materials checked and tested and the contractor will have bear all such charges.
 - ii) Material shall be brought to the site in original packages, manufacturer's test certificate and invoice of all materials shall be handed over to the site Engineer on demand.
 - iii) A documentary proof of the Excise duty/gate pass of the above material shall be produced at time of verifications of the material at site.
- 53/- The contractor shall provide junction boxes/looping boxes of all required sizes as per conduit wiring without any extra cost.
- 54/- The department is not bound to accept the lowest tender and reserves the right to accept the whole or portion of the tender as it may fit without assigning any reason thereof. The contract shall be consider as the contract as per the J&K Contractor's Act. As soon as acceptance of the tender is communicated to the successful tenderer, the contractor shall execute an agreement with the department within a period of seven days from the date of allotment.


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- a) The contractor shall make his own arrangement for water, electricity, storing facility, watch and ward of the material till handing over the system to the department.
- b) before releasing the payment the contractor shall provide the following documents:-
 - i) Original invoice from the manufacturer/authorized dealer
 - ii) Test certificate of the electrical material used.
 - iii) Inspection clearance for the system fitness issued by the J&K Inspection Agency of the Power Development Department.

- 55/- All repair and patch work shall be neatly carried out to match the original finish.
- 56/- The work shall be treated as completed when the installation is handed over to the department, all the defects are removed to the entire satisfaction of the Engineer Incharge.
- 57/- All the material to be used on the work shall have to be got approved from the Engineer Incharge before the same are used.
- 58/- The scope of work comprised of supply.laying/ installation/testing and commissioning of electrical wiring PVC recess/ surface conduit for lighting,heating, Air-conditioning points etc. including providing of main,sub main control panels as and where required as per design parameters provided by the department setting up of sub-station and other allied works.
- 59/- Watch and ward of the material shall be responsibility of the contractor.
- 60/- All other terms and conditions as are in vogue in this office shall form a part of this NIT.
- 61/- The Department shall deduct 1% cess on cost of construction and deposit the same with the Building and other construction workers Welfare Board (Labour Deptt).

NO: JDA/II/NIT/2748-60
Dated: 03-02-2012


Executive Engineer,
JDA Division No II,
Jammu

Copy to the:-

- 1/- Vice-Chairperson, Jammu Dev. Authority Jammu for information.
- 2/- Superintending Engineer, JDA, Jammu for information.
- 3/- Financial Advisor and CAO, Jammu for information.
- 4/- Executive Engineer, JDA, Div. No.I, Jammu for information.
- 5-8/ Asst Ex-Engineer, JDA, Sub-Division No. I,II,III, and Electric Sub-Div. JDA, Jammu.
- 9/ ✓ Sr. Programmer, JDA Jammu for information.
- 10/ President Contractor Association, Jammu for information.
- 11-12/ Head Draftsman/Asstt. Accounts Officer JDA Division No II Jammu .
- 13/ Tender Notice Board.

Rate list for Internal Electrification of Accounts and Treasury Building at Muthi for Basement Ground, 1st, 2nd floors including Electric panels, Cables and Earthing etc

S.NO	DESCRIPTION	UNIT	QTY	Rate to be Quoted by Tenderer.
1	Point wiring in PVC conduit, with Modular type switch: Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in existing surface/recessed PVC conduit, existing deep junction boxes, existing G.I. boxes for Modular switches and surface junction boxes and with top plates. Modular type and Modular switches and earthing the point with 1.5 sq.mm FRPVC insulated copper conductor single core cable etc as required in Slab For Basement and Ground Floor. (make- Polycab, phenolex, Havell's)	Point	527	
2	Point wiring in PVC conduit, with Modular type switch: Wiring for light point/fan point/exhaust fan point/call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed PVC conduit, deep junction boxes, G.I. boxes for Modular switches and surface junction boxes and with top plates. Modular type and Modular switches and earthing the point with 1.5 sq.mm FRPVC insulated copper conductor single core cable etc as required in Slab. For First Floor and Second Floor (make- Polycab, phenolex, Havell's)	Point	815	
3	Power plug wiring in PVC conduit (2x6sq.mm) FOR AC Wiring for light/power plug with 2x6 sqmm FR PVC insulated copper conductor single core cable in existing surface /recessed PVC conduit along with 1 NO. 6 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required. (make- Polycab, phenolex, Havell's)	Meter	5000	
4	Power plug wiring in PVC conduit (2x4sq.mm) FOR 15A SOCKETS Wiring for light/power plug with 2x4 sqmm FR PVC insulated copper conductor single core cable in existing surface /recessed PVC conduit along with 1 NO. 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required. (make- Polycab, phenolex, Havell's)	Meter	6000	
5	Wiring for circuit/submains wiring along with earth wire in existing PVC insulated copper conductor, single core cable in existing surface /recessed PVC conduit as required in Slab (make- Polycab, phenolex, Havell's) For Basement and Ground Floor			
	2x2.5sqmm + 1x2.5 sq.mm earth wire (Circuit wires)	meter	2500	

AMOUNT. Rs 89.60 lacs. Completion period. Along with civil works.

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(Signature)

6	Wiring for circuit/submains wiring alongwith earth wire in PVC insulated copper conductor, single core cable in surface /recessed PVC conduit as required in Slab. (make- Polycab,phenolox,Havell's) For First Floor and Second Floor	meter	2500
	2x2.5sqmm + 1x2.5 sq.mm earth wire(Circuit wires)		
7	Wiring for circuit/submains wiring alongwith earth wire in PVC insulated copper conductor, single core cable in surface /recessed PVC conduit as required in floor. (make- Polycab,phenolox,Havell's)	meter	10000
	2x2.5sqmm + 1x2.5 sq.mm earth wire (5A SOCKETS ON GENERATOR)		
8	S/F power plug point Modulator type accessories: Supplying and fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 amp modular socket outlet 15/16 amps modular type switch, connection,painting etc.as required. (make- Crabetree,Havell's,ABB)	Each	430
9	S/F power plug 5/6 Amp modulator type accessories: Supplying and fixing 3 pin 5 /6 Amp modular socket on existing modular switch board , connection,painting etc.as required. (make- Crabetree,Havell's,ABB)	Each	100
10	S/F power plug point 5/6 A Modulator type accessories: Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing (1x3) 5/6 (a set of three sockets)modular socket outlet & modular type switch, connection,painting etc,as required. (make- Crabetree,Havell's,ABB) (on generator)	Each	430
11	Supplying and fixing 2 pair ,.5 Sqmm FR PVC insulated copper conductor, unarmoured telephone cable in surface/recessed PVC conduit as required. (make- Polycab,phenolox,Havell's)	Each	13000
12	Supplying and fixing Co-axial T V cable RG-6 grade , in surface/recessed PVC conduit as required. (make- Polycab,phenolox,Havell's)	meter	300
13	Supplying and fixing Telephone socket outlet Metal box and cover as required.(make- Crabetree,Havell's,ABB)	Each	460
14	Supplying and fixing T.V(LCD) socket outlet with top including Metal box as required.(make- Crabetree,Havell's,ABB)	Each	30
15	Supplying and fixing Industrial type socket outlet with mcb including Metal box and 40 A DP Mcb as requircd complete.(make- Crabetree,Havell's,ABB)	Each	70

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16	<p>MAIN PANNEL Supplying , installation ,testing and commissioning of MAIN PANNEL suitable for operating 433 V,50 Hz, 3 Set phase,4 wire , powder coated,dust&vermin proof,fabricated out of 2mm thick sheet , Bus bar 2000 A,TPN ALUMINUM with suitable selector switches and Phase Indicators 1600, 4P ACB (Microprocessor Controlled) -1 NO. OUTGOING: 630 4P, MCCB(50KA) = -2NOS 250 A 4P, MCCB(36KA) = 11NO,</p>	EACH	1	
17	<p>GENERATOR PANNEL Supplying , installation ,testing and commissioning of GENERATOR PANNEL suitable for operating 433 V,50 Hz, 3 Set phase,4 wire , powder coated,dust&vermin proof,fabricated out of 2mm thick sheet , Bus bar 800 A,TPN ALUMINUM with suitable selector switches and Phase indicators. 630, 4P ,MCCB (50KA) OUTGOING: 200 A ,4P, MCCB(36KA) = 10 NO ,400 A,4P,MCCB(36KA) = 2 NO</p>	EACH	1	
18	<p>GENERATOR-SUB PANNEL Supplying , installation ,testing and commissioning of GENERATOR SUB PANNEL suitable for operating 433 V,50 Hz, 3 Set phase,4 wire , powder coated,dust&vermin proof,fabricated out of 2mm thick sheet , Bus bar 500 A,TPN ALUMINUM with suitable selector switches and Phase indicators. INCOMMER 400, 4P,MCCB(36KA) -1 NO. OUTGOING: 100A,4P,MCCB(36KA) = 12NO</p>	EACH	1	

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19	<p>POWER FLOOR PANNEL (wall mounted) Supplying , installation ,testing and commissioning of POWER FLOOR PANNEL suitable for operating 433 V,50 Hz, 3 Set phase,4 wire , powder coated,dust&vermin proof,fabricated out of 2mm thick sheet , Bus bar 500 A,TPN ALUMINUM with suitable Phase indicators</p> <p>INCOMMER 250, 4P ,MCCB (36KA) -1 NO.</p> <p>OUTGOING: 100 A,4P (36KA) MCCB = 2 NO, 16 A ,SP MCB (16KA) - 35 NO, 40 A ,SPN (16KA) MCB -10 NO</p>	EACH	8	
20	<p>LIGHT FLOOR PANNEL (wall mounted) Supplying , installation ,testing and commissioning of LIGHT FLOOR PANNEL suitable for operating 433 V,50 Hz, 3 Set phase,4 wire , powder coated,dust&vermin proof,fabricated out of 2mm thick sheet , Bus bar 500 A,TPN ALUMINUM with suitable Phase indicators</p> <p>INCOMMER 200, 4P ,MCCB (36KA) -1 NO.</p> <p>OUTGOING: 6A,SP MCB(16KA) = 30 NO, 40A SPN - 4NO AND 100 A,4P MCCB (36KA) MCB - = 2 NO,</p>	EACH	8	
21	<p>POWER (5A GEN FLOOR PANNEL) (wall mounted) Supplying , installation ,testing and commissioning of POWER (5A SOCKETS ON GEN) suitable for operating 433 V,50 Hz, 3 Set phase,4 wire , powder coated,dust&vermin proof,fabricated out of 2mm thick sheet , Bus bar 300 A,TPN ALUMINUM with suitable Phase indicators</p> <p>INCOMMER 100, 4P ,MCCB (36KA) -1 NO.</p> <p>OUTGOING: 63 A,4P,MCCB(16KA) - 2NO, 10A,SP (16KA) MCB = 36 NO,</p>	EACH	8	


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22	Supplying and fixing three pole and natural, prewired, sheet steel, mcb distribution board, 415 volts, on surface /recess, complete with loose wire box, terminal blocks, duty prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, natural link, earth wire, din bar, detachable gland plate, interconnections, phosphatized and power painted including earthing etc, as required without mccb and mcbs	EACH	24
23	12 way (4 + 36), Double door, 300A BUS BAR		
	Supplying and fixing the following Amp mcbs and mcb in existing mcb board	EACH	16
A	100A, 4P, MCCB (36KA)	EACH	8
B	63 A, 4P, MCCB (16KA)	EACH	280
C	16 A, SP, MCB (16KA)	EACH	288
D	10 A, SP, MCB (16KA)	EACH	240
E	6 A, SP, MCB (16KA)		
24	Supplying, testing and Commissioning of following sizes cables/wires, complete as required	Meter	150
A	600 Sqmm, 3.5 Core Al.Ar. Cable	Meter	300
B	300 Sqmm, 3.5 Core Al.Ar. Cable	Meter	200
C	120 Sqmm, 3.5 Core Al.Ar. Cable	Meter	400
D	4 X 35 sqmm CU wire + 2 X 16 Earth wire (Sub mains L&P)	Meter	200
E	4 x 10 Sqmm CU wire + 2 X 10 Earth wire (Sub Mains Gen)	Meter	2000
F	2 x 2.5 Sqmm Cu wire + 1X 2.5 Earth Wire (for HPSV fitting in PVC pipe)		
25	G.I. earth plate Electrode: Earthing with copper earth plate 600mm x 600mm x 12 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with salt/ Charcoal for G.I. plate earth electrode as required.	Set	20

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26	Supplying and laying 25mm x 5mm G.I. strip at 0.50 meter below ground as strip earth electrode, including soldering etc, as required.	Meter	500
27	Supplying & installation of Cable Trey Ladder Type (Slotted) 450 x 40 x 40 x 2 mm with Square hallow pipe 40 x 40 mm @ 20mm centre to centre.	Meter	100
28	Supplying & installation of Cable Trey G.I. Galvanised. 450 x 40 x 40 x 2 mm	Meter	100
29	Supplying and laying of rubber mat 1mx 1m ISI marked	EACH	15
30	Supplying and laying of Cat 6 cable for computers in surface/recess PVC conduit 2mm thick	Meter	15000
31	Supplying and installation of networking tag block including Jack	EACH	300

Note:- Material to be used:-

1. Pre Conduit (Heavy duty ISI) make - Dolphin, Poly pack, Shelimar.
2. Pre Copper Conductor and Cables ISI - Havel's Poly Lab, CCI, Shelimar, Anchor.
3. Fan Box, Deep Junction box Heavy duty - Gupta Parkash.
4. Switches, Sockets, step up regulators - ABB, Legrand, E+S, Havel's.
5. Electric Panels - CPRI Approved.
6. TPN, MCB SPN MCB DB - ABB, Legrand, E+S, Havel's.
7. Telephone, Data Cables - D Link, Shelimar, Legrand
8. Rubber Mats - ISI

Ahmad
JE

Raj
AEE

[Signature]
Executive Engineer
IDA, Div. No-11
Jammu.

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