

**Tender No: HWPM/E-P/NIT/OFC-MISC/2023. Date: 27 /02/2023**

**Name of the work:** Supply and laying of OFC cable for 90kVA  
UPS data communication at East substation and other misc works

INDEX

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**Government of India**  
**Department of Atomic Energy**  
**Heavy Water Plant, Manuguru**

Gautaminagar Post  
ASWAPURAM – 507 116.  
Bhadradi-Kothagudem Dist. (T. S)

Dated : 27/02/2023

**e-TENDER NOTICE No.: HWPM/E-P/NIT/OFC-MISC/2023/**

For and on behalf of the President of India, The General Manager, Heavy Water Plant, Manuguru invites Online tender(s) through e-tendering mode in two bid system, from approved contractors of appropriate class of CPWD and approved by other Central Govt. Organizations. Non registered contractors meeting the "Eligibility Criteria" given in this NIT may also apply

**I. Brief Details of Work:**

1	Tender No.	<b>HWPM/E-P/NIT/OFC-MISC/2023/</b>
2	Name of work	Supply and laying of OFC cable for 90kVA UPS data communication at East substation and other misc works.
3	Estimated cost put to tender	<b>Rs. 18,25,000/-</b>
4	EMD	<b>Rs. 36,500/-</b>
5	Completion period	<b>Six months.</b>
6	Tender processing fee	NIL
7	EMD submission	EMD in the form of DD/Bankers check/FDR issued by a schedule bank in favour of Pay & Accounts Officer, HWPM, drawn on SBI, HWPM Branch. DD drawn by concerned bidder only will be accepted. Uploading of tender document without valid soft copy of EMD or if not submitted valid hard copy of EMD at the time of tender opening date, the party shall be reviewed for debarment up to 12 Months or at the desecration of the Competent Authority.
8	Performance Guarantee (PG) & Security Deposit (SD)	PBG is 3% of the tendered Amount & SD is 2.5% of the tendered Amount.
9	Guarantee period for SD	<b>6 Months</b>
10	Dates of availability of Tender Documents for view and download including Tender Drawings (if any).	Tender document/forms can be viewed & down loaded from <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> website From <b>02.03.2023</b> (10.00 Hrs) onwards up to <b>13.03.2023</b> (16.00 Hrs) NIT can be viewed at <a href="http://www.hwb.gov.in">www.hwb.gov.in</a> web site also
a)	Free viewing of Tender Documents in PDF format.	Click " <b>TENDERS OF DAE</b> " on Home page of Website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> . If interested in participating in the tender, download Technical & Financial Bids in Excel Format as under.

b)	Purchase of tender Documents in Excel Format for participation in tendering.	<p>Login in the Home page of the website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> with Bidders User ID / Password &amp; Class III Digital Signature Certificate.</p> <p>Click on “<b>UNAPPLIED</b>” button; then Click on “<b>REQUEST</b>” icon (blue colour); Pay <b>TENDER PROCESSING FEE</b> online. Click on “<b>SUBMIT</b>” button. Now click on “<b>IN PROGRESS</b>” button. In status column you will find the tender is <b>RECEIVED</b>. You will be able to download required Tender Documents by clicking “<b>EDIT ATTACHMENT</b>” icon for any number of times till last date of submission.</p> <p>Please refer “Help Manual” for submission of Tender / contact Help Desk as per NIT.</p>
11	Dates of pre-bid clarification	<b>On 07.03.2023</b> (Between 10.00 Hrs to 15.00 Hrs), to clear the doubts of intending bidders, if any, with prior appointment.
12	Last date and time of closing of online submission of tenders:	<b>14.03.2023</b> (14:00:00 Hrs)
13	Last date for submission of EMD	On or before 14:00 Hrs of <b>16.03.2023</b> in the office of <b>Deputy General Manager (P), HWPM.</b> ( Bidder will be disqualified if EMD is not submitted)
14	Date and time of online opening of Technical Bid	<b>16.03.2023</b> (After 14:30:00 Hrs)
15	Date of opening of financial bids of qualified bidders	Will be intimated to the qualified bidders.
16	The bid for the works shall remain open for acceptance for a period of <b>Ninety (90) days</b> from the date of opening of financial bid. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.	
	<b>Notes:</b>	
1	Tender Notification and documents are available on website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>	
2	Registered contractors only can purchase/download and submit/upload tenders.	
3	Interested agencies may visit this website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> for Registration.	
4	Contact for Assistance/Clarifications 24 x 7 @ Help desk Contact No.: 022-25487480, 0120-4200462,0120-4001002, 0120-4001005 and through email at: <a href="mailto:Support-eproc@nic.in">Support-eproc@nic.in</a> Contact persons:1) Shri.Bhushan Borse- 7276665878- <a href="mailto:bhushanborse2411@gmail.com">bhushanborse2411@gmail.com</a> 2) Shri. Mayur Jadhav – 9404212555- <a href="mailto:mayurj642@gmail.com">mayurj642@gmail.com</a>	
5	For further information please contact on (08746) 234425 / 234825 / 234433, <b>Fax</b> (08746) 224833 thro' mail at: <a href="mailto:gm@man.hwb.gov.in">gm@man.hwb.gov.in</a> with a copy to: <a href="mailto:mm_p@man.hwb.gov.in">mm_p@man.hwb.gov.in</a>	

**II. Eligibility Criteria for Participation in Tendering:**

1	Contractors who fulfill the following requirements shall ONLY be eligible to apply. (Joint ventures are not accepted).
A	Proof of Registration with Government/Semi Government Organizations like DAE/BARC, CPWD, MES, BSNL, Railways etc., in appropriate class OR having experience in execution of similar nature of works.
B	<p><b>Should have satisfactorily completed the works as mentioned below during the last Seven years ending with 31/03/2022.</b></p> <p>(1) i) Three similar works each cost not less than 40% of the estimated cost (or) ii) Two similar works each cost not less than 60% of the estimated cost (or) iii) One similar work costing not less than 80% of the estimated cost</p>

	<p><b>"Similar works" means the works covering the experience in 20% of work order value of OFC related work is must and other works are like maintenance of lighting system / maintenance of motor / maintenance of electrical system and required skilled manpower to execute the work &amp; meeting the above said eligibility criteria shall only apply</b>  <b>(For meeting similar works criteria , the value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of bid)</b></p>
C	Annual turnover as per ITCC or profit and loss statement for the last 5 years (Average annual turnover for the last 3 financial years should be at least 50% of estimated value put to tender, not having incurred any loss in more than 2 years during last 5 years ending <b>31.03.2022</b> ).
D	Latest bank solvency certificate from any scheduled bank for minimum value of 40% of the estimated cost. Latest solvency Certificate issued within one year from the tender opening date or Net worth certificate of minimum 10% of the estimated cost put to tender issued by certified chartered Accountant (CA).
E	List of similar works in hand and similar works carried out by them for last 7 years indicating i) Agency for whom executed, ii) Value of work, iii) Completion time as stipulated and actual, or present position of the work.
F	List of construction plant, machinery, equipments, accessories and infrastructure facilities possessed by the agency to complete the work in time.
G	List of technical staff they possess.
H	CERTIFICATES: (Scanned copy of original certificates to be uploaded)
I)	Performance/work completion certificates
ii)	GST registration certificate and acknowledgement of up to date GST filed returns
iii)	TIN Registration
iv)	PAN (Permanent Account Number) Registration
v)	EPF registration certificate
vi)	ESI registration certificate
vii)	Valid labour license
viii)	Valid electrical license
2	The intending bidder must read the terms and conditions as per "SECTION – 1 NOTICE INVITING TENDERS" OF "CONDITIONS AND CLAUSES OF CONTRACT" carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. Department reserves the right of Non-consideration of Tender documents of the agencies who are not fulfilling the NIT stipulations and /or having adverse report on the works carried out by them in the past.
3	Information and instructions for tenderer posted on website shall form part of tender document.
4	The tender document consisting of plans (if any), specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> and can be viewed in the website of <a href="http://www.hwb.gov.in">www.hwb.gov.in</a> free of cost. TENDER DRAWINGS if any are uploaded in the website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> for downloading (post fee) (IF ANY STIPULATED IN THE TENDER DOCUMENTS).
5	The bid can only be submitted after uploading the mandatory scanned documents such as EMD and any other documents as specified.
6	Those contractors not registered on the website mentioned above, are required to get registered. If needed, they can be imparted training for online bidding process as per details available on the website.
7	The intending bidder must have valid "Class – III" digital signature to submit the bid.
8	On opening date, the contractor can login and see the bid opening process.
9	Certificate of Financial Turn over: At the time of submission of bid, contractor may upload Undertaking/Certificate from CA mentioning financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.

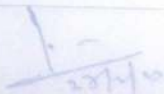
10	Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in YELLOW colour and the moment rate is entered, it turns SKY BLUE. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, if a tenderer quotes nil rates against each item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11	The tenderers shall provide the registration details of EPF and ESI while collecting the tender document and copies of the same shall be submitted along with the tender document.
12	It is mandatory that the successful bidder has to produce the details of ESI and EPF Universal Account number (UAN) of the workers to be employed against this contract.
13	Contractor has to ensure the due EPF share of his/her firm will be credited on their workers EPF account regularly and an undertaking is to be submitted by the contractor for the same thing. It is mandatory for contractors to mention their workers EPF account number in the gate pass application itself, otherwise, gate pass application will not be forwarded from section
14	It is mandatory that the successful tenderer has to remit such contributions of EPF and ESI to the concerned authorities and submit the documentary evidence for reimbursement along with the bills for making payment. After submission of such documents only bill will be processed.
15	On receipt of Letter of acceptance of tender, the successful bidder shall submit the Performance Guarantee (@3% of the tendered value) within 7 days, in the form as prescribed in the Letter of acceptance of tender, in favour of "Pay & Accounts officer, HWPM". This submission period can be further extended ranging to 1 to 7 days, on your written request by the EIC with late fee @ 0.1% on PG value per day of delay, for the delay period beyond which the department shall without prejudice to any other right or remedy be at liberty to forfeit the said EMD absolutely and you shall not be allowed to participate in retendering of the work. The EMD shall be refunded after receiving the above said performance guarantee.
16	In the case of bids in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
17	The Department reserves the right to accept/reject any prospective application without assigning any reason thereof.
18	The quoted rate shall be inclusive of GST, levies (if any) except ESI and EPF (employer's contribution). However ESI & EPF (employer's contribution) components shall be reimbursed on production of documentary evidence having paid such amount to the respective authorities.
19	TDS on taxable Goods or services or both and other duties & Levies as applicable will be deducted from running bills and final bills as per the prevailing rates.
20	Short listing of the agencies shall be subject to thorough verification of their credentials and inspection of works carried out by them through a Technical Evaluation Committee of experts, constituted by Heavy Water Plant, Manuguru.
21	IF ANY INFORMATION FURNISHED by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering/taking up works in HWB.
22	It is mandatory that, the successful bidder must arrange the "POLICE VERIFICATION CERTIFICATE" to their work men from the "Office of Superintendent of Police, Bhadradi-Kothagudem District" invariably, to obtain the Entry Gate pass from the O/o Commandant, CISF Unit at HWP (M) for execution of work. Bidders are requested to take a note of this while quoting.
23	It is mandatory that, on receipt of Work order, the successful bidder must submit the "Inter State Migrant Labour License" and "Labour License" from State /Central Govt. authorities (as applicable) within 15 days /prior to start up of work at HWP (M). Failing which gate pass will not be issued to the contractor's workmen for work execution.

24	Due to the security reasons the bidder (or) their authorized representatives cannot be permitted inside the plant without prior permission. Those bidder(s) who want to enter inside the plant premises (For the purpose of work evaluation/ to collect the tender document / Pre-Bid Negotiation /to drop the tender quotation) must intimate the undersigned at least 2 working days in advance (to the date of visit) and obtain entry permission and they should complete the security checkup before entry as a statutory requirement
25	In HWPM (M) all the postal communications are being handled by Central Dispatch section, which is located at Administrative building of HWPM (M). the internal dispatch of documents will take minimum two working days. All are requested to send their documents accordingly. Department will not be responsible for any Postal/ Communication delay.
26	Before submitting the tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates quoted in the tender forms are adequate and all-inclusive to accord with the provisions of General Conditions of Contract for the completion of the works to the entire satisfaction of the Engineer.
27	The tenderers will examine the various provisions of the Central Goods and Services Tax Act-2017 (CGST)/Integrated Goods and Services Tax Act, 2017 (IGST)/Union territory Goods and Service Tax Act, 2017 (UTGST)/respective State's State Goods and Service Tax Act, 2017 (SGST) also as notified by Central/State Govt. & as amended from time to time and applicable taxes before binding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates.
28	The successful tenderer is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to HWPM immediately after the award of contract, without which no payment shall be released to the contract. The contractor shall responsible for deposition of applicable GST to the concerned authority.
29	In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the HWPM shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit to the concerned authority.

PROSPECTIVE AGENCIES SHALL SATISFY THEMSELVES OF FULFILLING ALL THE NIT CRITERIA BEFORE SUBMISSION OF TENDER. Department reserves the right of non consideration of tender of the agencies not fulfilling the stipulated criteria.

III. List of documents to be scanned and uploaded within the period of bid submission:

1	Financial turn over certified by CA(hard copy to be submitted)
2	Profit and loss statement certified by CA.
3	Latest Bank solvency certificate not less than 40% of the Estimated cost shown in tender (hard copy to be submitted or Net worth certificate).
4	List of SIMILAR WORKS completed in last 7 years indicating: I) Agency for whom executed II) value of work, III) Stipulated and actual time of completion and IV) Work completion / Performance certificate of work orders attached (hard copy to be submitted).
5	List of SIMILAR WORKS in hand indicating I) Agency II) Value of work, III) Stipulated time of completion/present position.
6	Contractor has to submit undertaking that payment to workers will be done through Bank.
7	List of Technical staff, equipments & infrastructure available with the firm
8	Certificates:
i)	Firm Registration certificate, if any
ii)	Certificates of work experience/performance certificates
iii)	GST Registration Certificate(acknowledgement of up to date GST filed returns)(hard copy to be submitted)
iv)	PAN (Permanent Account Number) Registration (hard copy to be submitted)
9	Details of online payment towards cost of tender processing fee (if applicable).
10	BC/DD/FDR of any scheduled bank against EMD.
11	EPF registration certificate(hard copy to be submitted)
12	ESI registration certificate(hard copy to be submitted)
13	Contractor has to submit undertaking that payment of EPF share of firm on worker's EPF accounts. (Scanned copy of original certificates to be uploaded)
14	Valid labour license
15	Valid electrical license

  
(Signature of the tender inviting authority)  
For and on behalf of President of India

Distribution  
All Notice Boards,  
Heavy Water Board Website  
P&AO, HWPM

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
HEAVY WATER PLANT (MANUGURU)

Post: Gauthami Nagar,  
Aswapuram - 507116  
Bhadradri Kothagudem Dist [T.S]

**ITEM RATE TENDER & CONTRACT FOR WORKS**

- (A) Tender for the work of: Supply and laying of OFC cable for 90kVA UPS data  
communication at East substation and other misc works  
(B) Tender No HWPM/E-P/NIT / OFC-MISC/2023 Dated: 27/02/2023

EMD to be submitted by 14:00 hours on or before **16.03.2023** to O/o DGM (P), HWP (M)

Technical bid to be opened in electronic mode/ in presence of tenderers who may be present after  
14:30 hours on **16.03.2023** in the Office of Dy General Manager (Process), HWP (M).

**TENDER**

I/We have read and examined the notice inviting tender, Schedule [form of HWP (M)], A, B, C, D, E & F, Specifications applicable & drawings Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' / the tender document, Schedule of Quantities and accordance in all respects with the specifications, designs, drawings and instructions in writing referred to Rule – 1 of General Rules and Directions and in Clause 11 of the Conditions of the contract and with such materials are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the due date of its opening/ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system and not to make any modifications in terms and conditions.

A sum of **Rs.36500/-** is hereby forwarded in cash/receipt treasury challan /deposit at call receipt of a scheduled bank / fixed deposit receipt of scheduled bank / demand draft of a scheduled bank

/ bank guarantee issued by a scheduled bank as earnest money. If I/We, fail to furnish the prescribed Performance Bank Guarantee within period, I/we agree that the said President of India or his successor in office shall without prejudice to any other right or remedy, be at liberty to **forfeit** the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/we agree that President of India or is successor in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the Performance Bank guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to the tender documents upon the terms and conditions contained or referred to therein and to carryout such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' / in the tender document and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further I/we agree that in case of forfeiture of earnest money or both Earnest money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of the Contractor

Postal Address

Dated:

Witness:

Address:

Occupation:

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is  
accepted by me for and on behalf of President of India for a sum of

...../- (Rupees

.....  
.....

)

The letters referred to below shall form part of this contract Agreement:-

- (a)
- (b)
- (c)

For & on behalf of President of India

Signature.....

Date:.....

Designation.....

**NOTE:**

Bidder are requested to fill, sign with stamp & date wherever necessary in this form and upload  
on e-tender portal and forward the PCC (It should reach on or before **16.03.2023** by **14:00 Hrs**)  
to the O/o DGM (P),HWP (M) along with other mandatory EMD, Tender fee credentials without  
fail.

### **Tendering Contract conditions (Part-I)**

#### **GENERAL RULES AND DIRECTIONS FOR GUIDANCE FOR TENDERER**

- 1.0 The tenderer shall furnish details of experience of past seven years in the table “Details of experience of past seven years” of the tender document.
- 2.0 The tenderer should quote in figures as well as in words the rates and/or amounts tendered by them. The amount for each item shall be worked out and the requisite totals furnished on each page and carried over wherever necessary to arrive at the total cost of work for each part of the work envisaged in this tender. All corrections shall be attested by the dated initial of the tenderer.
- 3.0 If the amount of an item as worked out by the tenderer does not correspond with rate written either in figures or in words, the rate quoted by the tenderer shall be taken as correct but not the amount.
- 4.0 If it is found that the tender is not submitted in the proper manner, or contains too many corrections or absurd rates, or amount, it will be open for the Govt. to ignore the tender.
- 5.0 All papers of tender schedule including General conditions of the contract shall be signed by the contractor.
- 6.0 The tender shall be accompanied by EMD original be submitted in an envelope duly sealed with superscription viz; name of the work, Tender No. etc.,
- 7.0 Canvassing in any form in connection with the tender is strictly prohibited.
- 8.0 Sales tax, Income Tax or any other tax or royalty on materials in respect of the contract shall be payable by the contractor and Government will not entertain any claim whatsoever in this respect.
- 9.0 The quotation for the work shall remain open for a period of 90 days from date of opening of quotations. The Government shall, with out prejudice to any other right or remedy, be at liberty to forfeit quotationer withdraws his quotation before the said period or makes any modification in the terms and conditions of the tender which are not acceptable to department, and to forfeit the whole of the earnest money if the quotationer, whose quotation is accepted, fails to commence the work specified in the NIT (along with changes in the scope, if any) in prescribed time or abandons the work before its completion.
- 10.0 The tenderers should acquaint themselves with the work and working conditions of the site and locality and no claim will be entertained on these issues.
- 11.0 The tenderer should read the “Scope of work, specifications and terms & conditions” carefully before submitting the tender.
- 12.0 Tenderers should enclose Income Tax clearance certificate along with the tender. Late tender quotations and quotations not accompanied by EMD and relevant

documents shall not be considered at all. The department shall not be responsible for delay or loss of tender papers in postal transit or otherwise.

- 13.0 The acceptance of the tender will rest with General Manager, HWP (M) who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received, without assignment of any reason. All tenders received in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 2023.

## SCOPE OF WORK, TECHNICAL SPECIFICATIONS, TERMS AND CONDITIONS OF THE CONTRACT

Name of the work: Supply and laying of OFC cable for 90kVA UPS data communication at East substation and other misc works

### **1.0 Tech specifications**

#### **Item No.1:**

- a) Supply of OFC cable around 225 -250 Meters approx from UPS room to East substation control room
- b) Laying of OFC cable from UPS room to East substation control room on overhead cable tray
- c) Supply & fixing of RS 485 to Fiber optic Converter & connection of fiber optic converter to OFC cable at UPS room.
- d) Supply & fixing of Fiber optic Converter to RS 485 to & connection of existing Rs 485 to USB at East control room.
- e) All necessary hardware like converters, OFC cable & connectors are in the contractor scope only and no free issue material from department side.

#### **Item No. 2:**

- a) Cable tray repair at opposite of drain pit area and other areas in Main plant.
- b) Supply of required channels / trays is in contractor scope
- c) Cutting & fixing of channels as per requirement shall be done. After repair cable dressing shall be done.
- d) All necessary hardware are in the contractor scope only and no free issue material from department side.

#### **Item No.3:**

- a) Supply of 4 nos of 150AH, 12V EV battery, 3 nos tyre & tubes for Electric Riksha.
- b) Installation and testing of battery as per standards shall be done.
- c) All necessary hardware are in the contractor scope only and no free issue material from department side.

#### **Item No.4:**

- a) Supply of 100 -125 meter ¾ inch GI pipe for watering transformer oil soaks pit .
- b) Installation in underground (1 feet depth ) of 100 -125 meter ¾ inch GI pipe.
- c) Tapping of required 5nos at different location.
- d) All necessary hardware are in the contractor scope only and no free issue material from department side.

#### **Item No.5:**

- a) Supply of required material of channels and GI sheets for ( 4 nos)Canopy of outdoor split AC units at VFD rooms of South and North substation.
- b) All necessary hardware is in the contractor scope only and no free issue material from department side.

#### **Item No.6:**

- a) Supply of flameproof 16A, Ex-d, IIB 3pin, 230V, IP65 socket with plug top in XU-I & II area.

- b) fixing & testing of flameproof 16A, Ex-d, IIB 3pin, 230V, IP65 /55socket with plug top in XU-I & II area.
- c) All necessary hardware like glands, supporters are in the contractor scope only and no free issue material from department side.

**Item No.7:**

- a) Supply of flameproof 32A, Ex-d, IIB 5pin, 415V, IP65 socket with plug top in XU-I & II area.
- b) Fixing & testing of flameproof 32A, Ex-d, IIB 3pin, 230V, IP65/55socket with plug top in XU-I & II area.
- c) All necessary hardware like glands, supporters are in the contractor scope only and no free issue material from department side.

**Item No.8:**

- a) Supply of flameproof 16A, Ex-d, IIB 3pin, 230V / 24V,(built in transformer 230/24V) IP65 /55 socket with plug top in XU-I & II area.
- b) Fixing & testing of flameproof 16A, Ex-d, IIB 3pin, 230V, IP65 socket with plug top in XU-I & II area.
- c) All necessary hardware like glands, supporters are in the contractor scope only and no free issue material from department side.

**Item No.9:**

- a) Supply of 63/32A Switch fuse unit of reputed make.
- b) Removing of old and fixing & testing of 63/32A Switch fuse unit of reputed make.
- c) All necessary hardware like glands, supporters are in the contractor scope only and no free issue material from department side.

**Item No.10:**

- a) Supply of lighting JB's at PTR / DTR yards.
- b) Fixing & painting of JB's.
- c) All necessary hardware like screws, paints are in the contractor scope only and no free issue material from department side.

**Item No.11:**

- a) Painting of name plate board and lettering as per standard practice.
- b) All necessary hardware like paints, brushes are in the contractor scope only and no free issue material from department side.

**Item No.12:**

- a) Supply and replacement of GI profile sheets for 500kVA DG set yard at East substation.
- b) All necessary hardware like GI sheets, channels are in the contractor scope only and no free issue material from department side.

**Item No.13:**

- a) Repair of Reva Electric vehicle including supply & replacement of Break pots, Accelerator pots, controller, selector switch etc and including labour & travelling charges.

**2.0 MANPOWER & TOOLS:-**

- 2.1 The manpower shall have adequate experience on electrical equipments ( ITI Electrician with three years experience **in Optical Fiber cabling in plant unit area**, A minimum four (2) nos. of skilled manpower shall be deployed for this work or as directed by EIC.
- 2.2 All the required tools and trackless shall be in the contractor scope only.

**3.0 TERMS AND CONDITIONS :**

- 3.1 Accommodation can be provided on chargeable basis at our Hostel / A type quarters

- subject to availability & approval of competent authority.
- 3.2 Safety of contractor personnel shall be the responsibility of contractor and any eventuality occurs shall be at the risk and cost of contractor.
  - 3.3 Medical facilities will not be made available for contractor's service personal in case of emergency first aid treatment can be availed.
  - 3.4 To and fro transport arrangement shall be arranged by contractor.
  - 3.5 The work carried out by contractor shall be governed by the security and safety regulations of HWP (M) and by the statutory laws like Labour Laws, Factories Act, Minimum Wages Act, Payment of wages Act, Workmen Compensation Act, **EPF & ESI or as applicable** and Misc. Provisions Act, 1956 etc. Any accidents occurring to contractor staff **shall** be fully compensated by contractor at contractor cost. The department shall be fully indemnified of the same.
  - 3.6 All the works shall be done as per the instructions and satisfaction of EIC of work.
  - 3.7 Payment shall be made on the basis of measurement of actual work done (i.e. total number condition monitoring electrical equipments i.e). Measurements shall be recorded in measurement book and shall be accepted by contractor / his representative.
  - 3.8 Time period for completion of work will be six months from the date of starting of work. If the contractor fails to complete the work within the contract period, department has the right to withdraw the work order and get the same done by other agency at contractors risk & cost entirely at departments direction.
  - 3.9 Security deposit will be 2.5% of cost put to tender. EMD of successful tenderer will be converted as SD and balance amount shall be recovered from RA bill of contractor. SD will be returned after successful completion of guarantee period of three months. Any trouble arising during guarantee period shall be attended by contractor at his own cost.
  - 3.10 Income tax, GST and Other taxes as admissible shall be deducted from the contractors bill.
  - 3.11 Tenders for works shall remain open for acceptance for a period of 90 days from date of opening of tenders.
  - 3.12 Tenders should enclose Income tax clearance certificate along with the tender.
  - 3.13 If it is found that the tender is not submitted in the proper manner, or contains too many corrections or, abused rates, or amount, it will be open for the government to ignore the tender.
  - 3.14 The tendered shall be furnish details of experience of past three years in the table (details of experience of past three years) of the tender document.
  - 3.15 The rates quoted shall be exclusive of EPF & Insurance charges. Same shall be reimbursed on production of documentary evidence of having paid such charges.
  - 3.16 Contractor must maintain bank accounts for online payment of his staff for deputing above work and enclose bank statement for every month.
  - 3.17 Contractor must maintain EPF & ESI of his staff for deputing above work and enclose bank statement for every month.
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## SCHEDULE OF QUANTITIES

Item No	Description of Item	Unit	Qty
1.	Supply & Laying of OFC cable from UPS room to East substation control room and connection of RS 485 to East substation P.C with all necessary hardware like converter, OFC cable & connectors as per enclosed tech. specifications	L.S	LS
2.	Cable tray repair at opposite of drain pit area and other areas in Main plant, including cable dressing, hardware like channels, supporters, trays etc as per enclosed tech. specifications.	MTR	100
3.	Supply, installation and testing 4 nos of 150AH, 12V EV battery, 3 nos tyre & tubes for Electric Riksha as per enclosed tech. specifications.	LS	LS
4.	Watering arrangement for cleaning of transformer oil soak pits near PTR side of South substation area including Hardware like GI pipes, taps as per enclosed tech. specifications.	LS	LS
5.	Canopy for outdoor split AC units at VFD rooms of South and North substation as per enclosed tech. specifications.	NOS	4
6.	Supply & fixing of flameproof 16A, Ex-d, IIB 3pin, 230V, IP65 socket with plug top in XU-I & II area as per enclosed tech. specifications.	NOS	25
7.	Supply & fixing of flameproof 32A, Ex-d, IIB 5pin, 415V, IP55/65 socket with plug top in XU-I & II area as per enclosed tech. specifications	NOS	15
8.	Supply & fixing of flameproof 16A, 24V, Ex-d, IIB 3pin, built in 240/24V transformer, IP55/65 socket with plug top in XU-I & II area as per enclosed tech. specifications	NOS	15
9.	Supply & replacement of 63 /32A, 415V, IP55/65 Switch fuse unit for filter machine supply at PTR / DTR yards as per enclosed tech. specifications	NOS	6
10.	Supply & replacement of lighting JB's at PTR / DTR yards as per enclosed tech. specifications	NOS	50
11.	Painting of name plate board and lettering as per standard practice or as directed by EIC	NOS	30
12.	Supply and replacement of GI profile sheets for 500kVA DG set shed as per enclosed tech. specifications	SFT	500
13.	Repair of Reva Electric vehicle including replacement of minor parts & cards, including all charges as per enclosed tech. specifications	LS	LS

**Note: The above sheet is for reference only. Bidders are requested to download the Financial bid excel sheet from E-tendering portal (after payment of tender processing fee) for submission of their bids.**