

Regd. Post Ack.Due:



TRANSMISSION CORPORATION OF TELANGANA LIMITED

www.tstransco.telangana.gov.in. CIN No. U40102TG20148SGC094248

From
The Chief Engineer (P&MM),
Room No.-207, B-Block,
TSTRANSCO,
Vidyut Soudha,
Hyderabad – 500 082.

To
M/s. Schneider Electric Infrastructure Ltd.,
Factory Address No.172,
Poonamallee Bypass Road,
Poonamallee,
Chennai – 600 056.

P.O.No 175 PMM/2018/CE/P&MM/SE/P&MM/ DE-31/F-TSPMM31-38/2017 RTUs/

D.No.118/18, dt.23.07.2018.

Sirs,

Sub:- TSTRANSCO - P&MM – Telecom - Tender Specn. No. TSPMM31-38/2017 - Supply, Erection, Commissioning, Adaptation and Integration of **REMOTE TERMINAL UNITS** along with interface cabinet, relays, transducers, switches etc., to provide on-line data for Mapping of AUFR & df/dt protection relays with SCADA system at TSSLDC and for RTSS works -Detailed Purchase Order - Issued - Reg.

- Ref:-**
- 1) Tender Specification No. TSPMM31-38/2017.
 - 2) Your offer on e-platform against Specification No. TSPMM31-38/2017
 - 3) LOI.No.CE/P&MM /SE/P&MM/DE-31/F.TSPMM31-38/2017(RTU)/D.No.37/18, Dt.15-05-2018.
 - 4) LOI Acceptance letter of M/s. Schneider Electric Infrastructure Ltd. Dt.28.05.2018.
 - 5) U.O.No.CE(SLDC)/SE(SLDC)/DE(SCADA)/F. /D.No.234/18, Dt.11.06.18.

I, acting for and on behalf of and by the order and direction of TRANSMISSION CORPORATION OF TELANGANA LTD., (herein after called the “TSTRANSCO” or “the purchaser”) accept your offer, vide ref. 2nd cited, for Supply, Erection, Commissioning, Adaptation and Integration of **REMOTE TERMINAL UNITS** along with interface cabinet, relays, transducers, switches etc., to provide on-line data for Mapping of AUFR & df/dt protection relays with SCADA system at TSSLDC against subject bid and for RTSS works, as per the provision for quantity variation vide clause 34 (Section III,GTC) of tender specification, at an evaluated total package cost of **Rs. 4,68,70,543/-** (Rupees Four Crores Sixty Eight Lakhs Seventy Thousand Five Hundred and Forty Three only) as indicated below and the details are in Annexure-1(Schedule of prices) and Annexure- 2 (Configuration for 29 Nos. RTUs).

This Purchase Order is issued in confirmation of L.O.I issued (ref.3) except change of name of substations for some RTUs without change in configuration in accordance with ref.(5) cited.

1) SCOPE OF CONTRACT:-

This contract relates to Supply, Erection, Commissioning, Adaptation and Integration of **REMOTE TERMINAL UNITS** along with interface cabinet, relays, transducers, switches etc., to provide on-line data for Mapping of AUFR & df/dt protection relays with SCADA system at TSSLDC and for RTSS works, as detailed under clause (2) below and covers design, manufacture, testing before dispatch and delivery F.O.R. destination and Erection & Commissioning, Adaptation and Integration at site.

- 2) SCHEDULE OF MATERIALS AND PRICES: Supply, Erection, Commissioning, Adaptation and Integration of **REMOTE TERMINAL UNITS (29 nos) &** Associated equipment (inclusive of Freight, Insurance, Packing & Forwarding and GST) detailed in annexure-I:

Sl. No.	Description	Total Amount (in Rs.)
1	Supply, Erection, Commissioning, Adaptation and Integration of REMOTE TERMINAL UNITS (18 Nos. RTUs with 5 Spare sets) along with interface cabinet, relays, transducers, switches etc. (Details are in Annexure-1 for SLDC works)	2,93,23,218.90
2	Supply, Erection, Commissioning, Adaptation and Integration of REMOTE TERMINAL UNITS (11 Nos. RTUs with 3 Spare sets) along with interface cabinet, relays, transducers, switches etc. (Details are in Annexure-1 for RTSS works) (Additional Qty)	1,75,47,323.64
	Total Package value	4,68,70,542.54
	Or Say:	4,68,70,543.00
(Rupees Four Crores Sixty Eight Lakhs Seventy Thousand Five Hundred and Forty Three only)		

- 2.1) The Prices accepted above are FIRM during the process of the contract and until the warranty period is completed.
- 2.2) The prices accepted above are inclusive of Freight, Insurance, Packing & Forwarding and GST.
- 2.3) The above prices are inclusive of unloading charges at destination stores.
- 2.4) M/s. Schneider Electric Infrastructure Ltd is responsible for all the Taxes applicable on this contract.
- 2.5) Income Tax, other taxes if any, will only be towards the supplier's account and would be recovered from the supplier bills for arranging payment as directed by the concerned department.
- 2.6) **STATUTORY VARIATION:** It is the responsibility of bidder to consider the correct rates of the duties and taxes leviable on the equipment/material/work at the time of bidding. After considering the correct rates of duties and taxes only the bidder shall quote the prices.

Any variation up or down in statutory levy or new levies introduced after tender calling date under this specification will be to the account of TSTransco, provided in cases where delivery schedule is not adhered to by the contractor/manufacturer and there are upward variation/revision after the agreed delivered date, the contractor/manufacturer will bear the impact of such levies and if there is downward variation/revision, TSTransco will be given credit to the effect.

In case of bought out items statutory variation shall not be applicable on that taxes and duties. For this purpose, bought out items means the material/equipment not manufactured by the bidder i.e statutory variation will be applicable on taxes and duties involving direct transaction between bidder and TSTransco only and not for the taxes and duties between the bidder and his sub vendors.

- 2.7) The purchaser reserves the right to vary the order quantity by ± 50 % during execution of the contract.
- 3) **DELIVERY:** Supply, Erection, Commissioning, Adaptation and Integration works shall be completed in full shape and handed over within 4 months from the date of issue of Letter of Intent (LOI). However, you are requested to advance the supplies, as these RTUs are urgently required.
- 4) **FREIGHT & TRANSIT INSURANCE:** Insurance will be arranged by the supplier to cover transit risks and 45days storage cover at site. The insurance will be in an amount equal to 100% FADS value of equipment on all-risks basis. The policy will have a provision for extension to cover further storage if necessary at destination stores/site at TSTransco cost.
- 5) **DESPATCH INSTRUCTIONS:** The Dispatch instructions for the equipment will be issued separately after inspection.

The details of consignee, paying officer and other officers will be furnished along with dispatch instructions, while approving the Inspection/Test Certificates.

6) **PERFORMANCE SECURITY:**

6.1 The supplier shall furnish to the purchaser the performance security in the name of **The Chief Engineer/P&MM, TSTransco, Vidyut Soudha, Hyderabad-82**, for an amount equal to 10% of the total contract value i.e. **Rs.46,87,054/-** for proper fulfillment of the contract, shall include the warranty period, and completion of performance obligations including warranty obligations. The performance security will cover 60 days beyond the date of completion of performance obligations including warranty obligations.

6.2 The performance security to be executed in accordance with the clause (6) will be furnished on a stamp paper of value Rs. 100/-. The B.G will be extended, if required, suitably, in accordance with the provisions of clause (38) of specification.

6.3 In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected / replaced material will be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value will have to be extended 60 days over and above the extended warranty period.

The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to fulfill its obligations under the Contract.

7) **TERMS OF PAYMENT:**

- i) a) 80% payment towards the equipment cost will be arranged within 45 days for the material/ equipment supplied in complete shape subject to their delivery as per the schedule of work and on its receipt in good condition at the destination / stores (i.e., from check measurement date in Form-13) on prorata basis against the submission of the following documents.
- a) Form 13
 - b) Contractor's detailed invoice
 - c) Delivery Challan Acknowledged by Consignee
 - d) Manufacturer's/Supplier's Warranty Certificates
 - e) Approved Test Certificates
 - f) Copy of Insurance Policy Certificate
 - g) Copy of Acceptance Letter of Performance Security issued by Purchaser

One additional copy each of above and the delivery challan shall be sent to the consignees. Copies of the above documents shall be sent to the Chief Engineer/P&MM, TSTransco, Vidyut Soudha, Hyderabad –82 immediately after delivering the materials at the destination stores.

- b). 10% payment towards equipment cost will be made after erection of equipment/ material on prorata basis against the submission of invoice.
- c) Balance 10% payment towards equipment cost will be made along with the total erection & Commissioning charges after commissioning of equipment/material duly certified by concerned Divisional Engineer/Telecom & Divisional Engineer/ MRT on prorata basis against the submission of invoice.
- ii) The Supplier's Bank details are as detailed below for RTGS payment (Real Time Gross settlement).

1.	Vendor Name	M/s. Schneider Electric Infrastructure Ltd.,
2	Complete Address	M/s. Schneider Electric Infrastructure Ltd., Factory Address No. 172, Poonamalle Bypass road, Poonamalle, Chennai- 600 056.
3	Name of the Bank	CITI BANK NA
4	Branch Address	Jeevan Bharti, Connaught Place, New Delhi – 110 001
5	Branch Code	0000002
6	City	New Delhi
7	Account No.	0520552014
8	MICR Code	110037002
9	IFSC No.	CITI0000002
10	Income Tax PAN No.	AAPCS6078Q

The Bank details as above are final and shall not be revoked under any circumstances. The Bank Charges will be made to the account of M/s. Schneider Electric Infrastructure Ltd., an amount of Rs.50/- (Rupees Fifty only) will be recovered from the bill amount per each disbursement on LOA raised by unit officers.

No interest will be payable in case the payment is delayed for whatever reason. The Banker charges involved if any in establishing and operating the Cheque / Bills shall be to your account.

- iii) If the supplier has received any over-payments by mistake or if any amounts are due to the TSTransco due to any other reason, when it is not possible to recover such amounts under this contract, the TSTransco reserves the right to collect the same from any other amounts and / or Bank guarantees given by you due to or with the TSTransco.
- iv) The supplier should invariably submit Inspection/test certificates and other documents that the purchaser specifies, before dispatch is made so that they can be checked and approved well before it is dispatched and due for payment.
- v) When the supplier does not at any time, fulfill his obligations in replacing / rectifying etc. of the damaged / defective materials in part or whole, promptly to the satisfaction of the TSTransco Officers, the TSTransco reserves the right not to accept the bills against subsequent dispatches made by the supplier and only the supplier will be responsible for any demurrages, wharfages or damage occurring to the consignments so dispatched.

8) **CURRENCY OF PAYMENT:** All payments will be made in non-convertible Indian Rupees.

9) **WARRANTY:** The equipment shall be guaranteed for satisfactory performance for a period of 36 months from the date of receipt of goods in the departmental stores in good condition or 30 months from the date of successful commissioning in full shape, which ever period concludes later.

During this period, if the equipment is found defective it shall be replaced or repaired by you free of all costs to the TSTransco within 30 days, which shall in no circumstances be more than the delivery period indicated in this order.

In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected / replaced material will be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value will have to be extended 60 days over and above the extended warranty period.

The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to fulfill its obligations under the Contract.

10) **RESPONSIBILITY OF THE SUPPLIER FOR LOSS OR DAMAGE:** The supplier is responsible for the safe delivery of the goods in good condition at the destination stores. He should acquaint himself of the conditions prevailing for handling and transport of the goods to the destination and shall include and provide for security and protective packing of the goods so as to avoid damage in transit.

- 11) **PACKING:** The supplier will provide such packing of the Materials / equipment as is required to prevent their damage or deterioration during transit to their final destination, as indicated technical specification. The packing will be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights will take into consideration, where appropriate, the remoteness of the Materials / equipment final destination and the absence of heavy handling facilities at all points in transit.
- 12) **INSPECTION:** The accredited representative of the TSTransco have access to you or your sub-contractor's works at any time during the working hours for the purpose of inspecting the materials during manufacture of the plant and equipment and testing, and may select samples from the materials going into the plant and equipment. You shall on such occasions provide proper and adequate facilities for testing the selected samples at any time. The final acceptance tests and routine tests shall be conducted in the presence of TSTransco's representative who will be deputed for the purpose.

The program of inspection is to be intimated to the TSTransco within 30 days prior notice for acceptance tests. The goods shall not be dispatched until such inspection is conducted or waived in writing and followed by dispatch clearance communicated by the purchaser in writing.

- 13) **TESTS AND CERTIFICATES:** Three copies of the test certificates containing the results of all the tests including acceptance and routine tests carried out shall be forwarded to Chief Engineer / P&MM and got approved before the presentation of the bills for payment.

The manufacturer's test certificates shall be submitted immediately after the acceptance tests are conducted and got approved before the equipment is dispatched.

- 14) **GUARANTEED TECHNICAL PARTICULARS AND DRAWINGS:**
The Supplier shall furnish four sets of Guaranteed Technical Particulars and Drawings as per Tender Specification for approval. The Purchaser will communicate the comments /approval on the GTPs and Drawings immediately.
- 15) **GENERAL CONDITIONS OF CONTRACT:** Except in so far as it is provided otherwise in this contract, you shall abide by the terms and conditions indicated in the Tender Specification No. TSPMM31-38/2017 which includes the TSTransco's General Terms and conditions of contract' enclosed to the ref (1). "Except as specifically accepted in this order, the terms and conditions mentioned in your quotation under reference are not accepted".
- 16) **RISK:** The risk in the property is entirely yours till the goods are received in good condition at destination stores as certified by the consignee.
- 17) **PENALTY FOR DELAY IN SUPPLIES:** The time for and the dates for delivery mentioned in the contract will be deemed to be the essence of the contract. Subject to force majeure clause No.18, if the supplier fails to deliver any or all of the Materials / equipment or fails to perform the Services within the period (s) specified in the Contract, the Purchaser will, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% per week on the undelivered portion subject to a maximum of 5% of the total value of the contract. Once the maximum is reached the Purchaser may consider termination of the contract.

The check measurement date in form-13 i.e; date of receipt of materials at destination stores in good condition will be taken as the date of delivery. Materials / Equipment which are not of acceptable quality or are not conforming to the specification would be deemed to be not delivered. For penalty, the number of days would be rounded off to the nearest week and penalty calculated accordingly.

The penalty specified above will be levied and would be adjusted against subsequent pending bills.

- 18) **FORCE MAJEURE:** The Supplier will not be liable for forfeiture of its performance security, penalty for late delivery, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

For purposes of this clause, "Force Majeure" means an event beyond the control of the supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

If a Force Majeure situation arises, the supplier will promptly notify the Purchaser in writing of such condition and the cause thereof. Unless or otherwise directed by the Purchaser in writing, the Supplier will continue to perform its obligations under the Contract as far as is reasonable in practice, and will seek all reasonable alternative means for performance not prevented by the Force Majeure event.

No price variance will be allowed during the period of force majeure.

- 19) **CORRESPONDANCE:** Your acknowledgement to this order and any correspondence, general or technical in nature shall be addressed to the Chief Engineer/P&MM, TSTransco, Vidyut Soudha, Hyderabad-500082.

All correspondence regarding dispatch and payment shall be addressed to the consignee under intimation to the Chief Engineer/P&MM, TSTransco, Vidyut Soudha, Hyderabad-500082.

- 20) **COMPLETENESS OF CONTRACT:** All minor accessories that are normally necessary for satisfactory and efficient operation of the equipment shall be supplied by you free of cost to the TSTransco, whether these are specifically mentioned or not in the specification, your tender schedules or in this Purchase Order and the equipment shall be complete in itself.

- 21) **OPERATION AND MAINTENANCE MANUALS:** One set of Manuals consisting of operating instructions and programming schedules and approved drawings for each of the equipment shall be supplied in the package along with respective equipments at the time of dispatch. They shall contain clear instructions on erection, commissioning and maintenance for the guidance of operating staff. Any items requiring the special attention of the Operation Engineer shall be highlighted.

22) TRAINING OF PURCHASER STAFF:

The supplier shall be required to provide facilities for imparting training for RTUs and associated equipment at the manufacture's works place for Ten days at no extra cost to 58 Nos. engineers in the batches of 6 people per batch to be nominated by the purchaser (TSTransco). An important objective of training is to increase the ability to control, supervise and carry out maintenance work on plant and equipment supplied and installed by the contractor. The supplier shall provide boarding, lodging and transportation to the training place as a part of the contract without any additional financial commitment to TSTransco.

23) CONTRACT AMENDMENTS: No variation in or modification of the terms of the contract will be made except by written amendment by the Purchaser and accepted by the supplier.

25) TERMINATION FOR DEFAULT:

25.1) The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- i. If the supplier fails to deliver any or all of the Materials / equipment within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.
- ii. If the supplier fails to perform any other obligations under the contract.
- iii. If the supplier, in the judgment of the purchaser has engaged incorrupt or fraudulent practices in competing for or in executing the contract.

25.2) In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, materials/equipment or services similar to those undelivered, and the supplier will be liable to the purchaser for any excess costs for such similar materials/equipment or services. However, the supplier will continue performance of the contract to the extent not terminated.

26) TERMINATION FOR INSOLVENCY:

The Purchase may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or not affect any right of action or remedy, which was accrued or will accrue thereafter to the Purchaser.

27) TERMINATION FOR CONVENIENCE:

a) The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination will specify the termination is for the Purchaser's convenience, the extent to which performance of the supplier under the Contract is terminated, and date upon which termination becomes effective.

b) However the materials/equipment that are complete and ready for shipment within Thirty (30) days after the supplier's receipt of notice of termination will be accepted by the purchaser at the contract terms and prices.

29) JURISDICTION: All and any dispute or differences arising out of or touching this order will be decided by the courts or tribunals situated in Hyderabad or Secunderabad only. No suit or other legal proceedings will be instituted elsewhere.

30) ACKNOWLEDGEMENT:-Please acknowledge this order soon on its receipt by returning the extra copy of the order enclosed, duly signing it with date in token of acceptance.

Yours faithfully,

Encl: 1. Annexure-1(Schedule of prices)
2. Annexure-2(29 Nos. RTUs Configuration)

Sd/-
CHIEF ENGINEER/P&MM
(Acting for and on behalf
of TSTransco)

"WE ACCEPT THE TERMS AND CONDITIONS STIPULATED IN THIS P.O."

Signature of the Contractor with seal

Copy to the:

The Executive Director/Finance/TSTRANSCO/VS/Hyderabad.
The Chief Engineer/SLDC/ TSTranscoVidyut Soudha/Hyderabad
The Chief Engineer/Telecom/ TSTranscoVidyut Soudha/Hyderabad
The Chief Engineer /Transmission /Vidyut Soudha/Hyderabad.
The Chief Engineer/Zone/Metro/Hyderabad.
The Chief Engineer/Zone/Rural/Hyderabad.
The Chief Engineer/Zone/Warangal.
The Chief Engineer/Zone/Karimnagar
The Pay Officer/TS TRANSCO/Vidyut Soudha/ Hyderabad
The SAO/ Pay & Accounts/ TSTransco /Vidyut Soudha/Hyderabad.
The SE/OMC/Metro Central /TSTRANSCO/NIMS/Hyderabad

The SE/OMC/Nalgonda/TSTransco/Near132kVSSHyerabad Road,H.NO.11-293/A/1,
Bhagyanagar colony,Chandur/Nalgonda Dist.508255.

The SE/OMC/Mahabubnagar/TSTransco/Near132kVSSMettuguda/MahabubnagarDist-
500901

The SE/OMC/Nizamabad/TSTranso/132kV SS Nizamabad/BorevaonVia Dharmaram
Nizamabad.

The SE/400kV Construction/ TSTransco/220kV SS Mulugu Road/ Warangal

The SE/OMC/ Warangal /TSTransco/220kV SS Mulugu Road/ Warangal Dist.

The SE/OMC/ Sanga Reddy/TSTransco/GTS Colony/Erragadda.

The SE/OMC/ Karimnagar-500501.

The Supdt. Engineer/Telecom/Metro/Chilakalaguda GIS/Hyderabad

The Supdt. Engineer/ Telecom /Rural/ TSTransco/ Quarter no.2E/1, Near GTS colony, Erragadda/ Hyderabad
The Supdt. Engineer/ Telecom/ TSTransco/ 220KVSS/Mulugu Road/Warangal.
The Superintending Engineer/Telecom/TSTRANSCO /132/33KVSS Opp. to Court Jagityala road, Karimnagar-500501.
The Divisional Engineer/Transmission/Stores/ Near GTS Colony /Erragadda /Hyd.
The Divisional Engineer/ Telecom/ TSTransco/ 220KVSS/Mulugu Road/Warangal
The Divisional Engineer/ Telecom/ TSTranscoMetro/Erragadda/Hyderabad
The Divisional Engineer/ Telecom/ TSTransco/ 132KVSS/Mahaboob Nagar
The Divisional Engineer/ Telecom/ TSTransco/ 132KVSS/Nizamabad
The Divisional Engineer/ Telecom/ TSTransco/ 132KVSS/Karim Nagar.
The Divisional Engineer/ Telecom/ TSTransco/ Sangareddy/Stone Building 1st floor/ Mint Compound, Hyderabad
The Divisional Engineer/ Telecom/TSTransco/ 400kV SS/ Mamidipalli/ Pahad-e-Sharif /Hyderabad
The Divisional Engineer/ Telecom/TSTransco/ 132KV SS /Nalgonda.
The Asst. Divisional Engineer/ Transmission Stores, TSTransco, 220KVSub-station, Shapurnagar / Hyderabad.

Annexure-1(Schedule of prices)										(All figures are in India Rupees)
Sl. No.	RTU Location	UOM	QTY	unit ex-works price	Freight	Insurance	Paking & Forwarding	unit landed price	IGST@18%	Total landed Price
I	18 Nos. RTUs for SLDC works									
1	132KV Husnabad	No.	1	1382001.88	5528.01	276.40	incl	1387806.29	249805.13	1637611.42
2	132KV Bhadrachalam	No.	1	859710.18	3438.84	171.94	incl	863320.96	155397.77	1018718.73
3	132KV Sadasivpet.	No.	1	1479924.67	5919.70	295.98	incl	1486140.35	267505.26	1753645.61
4	132KV Bibinagar.	No.	1	1382001.88	5528.01	276.40	incl	1387806.29	249805.13	1637611.42
5	132KV Penubally.	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
6	132KV Luxettipeta	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
7	132KV Morthad	No.	1	1382001.88	5528.01	276.40	incl	1387806.29	249805.13	1637611.42
8	132KV Marriguda.	No.	1	1413864.33	5655.46	282.77	incl	1419802.56	255564.46	1675367.02
9	132KV Ellanthakunta	No.	1	1413864.33	5655.46	282.77	incl	1419802.56	255564.46	1675367.02
10	132KV Adilabad.	No.	1	1382001.88	5528.01	276.40	incl	1387806.29	249805.13	1637611.42
11	132KV Shanigaram	No.	1	1413864.33	5655.46	282.77	incl	1419802.56	255564.46	1675367.02
12	132KV Nizamsagar.	No.	1	1413864.33	5655.46	282.77	incl	1419802.56	255564.46	1675367.02
13	132KV Jakora.	No.	1	1416198.46	5664.79	283.24	incl	1422146.49	255986.37	1678132.86
14	132KV Geesukonda.	No.	1	891572.63	3566.29	178.31	incl	895317.23	161157.10	1056474.33
15	132KV Suglampally	No.	1	891572.63	3566.29	178.31	incl	895317.23	161157.10	1056474.33
16	132KV Manakondur	No.	1	891572.63	3566.29	178.31	incl	895317.23	161157.10	1056474.33
17	220/11KV Puttamgandi(LIS)	No.	1	1008986.35	4035.95	201.80	incl	1013224.10	182380.34	1195604.44
18	220/11KV Pulia Thanda(LIS)	No.	1	859710.18	3438.84	171.94	incl	863320.96	155397.77	1018718.73
19	RTU Spares (Each set should consist of CPU-1No, DI Cards -4No.s, DO Cards - 2No.s, PSU-1No & Any other card (DI card) -1No.	Sets	5	420142.50	1680.57	84.03	incl	421907.10	75943.28	2489251.89
20	Erection & Commission Charges for 18 Nos. RTUs	No.	18	69600.00					12528.00	1478304.00
I	Total Amount									29323218.90
II	11 Nos. RTUs for RTSS Works									
1	132KV Sirpur Kagaz nagar	No.	1	859710.18	3438.84	171.94	incl	863320.96	155397.77	1018718.73
2	132 KV Vikarabad	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
3	132KV Bonakal	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
4	132 KV Raghunathpally	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
5	132KV Jammikunta	No.	1	1382001.88	5528.01	276.40	incl	1387806.29	249805.13	1637611.42
6	132KV Nekkonda	No.	1	1382001.88	5528.01	276.40	incl	1387806.29	249805.13	1637611.42
7	132KV Bellampalli	No.	1	1413864.33	5655.46	282.77	incl	1419802.56	255564.46	1675367.02
8	132KV Makthal	No.	1	1479924.67	5919.70	295.98	incl	1486140.35	267505.26	1753645.61
9	132KV Waddepalli	No.	1	1479924.67	5919.70	295.98	incl	1486140.35	267505.26	1753645.61
10	132 KV Kothagudem	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
11	132 KV Kolanupaka	No.	1	957632.97	3830.53	191.53	incl	961655.03	173097.91	1134752.94
12	RTU Spares (Each set should consist of CPU-1No, DI Cards -4No.s, DO Cards - 2No.s, PSU-1No & Any other card (DI card) -1No.	Sets	3	420142.50	1680.57	84.03	incl	421907.10	75943.28	1493551.13
13	Erection & Commission Charges for 11 Nos. RTUs	No.	11	69600.00					12528.00	903408.00
II	Total:									17547323.64
III	Grand Total(I+II):									46870542.54
	Or Say:									4,68,70,543.00

(Rupees Four Crores Sixty Eight Lakhs Seventy Thousand Five Hundred and Forty Three only)

Sd/-
Chief Engineer/P&MM

Tender Specification No.: TSPMM31-38/2017; PO.No.175, Dt.:23.07.2018

Annexure-2						
Configuration for 29No.s RTUs						
Sl. No.	RTU Location	MFT	MFT (OLTC)	CMR	L/R Switch	I/P Relay
I	18 Nos. RTUs for SLDC works					
1	132KV Husnabad	25	4	109	23	46
2	132KV Bhadrachalam	17	3	73	17	30
3	132KV Sadasivpet.	28	4	132	26	52
4	132KV Bibinagar.	24	3	107	22	44
5	132KV Penubally.	21	3	87	18	36
6	132KV Luxettipeta	22	3	96	20	40
7	132KV Morthad	24	3	106	22	44
8	132KV Marriguda	26	4	114	24	48
9	132KV Ellanthakunta	25	3	117	23	46
10	132KV Shanigaram	24	3	112	22	44
11	132KV Nizamsagar.	24	3	112	22	44
12	132KV Adilabad.	23	3	107	21	42
13	132KV Jakora.	23	3	107	20	52
14	132KV Geesukonda.	18	3	82	16	32
15	132KV Suglampally	18	3	82	16	32
16	132KV Manakondur	18	3	82	16	32
17	220/11KV Puttamgandi(LIS)	18	7	83	17	34
18	220/11KV Pulia Thanda(LIS)	13	5	69	13	26
	Total Installed Qty.	391	63	1777	358	724
	Spares(20%) to be provided in the above RTUs	78	13	355	72	145
	Total Qty.	469	76	2132	430	869
II	11 Nos. RTUs for RTSS Works					
1	132KV Sirpur Kagaz nagar	17	3	73	17	30
2	132 KV Vikarabad	22	3	96	20	40
3	132KV Bonakal	22	3	96	20	40
4	132 KV SS Raghunathpally	22	3	96	20	40
5	132KV Jammikunta	23	3	107	21	42
6	132KV Nekkonda	24	3	106	22	44
7	132KV Bellampalli	26	4	114	24	48
8	132KV Makthal	28	4	132	26	52
9	132KV Waddepalli	28	4	132	26	52
10	132 KV Kothagudem	22	3	96	20	40
11	132 KV Kolanupaka	22	3	96	20	40
	Total Installed Qty.	256	36	1144	236	468
	Spares(20%) to be provided in the above RTUs	51	7	229	47	94
	Total Qty.	307	43	1373	283	562

Sd/-

Chief Engineer/P&MM

