

TRANSMISSION CORPORATION OF TELANGANA LIMITED

VIDYUT SOUDHA :: HYDERABAD-082

ABSTRACT

TSTRANSCO-SLDC – Establishment of Backup SLDC – Cost Estimate of the Project for supply, erection and commissioning of SCADA/EMS equipments, Consultancy Fee, AMC -Civil & Telecom works - Sanction –Revised orders - Issued.

T.O.O. (CE - SLDC) Ms.No.502

Dt. 17.12.2019

Read the following:-

Ref :1. T.O.O. (CE - SLDC) Ms.No.358 Dt. 08.05.2019

2. Note proposal from Chief Engineer/ SLDC, Dt.15.11.2019

ORDER:

- Consequent to bifurcation of erstwhile Andhra Pradesh state, the main SLDC equipment is allotted to Telangana and backup SLDC equipment is allotted to residual AP.
- As part of disaster management each state should have main SLDC and fully functional replica as Backup SLDC as per report of task force (Satnam committee), Capacity building for Indian load dispatch centers (CABIL) & based on recommendations of Forum of Load dispatchers (FOLD) on implementation of Pradhan committee report. Accordingly, 220Kv Warangal SS is identified for establishment of Backup SLDC.
- Administrative approval was accorded vide T.O.O. (CE - SLDC) Ms.No. 358 dt.08.05.2019 for Backup SLDC at Warangal for an estimated Project Cost of Rs.9.3126 Crores incl. Taxes & Duties.
- PGCIL organized a Tripartite meeting on 5.7.19 proposing to club similar nature of work of other states and proposed to amend the Scope of Work & Payment terms and conditions in order to ease the process of tendering regarding issuance of C-form, deduction of TDS and WCT, etc. and the same was accepted. The revised Scope of Work and terms and conditions in respect of SCADA/EMS systems are enclosed as Annexure –I & Annexure –II respectively.
- M/S PGCIL has revised the consultancy fee payable to POWERGRID @12.8% of the final executed cost of the project inclusive of taxes and duties instead of 15% on the basic price.
- CE/Civil vide Ir. dt:06.08.2019 communicated the total estimate amount as Rs.6.40Cr (including taxes) for carrying out civil works for establishment of Backup SLDC.

- CE/Telecom vide Ir.dt:03.09.2019 communicated the estimate amount of Rs.3.055Cr (including taxes) for installation of Telecommunication equipment and network elements etc., at Backup SLDC
- In view of the above the revised estimated project cost is as follows

(a)	Estimated project cost for SCADA/EMS System(supply, erection and commissioning of SCADA/EMS equipment etc. including applicable taxes and duties)	6.99Cr
	Consultancy charges@12.8%(including applicable taxes @18%)	1.06Cr
	Total SCADA/EMS Cost	8.05Cr
(b)	Supply, erection and commissioning of Telecommunication equipment(including applicable taxes)	2.832Cr
(c)	Civil works required for establishment of Backup SLDC(including applicable taxes)	6.40Cr
(a)+(b)+(c)	Total cost of Backup SLDC	17.282Cr
(d)	AMC cost (including applicable taxes and duties)	1.06Cr
(a) +(b)+(c)+ (d)	Total cost of Backup SLDC including AMC cost	18.342Cr

- AMC agreement will be entered separately after completion of SCADA/EMS project.
- The above expenditure shall be met from the budget allocated to SLDC. The details of expenditure towards Backup SLDC , civil and telecom works were already proposed in the ARR filing for the 4th control period (2019-2024) and is due for publications by TSERC. SAO(SLDC) shall be authorized to make payment.
- This is in supersession to the administrative approval issued earlier for Backup SLDC vide T.O.O Ms. No. 358, dt:08.05.2019 for an amount of Rs.9.31 Cr. which stands cancelled.

Cont'd.

- After careful consideration, TSTRANSCO accords administrative approval for the following:
 - a) To Establish Back up SLDC at Warangal at an estimated cost of Rs 18.342Crores(Project cost is Rs 17.282 Cr and AMC cost is Rs 1.06 Cr)
 - b) Authorize CE/SLDC to sign supplementary agreement with revised terms and conditions.
 - c) Authorize SAO/SLDC/TSTRANSCO to make payment towards total project cost.
 - d) Authorize CE/Civil and CE/Telecom to take up the works(Civil &Telecom) for construction of building and communication facilities respectively in co-ordination with main equipment schedules.

This authorization is issued with the concurrence of Joint and Managing Director(Finance, Comml. &HRD) vide Regd. No.4583 Dt.07.12.2019
(BY ORDER IN THE NAME OF TRANSMISSION CORPORATON OF TELANGANA LIMITED)

Enclosure: Annexure-I & II

Sd/-
D.PRABHAKAR RAO
Chairman & Managing Director

To:

The Chief Engineer/ SLDC / VS / Hyd.

The Chief Engineer/ Civil / VS / Hyd.

The Chief Engineer/ Telecom/ VS / Hyd.

Copy To:

The FA&CCA/ Accounts/ TSTRANSCO/VS/Hyd.

The DyCCA/Accounts/TSTRANSCO/VS/Hyd.

Copy Communicated to:

SE/T to Chairman & Managing Director/TSTRANSCO

PS to Joint Managing Director / Finance ,Comml. & HRD / TSTRANSCO

AE/T to Director / Grid operation /VS/TSTRANSCO

DE/T to Director / Projects / VS/TSTRANSCO

DE/T to Director / Transmission /VS/TSTRANSCO

ADE/T to Director / Lift Irrigation Schemes / VS/TSTRANSCO

//FORWARDED :: BY ORDER/

DIVISIONAL ENGINEER / SCADA

ANNEXURE-I
T.O.O.(CE-SLDC) Ms.No 502 Dt: 17.12.2019

SCOPE OF WORKS/ SERVICES :

2.1 SCOPE OF WORKS/ SERVICES TO BE PERFORMED BY POWERGRID:

The scope of consultancy services to be rendered by POWERGRID under this agreement will be as under subject to specific exclusions as brought out in clause 2.2 hereinafter:

The scope of Works shall include:

- a) Establishment of a new Backup SLDC-SCADA/EMS system at Warangal.
- b) Integration of existing and future RTUs with Backup Control Centre.
- c) Integration of Backup SLDC with existing Main SLDC and existing Back-up SRLDC center.
- d) Additional functionalities of Automatic Generation Control and Automatic Demand Management System.

The scope of works shall also include Design, Engineering, NIT, Tender Evaluation, Recommendation for award (authorized as per Delegation of Power of POWERGRID for such assignments), Project Management, Supervision of Erection, Testing and Commissioning etc as per the following:

- I. Preparation of all Bid documents including technical specification, BOQ, Qualifying Requirement, NIT cost estimate & Conditions of Contract etc. TSTRANSCO will be associated in finalization of specification of the Project.
- II. Invitation & opening of Bids, evaluation of Bids, post bid discussion with the successful bidder, finalization of award recommendation to TSTRANSCO ,preparation of draft NOA and contract agreement and supervision of erection ,testing and commissioning.
- III. Review and approval of contractor's drawings/documents, witnessing of testing of equipment / materials at test laboratory or factory or site, inspection of materials at manufacturer's works or site and implementation of the agreed quality assurance program of the various manufacture/contractors on behalf of Owner, all within the country only.
- IV. The Owner reserves the right to associate in any inspection of the equipment at manufacturer's work. All the expenses for association of Owner's representative(s) shall be borne by the Owner.
- V. Project management to ensure implementation of agreed contract schedule, supply of all the materials and equipment, and supervision of all such material including handling of materials/ equipment at site, erection, testing & commissioning by the concerned contractor.
- VI. The scope of work shall also include preparatory work, collection/compilation of details/data and preparation of the draft proposal for statutory clearance (if any). Being the owner of the project, the Owner shall obtain all these clearances from the concerned authorities. However, POWERGRID shall assist for obtaining these clearances by way of documentation and representing to concerned agencies.

Cont'd..

2.2 EXCLUSION FROM POWERGRID'S SCOPE OF WORKS/SERVICES:

(Scope of services to be performed by the Owner)

- a) TSTRANSCO shall approve award recommendation, issue of NoA and sign contract agreement with EPC contractor.
- b) Construction of SLDC building including its interior & furnishing at Warangal.
- c) All statutory clearances from Statutory Authorities including necessary notification(s).
- d) Ensuring timely availability of infrastructure including facilities such as, Air conditioning, Fire fighting, Power Supply etc.
- e) Communication system including PLCC, DCPS and Power Supply System.
- f) Ensuring availability of fund for the Project.
- g) Arrangement for appropriate security at the working locations for smooth and timely execution of the project.
- h) All payments payable to contractors shall be made by TSTRANSCO after obtaining certification from POWERGRID on the bills/invoices raised by contractors. Unless the bills are duly certified by the POWERGRID, NO payments shall be made by TSTRANSCO to the contractors. The recovery of TDS/ Income tax and other applicable taxes & duties related to this work shall be done by TSTRANSCO from the contractors bills. TDS so deducted by TSTRANSCO, shall be deposited to concerned tax authority by TSTRANSCO. TDS certificates shall be issued by TSTRANSCO using their Permanent Account No. & GST No. etc.
- i) Foreign travels ,if any ,by POWERGRID personnel shall be payable at actual(as per POWERGRID's rule).This shall be in addition to Consultancy fee payable as per clause no. 7.0.
- j) Operation & Maintenance of SLDC, including AMC.
- k) Association of Owner's representative during erection, testing & commissioning, so as to facilitate effective Operation & Maintenance & use of the facility by the Owner.
- l) Any other work not covered in the scope of services at clause no. 2.1 above.

Sd/-

D.PRABHAKAR RAO

Chairman and Managing Director

Lr.No.CE(SLDC)/SE(SLDC)/DE(SCADA)/F.BackupSLDC/DNo. 271/19.Dt 17.12.2019

//Forwarded::By Order//

Divisional Engineer/SCADA

Cont'd..

Annexure-II

T.O.O.(CE-SLDC) Ms.No. 502 Dt: 17.12.2019

A)Terms of Payment towards consultancy charges:

TSTRANSCO shall arrange to release payments for project cost directly to contractors based on bills certified by POWERGRID as per the terms of payments of TSTRANSCO as may be stipulated in the contract agreement between TSTRANSCO and the Contractors.

The terms of payment for consultancy fee to POWERGRID shall be as follows:

- a) 10% of the estimated consultancy fee and applicable GST on consultancy fee shall be paid within 15 days of signing of the agreement on the basis of proforma invoice issued by POWERGRID.
- b) 10% of the consultancy fee based on the Awarded Project cost (excluding AMC cost) and applicable GST on consultancy fee shall be paid on forwarding the award recommendation by POWERGRID .
- c) Balance payment of Consultancy Fee and applicable Taxes/GST on consultancy fee shall be payable quarterly to POWERGRID based on the cost of projected physical progress of supply of goods & services in advance.
- d) Payment of consultancy fee arising due to adjustment on account of variation between the presently estimated cost and the cost on award shall be made known to Owner by POWERGRID when the latter is determined. Owner shall regulate the quarterly advance payments (excluding AMC cost) to POWERGRID accordingly.
- e) Payment of consultancy fee arising due to adjustment on account of variation between the cost on award(excluding AMC cost) and final executed cost of the project along with corresponding Consultancy Fee and applicable Taxes on Consultancy Fee shall be made immediately as per invoice raised by POWERGRID.
- f) The consultancy fee shall be paid by TSTRANSCO to POWERGRID within 15 days of submission of invoice/ proforma invoice.
- g) Consultancy fee shall be paid by TSTRANSCO after deducting applicable TDS. TDS certificate shall be submitted by Owner within 15 days of depositing the same to the concerned authority.
- h) Any delay in implementation of the project on account of non-availability of funds and services to be provided by the Owner shall not be attributable to POWERGRID and the period of implementation shall be deemed to have been extended to such delays.

B)TSTRANSCO Terms and Conditions of payment towards project:

I) Performance security (10% on cost of material) BG should be in the name of CE/SLDC ,TSTRANSCO.

II) Insurance beneficiary should be TSTRANSCO

The Goods supplied under this Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage, delivery and erection. In case of domestic goods the insurance shall be at least for an amount equal to 100% of the cost of the goods from "warehouse to warehouse (final destination)" and storage up to commissioning thereafter on "all Risks" basis including War Risks and strikes Clauses. All insurance premiums shall be borne by Contractor.

III) TSTRANSCO Terms of payment

All payments will be made in the following proportion:

a) For supply of Materials / Equipment:

- i) 70% payment will be made within 30 days for the material/equipment supplied in complete shape subject to their delivery as per the schedule and on its receipt at destination site in good condition (i.e. from check measurement date). The concerned ADE will receive the equipment/material in full shape at site and the concerned DE/SCADA will do the check measurement.
- ii) 20% payment will be made after erection of equipment / material.
- iii) Balance 10% payment will be made after commissioning of equipment /material.

The contractor shall furnish the following documents in quadruplicate for arranging payment for the equipment/material supplied.

- i) Copies of the invoices showing Contract no., goods description, quantity, unit price and total amount.
- ii) Acknowledgement of receipt of material from consignee.
- iii) Acknowledgement of Consignee on Delivery Challan in original.
- iv) Detailed packing list.
- v) Copy of the Lorry receipt.
- vi) Copies of Insurance Certificate/policies.
- vii) Test certificates approval and Dispatch clearance. (No applicable for furniture and general items)
- viii) Certificate of MRHOV (Material receive and handed over) for commissioning duly certifying that it is the sole responsibility of the contractor to replace the defective material, if any pointed out during commissioning.

- ix) The payments against equipment/material are subject to Performance Security which shall cover the period for 15 months from the date of issuance of project completion certificate.

Sd/-
D.PRABHAKAR RAO
Chairman and Managing Director

Lr.No.CE(SLDC)/SE(SLDC)/DE(SCADA)/E.BackupSLDC/DNo.271/19.Dt:17.12.2019

//Forwarded::By Order//

Divisional Engineer/SCADA