

# TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

## SUMMARY SHEET

### TENDER SPECIFICATION No. : CE/TRANSMISSION/

W C. No. /2010-11

|    |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | <b>Name of the work</b>                                                   | Carrying out Operation & Maintenance including watch & ward, MRT Assistance & Assistance for Telecom of E.H.T Sub-stations on Works Contract basis in TL&SS Circle (Please refer <b>ANNEXURE -V</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. | <b>Officer to whom the Tenders shall be submitted</b>                     | CHIEF ENGINEER, TL&SS ZONE<br>APTRANSCO AS PER THE <b>ANNEXURE-I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. | <b>Superscription on the Tender Cover</b>                                 | <ul style="list-style-type: none"> <li>i) Specification No.</li> <li>ii) Name of Work</li> <li>iii) Details of Bid Security (i.e.) B.G. &amp; D.D.No., Date and Amount.</li> <li>iv) Valid 'A' Grade Electrical License No. from C.E.I to Govt. of A.P.(with validity)</li> <li>v) Contractor's Reg.No. with APTRANSCO with validity upto _____ approved in Lr.No.</li> <li>vi) _____</li> <li>vi) EPF&amp; ESI code numbers, *</li> <li>vii) Registration Number for manpower Co-operative Society</li> <li>viii) Tender Opening date and time</li> <li>ix) APTransco payment terms accepted</li> <li>x) Tender is valid for 120 days from the date of opening</li> <li>xi) Service tax registration Number.</li> </ul> <p>* New contractors have to furnish the valid EPF &amp;ESI Code numbers and other relevant documents before they present their prospective workmen for a skill test failing which they shall not be permitted to deploy their workmen on works besides not considering them for Award of Contract.</p> |
| 4. | <b>Last date and time for receipt of sealed tenders</b>                   | Up to 12.00 Hrs on 17-02-2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5. | <b>Date &amp; Time of opening of sealed tenders</b>                       | At 15.00 Hrs on 17-02-2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6. | <b>Place of opening</b>                                                   | AS PER <b>ANNEXURE-I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 7. | <b>Specification Cost</b>                                                 | Rs.500/-(Rupees Five Hundred)+12.5% of AP VAT to be paid in the form of Demand Draft in favour of SE/TL&SS concerned.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 8. | <b>Bid Security to be paid along with Tender</b>                          | The amount as indicated in the <b>ANNEXURE-V</b> by way of Demand Draft or Bank Guarantee in favour of SE/TL&SS Circle, APTransco as indicated in the <b>ANNEXURE-V</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 9  | <b>Security Deposit to be paid at the Time of entering into Agreement</b> | 5% of contract value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

# TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

**TENDER SPECIFICATION No. : CE/TRANSMISSION/  
WC.No. /2010-11/**

## **TERMS AND CONDITIONS**

- 1. Name of the work:** Operation and Maintenance including Watch& Ward, Assistance for Telecom and MRT Assistance on Works Contract Basis at the specified EHT Sub-Station detailed in **ANNEXURE -V**  
Sub-Station: \_\_\_\_\_  
In Circle \_\_\_\_\_  
of TL&SS Zone \_\_\_\_\_  
In the District of \_\_\_\_\_

### **2. FILLING OF SCHEDULE:**

The Works Contract will be awarded to registered contractors of APTRANSCO in carrying out the above work with valid Electrical License of 'A' Grade from Chief Electrical Inspector of Government of A.P, valid labour license from Deputy Commissioner of Labour or Assistant Commissioner of Labour of the concerned region, EPF & ESI code numbers and any man power co-operative society as registered for this purpose of manning of electrical installations viz. EHT Sub stations, miscellaneous/CBD gangs, MRT, etc. who are having above qualifications. They are only eligible to participate in Tenders. However the Labour license mentioned above can be submitted at the time of entering into agreement.

The new successful tenderers who are not having EPF, ESI code numbers shall obtain and produce the same while presenting their prospective workmen for a skill test on the prescribed date, failing which the contract will not be awarded to such tenderer besides forfeiting the bid security paid.

The tender schedule should be filled in properly and the rates should be quoted for complete works involved i.e., for carrying out Operation of the Substations round the clock and maintenance including watch & ward and MRT Assistance at the respective Sub-station as against the sanctioned posts or as per approved norms as and when fallen vacant during the prescribed period, as per the conditions stipulated for guaranteed performance, in sealed cover addressed to the respective CHIEF ENGINEER / TL&SS as indicated in the **Annexure-I**.

**The Sealed Tender must be with the following superscription:**

1. Specification No.
2. Name of work
3. Details of Bid Security enclosed i.e., D.D.No., Date and amount or Bank Guarantee
4. EPF & ESI code numbers

5. Valid 'A' Grade Electrical License No. from C.E.I to Government of A.P with validity up to \_\_\_\_\_ (Date)
6. Contractor's Reg. No. \_\_\_\_\_ with APTRANSCO with validity up to \_\_\_\_\_ (Date) as approved in Letter No. \_\_\_\_\_
7. Tender opening date and time
8. APTRANSCO payment terms accepted
9. Tender is valid for 120 days from the date of opening
10. Registration number for manpower Co-Operative Society.
11. Service tax Registration Number

The tenders without the above details on the envelope will be rejected.

Rates should be quoted both in figures and in the words. This tender document is not transferable.

The Tender Document duly completed in all respects shall be dropped in the "Tender Box" kept at the office of the respective Inspector of Police, APTS & Vigilance, APTRANSCO at the address indicated in the **Annexure -I**.

- I. The bids of tenderer whose contracts had been terminated earlier in view of non payment of wages, EPF, ESI/Insurance, etc. to the labour engaged and who have not continued for the entire period of contract will be rejected.
- II. When more than one bidder quotes the same rates on par with lowest rates, then selection from such bidders will be made depending upon the native district., experience, past performance and Educational qualification (Technical) of the bidder. However preference will be given to the bidders who belong to native district. Performance certificate issued by field officer has to be enclosed to the tender. (The decision of APTRANSCO will be final and no correspondence what so ever will be entertained.)
- III. **Experience**: In EHT sub-stations with minimum 1year or in 33/11KV sub-stations with minimum of 2 years experience. The bidder shall indicate the same in the **Schedule – B** along with documentary evidence.
- IV. **Educational Qualifications**: The bidder shall indicate his educational qualifications in the **Schedule – C** along with documentary evidence.
- V. **The native district**: It shall be taken from the address as indicated in the 'A' grade license.
- VI. The total number of contract Works to be awarded to an individual Tenderers/Manpower societies will be limited to a maximum of three for operation & maintenance of substations and lines. However APTRANSCO reserves right to increase the number of contracts to more than three depending on the necessity and labour strength.
- VII. At least 15% of works available in the respective zone will be awarded to individuals/societies of Schedule castes and Schedule tribes subject to the availability of eligible bidders.

- VIII. In case of manpower societies, the works will be awarded in the name of holder of valid 'A' Grade license issued by Electrical Inspectorate, Govt. of AP. In this regard the bidder shall furnish the resolution from the members of the society that he will be authorized to participate in bid and also responsible for all the statutory liabilities during the execution of the work.
- IX. The tenderer has to enclose a copy of valid license under 'A' Grade issued by Electrical Inspectorate, a copy of Valid License issued by Deputy Commissioner of Labour, if already obtained along with copy of Valid Registration Certificate issued by APTRANSCO, attested copy as a proof for EPF,ESI code numbers, "No complaints certificate "issued by the Divisional Engineer duly counter signed by the Superintending Engineer of concerned circle as a proof for past performance and an attested copy of Registration with Registrar of Co-Operative Societies is applicable for man power Co-Operative Societies.

**3. RATES:**

The rates for the Operation cost (Monthly) shall covers fixed wages of workers as per Minimum wages Act., Supervision/Administrative charges, EPF, ESI,etc. The tenderers shall indicate the rate quoted by them for the Administrative Charges in percentage **not less than 15 % (Fifteen percent) and not exceeding 20% (Twenty Percent)** of the monthly wages to be paid to the labourers in **SCHEDULE-A**.

**(A) FIXED CHARGES/**

**Covering Wages to workers :** Of labour employed/per month As per minimum Wages Act, i.e.

**Skilled:** Rs.6110/-pm,

**Semi-Skilled:** Rs.5070/-pm,

**Un-Skilled:** Rs.4030/-pm as per G.O.No.6, Dt.18.08.2009 as notified by Commissioner of Labour, AP, Hyderabad.

Wages to be paid to the contract labour shall be calculated for 30/31 days. Hence the contractor shall ensure that all the labour to be engaged should avail weekly off on suitability of the work at discretion of APTRANSCO official.

**B) SUPERVISION CHARGES/**

**Administrative charges. i)** Administrative charges not less than 15% (Fifteen Percent) and not exceeding 20%(Twenty Percent) of the fixed charges.

Quotations received with less than 15% (Fifteen percent) and exceeding 20% (Twenty percent) towards administrative charges are liable for outright rejection. tenderers desirous of giving details of special advantages if any with regard to the rate quoted by them may enclose the working sheet.

Plus

- ii) E.P.F at 13.61% (inclusive of E.P.F& Administrative charges at 1.11% on minimum wages) to be remitted along with the contribution from the labour to the E.P.F. Commissioner regularly as may be applicable (the original receipt shall be submitted for passing of the next bill).

- a) The tenderer shall submit Form 12 A (Monthly Return) to EPF authorities and copy of the same should be submitted along with work bill of succeeding month failing which the previous month bill will not be processed.
  - b) The tenderer shall produce proof of payment of EPF to the individual workers account for processing the monthly bills.
  - c) The tenderer shall submit Form 5/10 (Joining/leaving return if any) to EPF authorities and copy of that should be submitted along with work bill of succeeding month failing which the work bill of previous month will not be processed.
  - d) The tenderer shall submit Form 3 A & 6A (Yearly return) to EPF authorities and copy of the same shall be submitted to the department, failing which the Security Deposit paid by the tenderer will not be released.
  - e) The tenderer should remit the EPF contributions to the concerned authorities on or before 15<sup>th</sup> of every month otherwise late payment penalty will be recovered from the tenderer.
  - f) The tenderer should submit "No Due Certificate" obtained from EPF authorities for releasing of Security Deposit on completion of contract period.
- iii) **ESI/Insurance/other statutory Acts:** In the work contract area covered under the ESI Act 1948, the tenderer shall make contribution under the ESI Act @ 4.75% and recover employee contribution @ 1.75% from the contract labourer and provide copy of the payments made to the ESI authorities. The tenderer shall issue identity cards to the contract labour engaged by him for the relevant period.

If the work contract area is not covered under ESI Act 1948, the tenderer has to provide Group insurance and Mediclaim insurance in respect of all persons engaged by him for providing benefits including benefits covered under workmen compensation Act 1923 and mediclaim insurance. Reimbursement in such case insurance premium shall be restricted to the 4.75% of ESI that would have been payable.

In case of no coverage of ESI, recovery @ 1.75% should not be recovered from the wages of the contract labourer by the tenderer.

On payment of ESI contribution if applicable, the contractor should furnish ESI cards to the deployed persons.

***The rates quoted shall be FIRM.***

The rates of minimum wages as per Minimum Wages Act are revised by the competent authority during the period of contract, the difference consequent to such revision will be paid by the department.

Successful tenderers where exemption orders issued by the E.P.F Commissioner from the payment of E.P.F, shall produce the original copies of such orders for exemption; to the paying authority for verification.

New contractors have to furnish the valid EPF & ESI Code numbers and other relevant documents before they present their prospective workmen for a skill test failing which they shall not be permitted to deploy their workmen on works besides not considering them for Award of Contract. No pursuance will be made with EPF authorities from APTRANSCO in this regard.

#### **4. PERIOD OF CONTRACT:**

The contract period will be from **01-04-2010 to 31-03-2011** and for newly commissioned sub-stations; the contract period will be from date of charging or from the actual date of utilization upto **31-03-2011**. The number of labour provided will be varied suitably on the orders of APTRANSCO. In such cases the fixed charges will be as per the minimum wages act and administrative charges allowable will be proportionate to the fixed charges.

“The APTRANSCO has the right to terminate the contract without assigning reasons when the contract is not required during the period of contract and no compensation will be paid for the balance period of contract. APTRANSCO also reserves the right to extend the contract period by a month or two at the same terms and conditions with a weekdays notice to the tenderer, by enhancing the value of the agreement entered on prorata basis. The contract will be liable for termination at any time during the period of contract and without liability of compensation for the balance period if the work is not carried out satisfactorily in accordance with the rules in vogue”.

#### **5. SPECIFICATION COST:**

Specification cost of Rs.500/-(Rupees Five hundred)+12.5% of AP VAT for each work is to be paid by crossed Demand Draft on any Scheduled Bank drawn in favour of respective Superintending Engineer / TL&SS and shall be enclosed to the Tender schedule. Tenders not accompanied by such drafts towards specification cost will be rejected. The specification cost paid is non-refundable.

#### **6. BID SECURITY:**

Bid security as indicated at **Annexure -V** in the form of Bank guarantee or Crossed Demand Draft on any schedule Bank drawn in favour of the respective SUPERINTENDING ENGINEER / TL&SS as indicated at **Annexure-V** should be enclosed to the Tender. Tenders not accompanied by such drafts towards Bid security will be rejected. The Bid security will be refunded in the case of unsuccessful tenders after finalisation of tenders and it will not carry any interest.

Bid security in case of successful tenderers will be adjusted towards security deposit.

Tenderers belonging to individuals & the Registered Societies belonging to Wadderas i.e. SC, ST are exempted from payment of bid security at the time of submission of tender. But they must submit necessary proof in support of their belonging to SCs, STs or Wadderas societies & individuals.

In respect of Man Power Co-Operative Societies whose Security Deposits are available against running contracts will be adjusted towards Bid Security. If the above Security Deposits are not sufficient the respective societies have to pay the balance amount towards Bid Security by way of BG/DD.

The adjusted Security Deposit amount will be retained by APTRANSCO till the finalization of tenders and Agreements entered into.

**The Bid security will be forfeited in the following cases .**

- 1) If the Tenderer does not produce the labour (to be engaged under the Works Contract) within stipulated time on issuing of the direction by the Field Engineer of APTRANSCO.
- 2) When the successful tenderer does not accept the order after issue of letter of intent / acceptance letter;
- 3) When the successful tenderer fails to furnish the performance bank guarantee within specified period after issue of letter of intent / acceptance letter;
- 4) When the tenderer alters his prices or withdraws his offers during the validity period;
- 5) APTRANSCO reserves the right to decide and award the work elsewhere in the exigency under (1) to (4).
- 6). When the successful tenderer fail to furnish EPF, ESI code numbers and service tax registration.

**7. DECLARATION OF RELATIONSHIP:**

The Tenderer shall declare their relationship, if any, with the officers/ Directors of APTRANSCO along with the bids/tenders. The bids not accompanying the above certificate will be rejected. The declaration must be furnished in the format given in **Annexure-III**. Any false information furnished in the declaration/disclosure, if found later the contract is liable for termination as well as recovery of damages.

**8. SECURITY DEPOSIT:**

The successful Tenderer have to pay Security Deposit @ 5% of the agreement value of works . The Security Deposit will be released after three months after satisfactory completion of work entrusted, which will not carry any interest. The Security Deposit shall be forfeited if the tenderer does not fulfill the terms and conditions of the works contract.

**9. VALIDITY:**

The quotation shall be kept valid for 120(One Hundred and Twenty) days.

**10. AGREEMENT:**

The successful Tenderer should enter into an Agreement on Rs.100/- (Rupees One Hundred only) Non-Judicial stamped paper.

**11. PAYMENT:**

a). 100% payment will be generally arranged monthly within reasonable time subject to completion of all statutory obligations. The ESI/ insurance charges and relevant EPF charges for the labour engaged by the Tenderer are to be borne by the Tenderer initially. The recovery and remittance of EPF and ESI/Insurance is to be effected by the Tenderer as per the rates fixed by EPF Commissioner and ESI/Insurance Company. The reimbursement of ESI/Insurance, EPF will be made subject to the production of proof of payment.

Evidence of payment of insurance /ESI to the labour engaged should be furnished to concerned AE/ADE before commencement of work.

- i). Bank Commission charges for issue of Bank Drafts will be to the account of the Tenderer
  - ii). All Statutory deductions towards Income Tax, A.P works Contracts Tax, etc. will be deducted at source in the monthly bills.
  - iii). Payment for the work done will be made by Cheque by the officer concerned.
- b) Income Tax Applicable Income Tax will be deducted at source on gross monthly payments made to the successful tenderer.
- c) Service Tax: The successful tenderer should register with Customs and Central Excise department compulsorily. Service Tax will be levied on gross monthly payments made to the successful tenderer and reimbursed to the tenderer along with monthly wages bill on production of proof of payment from concerned statutory authorities i.e. Customs and Central Excise.
- Further to the above, the successful tenderer shall submit the undertaking stating that dues, penalties etc. pertaining to the all statutory taxes during the contract period or later, and levy of new taxes in future etc., if any, will be Borne by the tenderer only.
- d) The Transmission Corporation of A.P Limited, will not however pay any extra charges for any other reasons, in case the Tenderer is found later on to have misjudged the work/materials to execute the work. The rates quoted by the tenderers shall be firm for complete period of work.
- e) The successful tenderer shall make payment of salaries to the contract labourers through individual bank accounts and shall furnish the statement issued by the bank along with bills. In case of non-compliance of the above, subsequent contract bills will not be processed for payment.
- f) The tenderer shall furnish the bank statement in proof of payment of contract labourers to the concerned AE/ADE on or before 10<sup>th</sup> of succeeding month.
- In case the tenderer fails to furnish the same to the AE/ADE concerned, the CE/TL&SS concerned shall terminate the letter of intent of said work by issuing a week advance show cause/final notice. On termination of the contract the security deposit shall be forfeited besides black listing the firm/contractor for a period of 2 years.
- g) The successful bidders shall give under taking that they will pay the wages of previous month to the labour engaged with in a week of succeeding month.
- h) Whenever it is found that the Tenderer has received any excess payment by mistake or if any amounts are due to APTRANSCO due to any reason, and when it is not possible to recover such amounts, APTRANSCO reserves the right to collect the same from any other amounts and Bank guarantee given by the Tenderer.
- i). Any violation by the successful Tenderer in the payment of minimum wages as per the Act is brought to the notice of the officers of APTransco would be referred to the Labour Department for taking legal action against the Tenderer and without prejudice to the right of APTransco to terminate the contract in such cases.

**12. PENALTY:**

The works for carrying out O&M of Substations have to be carried out effectively and efficiently. Any lapse will attract a penalty to an extent of 5% of work at the discretion of DE/TL&SS/Concerned and recoverable in the monthly bills.

The man-days will be counted from the date indicated in LOI and after clearance by the Engineer in charge at site.

In case of non-supply or absence of deployed personnel in addition to non-payment of wages for days of absence, an amount of Rs.300 (Rupees Three Hundred only) per man-day of absence will be deducted with a right to make alternate arrangements at those locations for manning with a substitute by APTRANSCO.

**13. Statutory Rules, Act & Regulations:**

The tenderer shall indemnify Transmission Corporation of Andhra Pradesh Limited against all claims which may be made under the Workmen's compensation Act or any statutory modification thereof or rules there under or otherwise for in respect of any damage or compensation payable in consequence of any accident or injury sustained by any workman engaged in the performance of the business relating to this work contract. In all cases of personal injury to workmen employed by a tenderer on the work for which the tenderer is liable to pay compensation under the Workmen's Compensation Act, the Tenderer shall pay the prescribed medical fee to the Medical Officer for issue of 'C' – 'D' forms as prescribed.

**14.** The Tenderer shall indemnify APTRANSCO against all claims which may be made under the minimum Wages Act and child Labour Act or any statutory modification thereof or Rules there under or otherwise for in respect of any damage or compensation arising in consequence of any dispute under these Acts.

**15.** The Tenderer shall indemnify the APTRANSCO against all claims which may be made in respect of any person employed by the Tenderer on these works towards Insurance charges or claims whatsoever.

**16.** The form of contract will be lump sum.

**17.** The rates and prices quoted by the tenderer while submitting the tender shall be firm till the work completed. The quoted rates shall be binding on the tenderer even for the award of part work.

**18. The Tenderer has to enclose to his tender**

- i) An attested copy of valid "A" Grade Electrical License issued by Electrical Inspectorate;
- ii) Attested copy of registration certification issued by APTRANSCO;
- iii) An attested copy as a proof for "EPF &ESI code number" allotted by concerned authorities of the respective region.
- iv) If the Tenderer is a partnership concern, an attested copy of partnership deed and Form "C" Certificate or certified copy of Form "A" showing all the names of partners obtained from the Registrar of Firms;

- v) Credentials of similar nature of work undertaken previously;
  - vi) Particulars of staff: Technical & Non-Technical;
  - vii) Postal Addresses and telephone numbers. The name & postal address shall exactly match with the name & address as mentioned in the 'A' Grade Electrical Certificate.
  - viii) For manpower societies, an attested copy of Registration with Registrar of Co-Operative Societies and resolution from the members of the society to authorize valid 'A' Grade license holder to participate in bid.
  - ix) Xerox copy of valid Service Tax registration certificate.
  - x) Periodical returns filed by the tenderer under various applicable Acts, Viz, EPF & MP Act, ESI Act, C.L. (R&A) Act, etc., if already covered under the respective Acts.
19. The Tenderer has to obtain necessary license and competency certificate from the Electrical Inspectorate to handle the lines, equipment by the workers employed by him
  20. The Tenderer is responsible for any accidents caused to the personnel and damage to equipment during the period of contract. The contractor is responsible for the loss sustained by APTRANSCO due to damage to equipment
  21. The Tenderer has to make Insurance coverage of accident that may arise while carrying out the O&M duties of the Substation
  22. The Tenderer should follow all Statutory Rules, Acts and Regulations that are relevant and necessary for carrying out the O&M works of the Substations
  23. Weekly off shall be given as prescribed under Minimum Wages Act to all the labour employed.
  24. The Tenderer shall follow the provisions of Industrial Disputes Act in case any dispute arises with his labour.
  25. The Tenderer shall be responsible for payment of compensation in case of accidents while carrying out the O&M works at Substation. The APTRANSCO is in no way responsible for any of the accidents. The tenderer shall give written under taking as per the proforma indicated in **Annexure-VI**.
  26. For any failure of implementing the statutory rules and Regulations by the Tenderer the APTRANSCO will be a liberty to recover such amounts from the bills or security deposits of the Tenderer.
  27. The Contract will be liable for termination if the work is not carried satisfactorily and in accordance with Rules in vogue.

28. The Tenderer shall note that in case of carrying out the work in the vicinity of equipment in service, care must be taken to avoid any accidents. If any work is to be done on any of the equipment, the tenderer / his representative shall ensure that such works will be carried out only after taking proper line clear. It may clearly be noted that in no case the TRANSMISSION CORPORATION OF Andhra Pradesh Limited will be responsible for any accidents that may occur and for any compensation to be paid arising out of accidents.
29. No child labour should be employed.
30. The successful tenderer shall be responsible for recruiting employees at his choice. Under no circumstances, the employee of the successful tenderers shall be considered as APTRANSCO employee and claim remuneration on par with scales of APTRANSCO employees. The tenderer shall make it clear to the labourers engaged by him that they are his labour and APTRANSCO has nothing to do with their employment or any other claim.

31. **DEPLOYMENT OF PERSONNEL:**

Deployment of personnel shall have the approval of the Officer in charge and the details regarding the antecedents of the proposed personnel shall have to be submitted to the officer in charge before actual deployment. The decision of the officer in charge in accepting or rejecting any person shall be final and binding.

- (a) The Tenderer shall provide necessary labour with minimum qualification as specified in the **Annexure-II** and they will be tested for their knowledge for various Operations in the Substation connecting to the breakers, isolators, issuing of line clear, etc., before actually engaging them by the Departmental Engineer;
- (b) Each personnel deployed by the Tenderer should be issued identity card with passport size photograph affixed on it and duly attested by the Tenderer. A photo copy of such identity card to be given to officer-in-charge;
- (c) In the event of the tenderer substituting the skilled /semi-skilled/unskilled labour by suitable labour of the qualification laid down, they will be kept on a training period of seven days at tenderers cost.
- (d): **Procedure for checking the educational qualifications:**
  - i) **Skilled labour:** - The Divisional Engineer/Asst. Divisional Engineer has to verify the certificate produced by the labour (through the contractor). They will be kept in training under supervision of Asst Divisional Engineer/Asst. Engineer for one week to acquaint to the EHT System.
  - ii) **Semi-skilled labour:** - The Divisional Engineer/Asst. Divisional Engineer has to verify the certificate produced by the labour (through the contractor). They will be kept in training under supervision of Asst. Divisional Engineer for one week to acquaint to the EHT system.
  - iii) The contractors has to submit the notary attested copies of certificates of labourers and an undertaking on Rs.100 stamp paper by the individual labourer that the educational qualifications are true and if found incorrect at later stage, the contractor is liable for suitable criminal and civil actions.

32. APTRANSCO has got full powers to decide the tenders and is not bound to accept the lowest tender.

APTRANSCO also reserves the right to cancel or reject all or any Tender(s) without assigning any reason and without being liable to refund the cost of Tender document there upon.

33. Any other terms and conditions as per APTRANSCO Rules and Regulations, not covered herein will be binding on the tenderer.
34. The labour engaged by the Tenderer shall be courteous, obedient and sincere to the APTRANSCO Engineers while discharging the duties entrusted to them. In case of any misbehavior by any of the labour engaged, the tenderer shall take full responsibility in replacing the concerned with a suitable trained person.
35. If directed by the Officer-in-charge of the substation one of the unskilled labour engaged by the tenderer shall attend the sweeping work of the control room and its surroundings besides planting small flowering plants on the premises to have better appearance of the substation and watering of the plants from withering away.
36. All disputes arising out of this contract should be decided in the courts situated in the geographical boundaries of the respective TL&SS Circle/Zone. No suit or legal proceedings should be instituted elsewhere.
37. The present pattern of contract labour at EHT sub-stations to utilize the labour optimally as indicated in **Annexure-V**.
38. All registration and statutory fees, if any in respect of contractor's work pursuant to this contract shall be payable by the contractor.
39. The tenderer shall be liable to make payment to all the deployed personnel and shall comply with the provisions of relevant labour laws. If APTRANSCO held liable as principle employer to pay compensation/ contribution etc. under any Act or Court decision in respect of the employees of the tenderer then the tenderer shall reimburse the amounts of such compensation contribution so paid by APTRANSCO or APTRANSCO will be entitled to recover the amount so paid from the tenderer either by deduction from any amount payable to the tenderer under any contract or as a debt payable by the contractor.
40. The Tenderer shall provide all statutory requirements and facilities to the labour engaged at his own cost.
41. The tenderer has to maintain all records/registers as required as per labour act. The tenderer is responsible for payment of wages on national and festival holidays, leave with wages, etc without any extra financial commitment to APTRANSCO. In case of default, the tenderer shall be solely liable for any actions as contemplated under the respective laws.
42. The contractor shall submit periodical returns as required under various labour laws in default whereof; the contractor shall be solely liable for any actions as contemplated under the respective laws.
43. The works entrusted are to be carried out by the tenderer or labourers engaged by him only and tenderer should not transfer the work contract to the third party.

**SIGNATURE OF THE TENDERER**

**NAME**

**(IN BLOCK LETTERS)**

**SEAL:**

**DATE:**

**CERTIFICATE**

I / we have gone through all the Terms and Conditions of the Specification mentioned above and submit our tender herewith duly accepting all the terms and conditions laid down therein

SIGNATURE OF THE TENDERER  
NAME  
(IN BLOCK LETTERS)

SEAL:  
DATE :

**ENCLOSURES TO THE SCHEDULE:**

- |     |                                                                                                                                                                                                                                                                                                                                                                                |        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1.  | Scope of work: duly signed by the Tenderer                                                                                                                                                                                                                                                                                                                                     | YES/NO |
| 2.  | Whether latest valid Income Tax Clearance Certificate is enclosed:                                                                                                                                                                                                                                                                                                             | YES/NO |
| 3.  | In case of partnership firm, whether attested copy of Partnership deed and Form 'C' showing all the names of partners obtained from the Registrar of firms is enclosed.                                                                                                                                                                                                        | YES/NO |
| 4.  | Details of Bid security remitted                                                                                                                                                                                                                                                                                                                                               | YES/NO |
| 5.  | Whether declaration in respect of relatives working in APTRANSCO/DISCOMS furnished.                                                                                                                                                                                                                                                                                            | YES/NO |
| 6.  | Self attested copy of valid EPF Registration Certificate, if already registered.                                                                                                                                                                                                                                                                                               | YES/NO |
| 7.  | Self attested copy of valid ESI Registration certificate, if the area is covered under ESI Act and line agency is already registered.                                                                                                                                                                                                                                          | YES/NO |
| 8.  | Self attested copy of valid Service Tax registration certificate.                                                                                                                                                                                                                                                                                                              | YES/NO |
| 9.  | Periodical returns filed by the under various applicable Acts, Viz, EPF & MP Act, ESI Act, CI. (R&A) Act, etc., if already covered under the respective Acts.                                                                                                                                                                                                                  | YES/NO |
| 10. | LOAs in respect of the contracts already executed or being executed by them (if any) in PSUs or other establishment.                                                                                                                                                                                                                                                           | YES/NO |
| 11. | In case, the agency is sponsored for the first time, and not in possession of the EPF & ESI and Service tax Registration Certificates as on date of bid, the agency shall submit a declaration to the effect the they shall submit these certificates within a month from the date of award or before submitting the bill for the 1 <sup>st</sup> month, whichever is earlier. | YES/NO |
| 12. | Postal Addresses and telephone numbers. The name & postal address                                                                                                                                                                                                                                                                                                              | YES/NO |

SIGNATURE OF THE TENDERER  
NAME  
(IN BLOCK LETTERS)  
SEAL:  
DATE:

## ANNEXURE-I

| Sl. No | TL&SS Zone     | TL&SS Circles                                              | Districts Covered under the Zone                                                  |
|--------|----------------|------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1      | HYDERABAD      | Hyderabad<br>Metro<br>Nalgonda<br>400 kV Mamidipalli<br>SS | Mahaboobnagar, Medak<br>Hyderabad, Rangareddy<br>Nalgonda                         |
| 2      | WARANGAL       | Warangal<br>Nizamabad<br>Karimnagar                        | Warangal, Khammam<br>Nizamabad, Adilabad<br>Karimnagar,                           |
| 3      | KADAPA         | Kadapa<br>Kurnool<br>400 kV Narnoor SS                     | Kadapa, Chittoor<br>Kurnool, Anantapur                                            |
| 4      | VIJAYAWADA     | Vijayawada<br>Nellore                                      | Krishna, Guntur<br>Nellore, Prakasham                                             |
| 5      | VISAKHAPAT NAM | Visakhapatnam<br><br>Rajahmundry<br><br>400 kV Kalpaka SS  | Visakhapatnam,<br>Vijayanagaram,<br>Srikakulam<br>East Godavari,<br>West Godavari |

### Tenders intended for TL&SS Zone

### Filled in tenders to be deposited at

**Hyderabad**  
**District,**

**Inspector of Police, Vigilance & APTS**  
**O/o.SE(Operation), Ranga Reddy**  
**Buddha Bhavan, Hyderabad**

**Visakhapatnam**

**Inspector of Police, Vigilance & APTS**  
**O/o.SE(Operation), APEPDCL,**  
**Opp.Green Park Hotel,**  
**Visakhapatnam**

**Vijayawada**

**Inspector of Police, Vigilance & APTS**  
**O/o.SE(Operation), APSPDCL,**  
**Vijayawada**

**Kadapa**

**Inspector of Police, Vigilance & APTS**  
**O/o.SE(Operation), APSPDCL,**  
**Kadapa**

**Warangal**

**Inspector of Police, Vigilance & APTS**  
**O/o.SE(Operation), APNPDCL,**  
**Warangal.**

## ANNEXURE-II

### A) QUALIFICATIONS OF THE LABOUR TO BE ENGAGED

| Sl<br>.N<br>o | LABOUR TO BE<br>ENGAGED | MINIMUM<br>QUALIFICATION       |
|---------------|-------------------------|--------------------------------|
| 1.            | SKILLED                 | Diploma in Electrical<br>Engg. |
| 2.            | SEMISKILLED             | I.T.I ( Electrician)           |
| 3.            | UNSKILLED               | ---                            |

### B) QUALIFICATIONS OF THE LABOUR TO BE ENGAGED for Telecom wing.

| Sl<br>.N<br>o | LABOUR TO BE<br>ENGAGED | MINIMUM<br>QUALIFICATION                        |
|---------------|-------------------------|-------------------------------------------------|
| 1.            | SKILLED                 | Diploma in Electronics &<br>Communication Engg. |
| 2.            | SEMISKILLED             | I.T.I ( Electronics)                            |

## ANNEXURE-III

### **Undertaking to be given by the Company/Partnership Firm/Contractor along with the Tender.**

I, \_\_\_\_\_ representing the Company/Partnership Firm/Contractor responding to the bid invitation by the APTRANSCO vide Specification No. \_\_\_\_\_ hereby sincerely and solemnly affirm and state as follows:

#### **(Strike out which is not applicable)**

(a) That myself or any of the representative of my Company/Firm do not have any relatives as defined in appended Annexure-IV in the APTRANSCO/ DISCOM.

**OR**

(b) That the following officers/employees of the APTRANSCO/DISCOM are related to me or to representatives of my Company/ Firm and their status in the APTRANSCO/ DISCOMS is as under:

| Sl. No. | Name of the officer/ employee | Designation and Place of working | APTRAN SCO/ DISCOM | Relationship |
|---------|-------------------------------|----------------------------------|--------------------|--------------|
| 1       |                               |                                  |                    |              |
| 2       |                               |                                  |                    |              |
| 3       |                               |                                  |                    |              |
| 4       |                               |                                  |                    |              |
| 5       |                               |                                  |                    |              |
| 6       |                               |                                  |                    |              |

It is certified that the information furnished above is true to the best of my knowledge and belief. It is hereby undertaken that in the event of any of the above information found to be false or incorrect at a later date, the APTRANSCO/ DISCOM is entitled to terminate the contract/ agreement entered into besides recovering damages as may be found necessary, with due notice.

#### **Signature of the authorized representative/Tenderer**

**Name:**  
**(in block letters)**

**Seal:**

**Date:**

## ANNEXURE-IV

### **LIST OF RELATIVES:**

- |                                     |                                              |
|-------------------------------------|----------------------------------------------|
| 1. Father                           | 14. Daughter's Husband                       |
| 2. Mother (including Step mother)   | 15. Daughter's Son                           |
| 3. Son (including Step Son)         | 16. Daughter's Son's Wife                    |
| 4. Son's Wife                       | 17. Daughter's Daughter                      |
| 5. Daughter(including Step Daughter | 18. Daughter's Daughter's Husband            |
| 6. Father's Father                  | 19. Brother (including Step Brother)         |
| 7. Father's Mother                  | 20. Brother's Wife                           |
| 8. Mother's Mother                  | 21. Sister (including Step Sister)           |
| 9. Mother's Father                  | 22. Sister's Husband                         |
| 10. Son's Son                       | 23. Son's Wife's Father } (and their         |
|                                     | } siblings)                                  |
| 11. Son's Son's Wife                | 24. Son's Wife's Mother }                    |
| 12. Son's Daughter                  | 25. Daughter's Husband's }                   |
| 13. Son's Daughter's Husband        | 26. Daughter's Husband's Father } (and their |
|                                     | } siblings)                                  |
|                                     | Mother }                                     |

## ANNEXURE-VI

Proforma for draft under taking:

From  
M/s.----- ,  
-----,  
-----,  
Pin:  
Phone No: .

To  
The Superintending Engineer,  
TL&SS/ -----Circle,  
-----,  
-----  
Pin:

Sir,

**Sub: Operation & Maintenance of EHT Sub stations/ Line at -----To incur medical expenses towards treatment of the contract labourers engaged – Under taking submitted -Reg.**

Ref: Agreement No: ---, Dated: ----

\* \* \* \* \*

I/M/s.-----am executing the operation and maintenance of EHT sub-station /CBD gang at ----- with ---Nos. Skilled persons,---Nos. semi-skilled persons & ---Nos. Un-skilled persons for the period from ----- to ----- .vide Agreement .No.-----,Dated:----- .

In this regard, Group Insurance Scheme issued by M/s. -----valid upto----- is provided for -----Nos. (Total number) persons engaged by me for the above subject work .

It is here by under taken that I shall provide financial assistance towards medical treatment to any of the persons engaged by me, when met with any accident in future while executing the work allotted.

If I/(M/s.-----)fail to fulfill the above, respective charges shall be recovered from my Security deposit amounts available with the department.

Yours faithfully,

Place:  
Date:

Signature:  
Name:

## SCHEDULE-A

**SPECIFICATION NO. CE/TRANSMISSION/WC.NO. / 2010-11**

Operation & Maintenance Assistance including watch & ward, Assistance for Telecom and MRT Assistance on works contract basis at \_\_\_\_\_ of \_\_\_\_\_ Transmission Sub-Stations (TL & SS) Division, \_\_\_\_\_ TL & SS Circle, APTRANSCO.

| Sl. No. | Description                                                                                                                                                                                                                                | Period  | Rate (in Rs) |          |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|----------|
|         |                                                                                                                                                                                                                                            |         | In figures   | In words |
|         | Carrying out Operation Assistance round the clock and Maintenance Assistance including watch & ward, assistance for Telecom and MRT Assistance effectively and efficiently as per the terms and conditions mentioned in the specification. |         |              |          |
| 1       | <b>ADMINISTRATIVE / SUPERVISION CHARGES (15 to 20%) of wages</b>                                                                                                                                                                           | Monthly |              |          |

Wages of labour fixed as per G.O.Ms.No.6, Dt.18.08.2009 as notified by Commissioner of Labour, AP, Hyderabad.

SIGNATURE OF THE TENDERER :  
NAME :  
(IN BLOCK LETTERS)  
SEAL :  
DATE :

## **SCHEDULE-B**

**SPECIFICATION NO. CE/TRANSMISSION/WC.NO. / 2010-11**

| <b>Sl.<br/>No.</b> | <b>Description of work</b> | <b>Experience *</b> |           |
|--------------------|----------------------------|---------------------|-----------|
|                    |                            | <b>From</b>         | <b>To</b> |
| 1                  |                            |                     |           |
| 2                  |                            |                     |           |
| 3                  |                            |                     |           |
| 4                  |                            |                     |           |
| 5                  |                            |                     |           |

\* Attested copies with date as documentary proof shall be enclosed

**SIGNATURE OF THE TENDERER :**  
**NAME :**  
**(IN BLOCK LETTERS)**  
**SEAL :**  
**DATE**

## **SCHEDULE-C**

**SPECIFICATION NO. CE/TRANSMISSION/WC.NO. / 2010-11**

| <b>Sl. No.</b> | <b>Name of the Degree/Diploma</b> | <b>Name of the University/ College</b> | <b>Year of passing</b> |
|----------------|-----------------------------------|----------------------------------------|------------------------|
| 1              |                                   |                                        |                        |
| 2              |                                   |                                        |                        |
| 3              |                                   |                                        |                        |

\* Attested copies with date as documentary proof shall be enclosed.

**SIGNATURE OF THE TENDERER :**  
**NAME :**  
**(IN BLOCK LETTERS)**  
**SEAL :**  
**DATE**

**SPECIFICATION No. WC      /2010-2011**  
**OF CHIEF ENGINEER / TRANSMISSION, APTRANSCO, HYDERABAD**

**SCOPE OF WORK**

The following works are to be carried out in the Sub-Station during the period of the contract; under the guidance and control of Engineer in charge of the Sub -Station.

**1.A. OPERATIONAL ASSISTANCE RELATING TO THE OPERATION OF SUB-STATIONS:**

1. Recording the readings at periodical intervals including Boundary Metering Points as specified by DE/ EHT, Lines and Sub-Station and maintain them in the Log-Book
2. Recording all trippings of breakers and other events that occur in the order of sequence with the time of occurrence correctly and record them in Log Book.
3. All operations are to be carried out correctly and accurately and are to be recorded in the Log Book
4. Shall follow strictly operating instructions given by DEE to carry out the operations like charging CBs and other equipment, issue of LCs to the authorized person etc.
5. Must observe all safety precautions and ensure safety to men and material and the equipment during the contract period.
6. Must attend to all emergencies which may arise during the contract period such as equipment failures, fire accidents, etc., shall get acquainted with all the operations such as isolating transformers and other equipment etc.
7. Shall attend to all Telephone calls and issue receipt message promptly.
8. Shall prepare daily reports in the prescribed proforma in quadruplicate and submit to the concerned Section Officers. The Department will supply the Forms.

9. Shall be held responsible for the equipment and other materials kept at the Sub-station area. Shall also be responsible for Watch and Ward of the entire Sub-station premises.
10. Shall be held responsible for any damages that occur due to Mal-operation of equipment and shall make good the loss suffered by Transmission Corporation of A.P. Limited
11. Shall be alert and attend to all operations and events promptly without any delay.
12. Updating of interruptions Register, Trunk Call register Data Book. Batter register, Register of inspection of jumpers. Apart from the above, the contractor shall carry out the following checks during the contract period daily.

**B. TRANSFORMERS:**

1. Checking of oil level in conservator and temperatures of oil and winding and bushings and also examine for leaks.
2. Checking un-usual internal noises.
3. Checking relief diaphragm for cracks.
4. Checking and renewal of HG Fuses and Section fuses of Station Transformer.
5. Shall check the condition of silica gel and record in the Log Book.
6. Check up operation of Cooler Fans and Oil pump of Power Transformer

**C. 132 / 33 / 11 KV BREAKERS:**

Checking of healthiness of trip circuits, SF6 Gas pressure, pneumatic and hydraulic pressures and its leakage if any and other works specified by the Divisional Engineer / EHT Lines and Substation / A.D.E / Maintenance

**D. SWITCH YARD**

Checking the Yard at hourly intervals and note down any unusual observations, defects, sparks, loose contracts, Red hot spots and loose bolts and nuts etc., and informing the concerned AAE/AE/ADE

**E. BATTERIES:**

1. Taking specific gravity and voltage of pilot cells daily during morning shift and for all cells weekly once.
2. Checking for DC Earth leakage.

**F. EARTH PITS**

All the earth pits are to be watered daily.

**G. GENERAL VISUAL CHECKS / MAINTENANCE:**

To be carried out in each shift, as per operating instructions given by the DE / TL & SS and as per CHECK LIST ENCLOSED HERE IN.

- H.** Any other minor works allotted by the concerned maintenance Engineer of APTRANSCO at site.
- I.** Shall report to the concerned AAE/AE and ADE on important occurrences of Breakdowns and defects observed. The above works are to be done by contractor. This does not constitute a part of special maintenance.
- J.** Surroundings of the control room should be kept clean daily and small flowering plants may be planted around the control room to have better appearance.

**SIGNATURE OF THE TENDERER :**

**NAME (IN BLOCK LETTERS) :**

**SEAL :**

**DATE :**

**SPECIFICATION No. WC      /2010-2011**  
**OF CHIEF ENGINEER / TRANSMISSION, APTRANSCO, HYDERABAD**

**1. B      MAINTENANCE ASSISTANCE RELATING TO THE MAINTENANCE OF  
SUB-STATIONS**

Periodical maintenance of all the equipment shall be carried out by availing prearranged shutdowns.

**A.      DAILY MAINTENANCE**

**E.H.V. POWER TRANSFORMERS**

1. Checking the colour of Silica gel in the breather and replacement or reconditioning if colour changes from blue to pink say about 50% of the total quantity. Checking up of oil level of the oil seal (to be up to the level marked in the cup)
2. Checking of oil level in (a) main conservator (b) OLTC conservator (c) bushings and examining for leaks of oil.
3. Checking for noise and vibrations or any abnormality from oil pumps and cooling fans.
4. Checking for pressure relief explosion vent diaphragm for cracks.
5. Forced cooling system. Checking for leakage of water into cooler (forced cooling system by oil pumps).

**CIRCUIT BREAKERS OF 33 KV AND ABOVE**

6. SF6 density monitoring (in each shift)
7. Checking of air pressure (in each shift)
8. Draining out condensed water from HP cylinders (Twice daily)
9. Anti condensation heaters.
10. Checking of oil leakage from gauge glass, drain valve and other joints.
11. Checking of air pressure.
12. Draining of moisture from air receiver, visual inspection cleaning.
13. Checking of cumulative running hour of compressor. (Once in each shift)
14. Checking of oil pressure and level.
15. Visual check for oil leakage.

## **BATTERIES / BATTERY CHARGER / DC DISTRIBUTION SYSTEM**

- 16. Checking of battery surface joints and all connections
- 17. Specific gravity measurement of pilot cell
- 18. Voltage reading of pilot cells
- 19. Visual checking of battery room ventilation and lighting
- 20. Checking of healthiness of AC supply to the charger.
- 21. Output voltage check
- 22. Checking for DC earth leakage
- 23. Check for emergency lights.
- 24. Auto start and running up of DG set
- 25. Checking D.C.Distribution (i) External (ii) Internal

## **LIGHTNING ARRESTORS**

- 26. Visual inspection
- 27. Surge counter reading.

## **ISOLATORS**

- 28. Visual inspection

## **CURRENT TRANSFORMERS**

- 29. Visual check
- 30. Oil leakage

## **MAINTENANCE OF C.V.T.S**

- 31. Oil leakage
- 32. Chattering sounds

## **EARTH PITS**

- 33. Watering of earth pits

## **CHARGERS**

- 34. The floating voltage of the charger across the battery should be noted at the charger end, as well as at the battery end and it should be ensured that the floating voltages is kept at 2.16 volt per cell stabilized within + / - 1%

35. The float charger has to be examined to check whether the same is working in 'Auto mode only which the + / - 1% voltages stability across the batter can be guaranteed. IF the float charger manufacturers have to be called, to set right the float charger for ensuring it's working in Auto mode.
36. Electrolyte specific gravities of a few chose cells, have to be taken every day, 50% of the cells of the battery bank can be used as pilot cells for daily specific gravity measurements.
37. The cell containers, stands, insulators, connectors, vent plugs, terminals etc..., have to be cleaned every day.
38. In order to ensure that the full battery is available across the DC load terminals, it is necessary to switch-off the float charger, float an one-minute duration everyday, at a specific time to note the battery discharging through the load of the bus bar. This will also ensure that battery is healthy and that there is no open circuit anywhere.

#### **B. MONTHLY MAINTENANCE**

1. Cleaning all bushings of Power transformer, station transformer LA's CB's CT's PT's & any other equipment
2. Checking of Bucholtz relay for any gas or air entrapped.
3. Checking the Electrical circuits.
4. Replacing / reconditioning of silica gel in the breaker and its connected system.

#### **C. QUARTERLY MAINTENANCE**

1. Collecting transformer oil samples from the powertransformers and breathers and its connected system
2. Maintenance of Batteries

#### **D. HALF YEARLY MAINTENANCE**

1. Checking of LA's and Bushings and insulators for cracks, if any.

#### **E. YEARLY MAINTENANCE**

1. Collecting transformer oil samples oil samples from power transformer and OLTC for testing.
2. Checking Bucholtz relay operation by injecting air into gas collection chambers.
3. Measurement of earth resistance by earth megger.
4. Checking the yard lighting

**Any other maintenance works or changes in the above schedule as per the directions of Divisional Engineer / Engineer at site of APTRANSCO.**

**SIGNATURE OF THE TENDERER :**

**NAME (IN BLOCK LETTERS) :**

**SEAL :**

**DATE :**

**SPECIFICATION No. WC /2010-2011  
OF CHIEF ENGINEER / TRANSMISSION, APTRANSCO,  
HYDERABAD**

**SCOPE OF WORK**

**1(C) WATCH & WARD BY UNSKILLED LABOUR:**

**The scope of service to be provided by the agency shall include, but not limited to the following:**

1. The contract shall provide, at his own cost, to the deputed personnel should be neatly dressed including whistle, shoes, torches with cells, canes/ lathis, raincoat.
2. Normally the contractor is prohibited in deploying same security personnel beyond eight hours duration. However, under exceptional circumstances, APTRANSCO may permit over time.
3. Each personnel deployed by the contractor should be issued identity card with passport size photograph affixed on it and duly attested by contractor.
4. Providing security Coverage to protect the property of APTRANSCO at all times against theft, burglary, damage by unwanted elements, unauthorised removal of documents and property etc., from inside or outside the premises.
5. Providing safety cover to protect the office premises/ complex and their contents from damaged by fire or water.
6. Providing assistance to APTRANSCO in case of strikes, riots and labour unrest.
7. Manning the posts identified by officer-in-charge round the clock for performing duties as allocated by office-in-charge from time to time.
8. Assisting by actively participating in removal of unauthorized occupants / encroachments from the premises of the APTRANSCO.
9. Assisting liaison with civil and police authorities of the area / district where security coverage is being given. In this connection, the expenses if any towards TA, DA etc., has to be borne by the Contractor.

10. Ensuring entry of the employees of the APTRANSCO etc., into the premises under all conditions including hindrances, dharnas, strike and gherao etc., caused by any individual or group of persons.
11. Controlling the movement of employees and visitors in the office premises as directed by Officer –in-charge. To take charge of keys for locking & unlocking of office premises.
12. Checking all incoming and outgoing goods and vehicles and maintaining their record. Registration number of vehicles and their time of entry and exit should be noted. It shall be ensured that all items being transported to outside the sub-station are under valid gate pass.
13. Ensuring compliance of safety regulations including smoking restrictions and to assist as directed by officer – in – charge in prevention of accident.
14. The personnel should acquaint with location of all fire fighting equipments and in giving assistance.
15. Recording all occurrences concerning the security in the log book.
16. Any other duty as may be assigned from time to time as the need arise.
17. Safety & Protection of the personnel, property and assets, movable and immovable of APTRANSCO.
18. Locking & Unlocking of all office rooms / chambers, claims and switching off the lights, fans, power points, air – conditioners, heaters, motors etc., as required.
19. Intensive patrolling in the area specified by officer – in – charge from time to time with a view to complete assigned tasks.
20. The un-skilled labourers engaged under Z+, Z & Y categories sub-stations were continued for further strengthening the security arrangement. However the un-skilled persons engaged for watch and ward shall attend the other works entrusted by the sub-station in-charge when necessity arises.

**SIGNATURE OF THE TENDERER :**

**NAME (IN BLOCK LETTERS) :**

**SEAL :**

**DATE :**

## **CHECK – LIST**

1. 220/132/33 KV Bus Voltages, frequency and Station load
2. Check healthy trip of all the breakers
3. Check battery voltages, DC leakage, charger conditions, Switch off the charger and note battery voltage.
4. Check whether the battery is in Boost or Trickle charge condition.
5. Check the carrier phones in all directions and intimate the Telecom wing in case of trouble. Similarly Wire-less and P & T Phones to be check-up.
6. Check the Diesel Generator if available and make a Trial Run for 8 minutes once in a day. Check the voltages.
7. Check the annunciation panels. Press the lamp test and report the failure of lamps to maintenance wing.
8. Check the load and amperage in all phases on each feeders.
9. Check the power Transformers physically. Note the oil and winding temperatures, load and tap position, Cooling fans condition and oil levels in the conservator, tap changer diverter switch, Bushings and dehydrating breather.
10. Check the condition of the Air compressor; Note the amperage, Air pressure, Air pressure at different locations (i.e., wherever pressure gauge is available).
11. Check the entire yard for any unusual sounds.
12. During night shift, check for sparking at joints/ jumpers.
13. Check for compressor air leak at all locations where the main line is tapped.
14. Check the oil level in the MOCBs.
15. Check the Gas pressure, air pressure in SF6 Circuit Breakers and oil level in the Air compressor
16. Check for any sparking or flashover marks at the earth pit connections and intimate the maintenance staff.

17. To note the running hours of each compressors and periodically change-over the compressor. Separate Register for running of the compressors to be maintained.
18. Check for proper watering of EARTH-PITs.
19. Check whether all the energy meters of the feeders are working or not, report to staff on any defect noticed.
20. Activate protection whenever LC is issued on any feeder / transformer besides ensuring hand tripping.
21. Check the fire fighting appliances availability at assigned locations.
22. Ensure that all the relevant relays flags are in 'RESET' position.
23. Note down the OLTC Counter.
24. Ensure that the D.A Micro Ammeter reading I in safe range.
25. Whenever a feeder tripping occurs, contact the other end station and note down the Relay indications.
26. When the C.B. is provided with a separate compressor / Air Tank, Drain Air to sufficient quantity for ensuring auto-start of air compressor.

**SIGNATURE OF THE TENDERER :**

**NAME (IN BLOCK LETTERS) :**

**SEAL :**

**DATE :**

**SPECIFICATION No. WC        /2010-11**  
**OF CHIEF ENGINEER / TRANSMISSION, APTRANSCO, HYDERABAD**

**MRT ASSISTANCE RELATING TO THE MRT SUB-DIVISIONS**

The scope of service to be provided under the guidance and control of MRT Engineers by the agency shall include, but not limited to the following:

The labour employed by the agency shall assist the MRT Engineers during

- i) Daily/ routine/ periodical/ preventive Maintenance works and Sub-station emergencies.
- ii) be available to attend Grid emergencies round the clock.
- iii) Periodical testing of boundary meters between APTRANSCO, APGENCO, DISCOMS and Private Developers and rectification of defective meters etc.
- iv) Periodical tests of CTs, PTs and Power Transformers for Tan-Delta& Capacitance tests etc.
- v) Periodical testing of Relays and replacement of defective schemes if any.
- vi) Rectification works of Switch- Gear, Power Transformers, Battery Chargers and Control & Relay panels including both Electrical & Mechanical, if any.
- vii) Calibration of Panel meters such as Ammeters, Voltmeters, MW meters, MVAR meters and replacing the defective meters etc.
- viii) Replacement of old C&R panels, Annunciation Schemes, old and damaged cables etc.
- ix) Laying of cables and commissioning of newly erected equipment.
- x) Testing and commissioning of new equipment such as Breakers, C&R panels, Instrument Transformers in yet to be commissioned new sub-stations etc.
- xi) Changing of transformer oil to the Power Transformers, MOCBs, CTs, CVTs etc. and its filtration works.
- xii) SF6 gas filling works pertaining to SF6 breakers.

**SIGNATURE OF THE TENDERER        :**  
**NAME (IN BLOCK LETTERS)        :**  
**SEAL        :**  
**DATE        :**

**SPECIFICATION No. WC        /2010-11**  
**OF CHIEF ENGINEER / TRANSMISSION, APTRANSCO, HYDERABAD**

**ASSISTANCE FOR TELECOM WING**

The scope of service to be provided under the guidance and control of TELECOM Engineers by the agency shall include, but not limited to the following:

The labour employed by the agency shall assist the Telecom Engineers during

- i) Monitoring of grid communications at EHT Sub-stations and VHF communication at 33kV & EHT Sub-stations periodically as per the instructions given by field engineers at site.
- ii) Recording the communication interruptions that occur in the order of sequence with the time of occurrence correctly and intimating the same to the engineer in charge immediately.
- iii) Following strictly the operating instructions given by the ADE/AE to carry out the operations like switching ON the cabinet, resetting the systems, carrying out minor repairs etc.
- iv) Observing safety precautions and ensuring safety to men, material and equipment.
- v) Responding to the instructions given by the Engineer in charge.
- vi) Cleaning of the PLCC/Wideband/VHF equipment to keep it dust free.
- vii) Maintaining the Batteries neatly, taking the specific gravity and voltages of the pilot cells daily and for all cells once in a week and recording the values in a separate register.
- viii) Any other minor works allotted by the concerned ADE/AE.
- ix) Assisting the ADE/AE in attending rectification of PLCC/Wideband/VHF problems.

**SIGNATURE OF THE TENDERER        :**  
**NAME (IN BLOCK LETTERS)        :**  
**SEAL        :**  
**DATE        :**

## **BID SECURITY FORM**

Whereas ..... (here inafter called "the bidder") has submitted its bid dated (date of submission of bid) for the supply of ..... (name and / or description of the materials / equipment) (hereinafter called "the bid")

KNOW ALL PEOPLE by these presents that WE ..... (name of bank) having our registered office at ..... (address of bank) (hereinafter called "the bank") are bound unto ..... (name of purchaser) (hereinafter called "the purchaser") in the sum of ..... For which payment well and truly to be made to the said purchaser, the bank binds itself, its successors, and assigns by these presents. Sealed with the common seal of the said bank this ..... day of .....200

THE CONDITIONS of this obligation are:

1. If the bidder
  - a) withdraws its bid during the period of bid validity specified by the bidder on the bid form; or
  - b) does not accept the correction of errors in accordance with the bid specification, or
2. If the bidder having been notified of the acceptance of its bid by the purchaser during the period of bid validity;
  - a) Fails or refuses to furnish the performance security, in accordance with the bid specification.
  - b) Fails or refuses to execute the contract form if required; or

We undertake to pay the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force upto and including forty five (45) days after ..... (Specification date) the period of the bi validity and any demand in respect thereof should reach the bank not later than the above date.

.....  
(Signature of the bank)

Note : This will be executed on a Rs.100/- non-judicial stamp paper issued by a scheduled bank.

| ANNEXURE-V                                |                  |                    |                           |                    |                                                                                                    |              |            |                         |            |                                 |              |              |                           |
|-------------------------------------------|------------------|--------------------|---------------------------|--------------------|----------------------------------------------------------------------------------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
| DETAILS OF MANNING OF SUB-STATIONS        |                  |                    |                           |                    |                                                                                                    |              |            |                         |            |                                 |              |              |                           |
| Last Date & Time for submission of Tender |                  |                    |                           |                    | 12:00 Hrs. of 17-02-2010                                                                           |              |            |                         |            |                                 |              |              |                           |
| Place for Submission                      |                  |                    |                           |                    | O/o Inspector of Police, APTS & Vigilance, Hyderabad, Visakhapatnam, Vijayawada, Kadapa & Warangal |              |            |                         |            |                                 |              |              |                           |
| Tender opening Date & Time                |                  |                    |                           |                    | 15:00 Hrs. of 17-02-2010                                                                           |              |            |                         |            |                                 |              |              |                           |
| Place of Tender opening                   |                  |                    |                           |                    | O/o CE(TL&SS), HYDERABAD, VISAKHAPATNAM, VIJAYAWADA, KADAPA & WARANGAL                             |              |            |                         |            |                                 |              |              |                           |
| Sl. No.                                   | Name of the zone | Name of the Circle | Name of the Sub-station   | Specificati on No. | Labour Pattern (Shift)                                                                             |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|                                           |                  |                    |                           |                    | Skilled                                                                                            | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1                                         | KADAPA           | Kurnool            | 400kV SS Nanoor           | KNL-1              | 6                                                                                                  | 15           | 15         | 0                       | 0          | 0                               | 0            | 61131        | SE/TL&SS/ Kurnool         |
| 2                                         |                  |                    | 220kV SS Kurnool (AP C)   | KNL-2              | 4                                                                                                  | 4            | 3          | 3                       | 0          | 0                               | 0            | 25425        |                           |
| 3                                         |                  |                    | 220kV SS Nandyal          | KNL-3              | 4                                                                                                  | 4            | 3          | 5                       | 0          | 1                               | 0            | 31162        |                           |
| 4                                         |                  |                    | 220kV SS S.Y.Palli        | KNL-4              | 4                                                                                                  | 4            | 3          | 3                       | 0          | 1                               | 0            | 27582        |                           |
| 5                                         |                  |                    | 220kV SS Anantapur        | KNL-5              | 4                                                                                                  | 4            | 3          | 5                       | 0          | 0                               | 0            | 29005        |                           |
| 6                                         |                  |                    | 220kV SS Hindupur         | KNL-6              | 3                                                                                                  | 4            | 3          | 4                       | 0          | 0                               | 0            | 25058        |                           |
| 7                                         |                  |                    | 220kV SS Gooty R.S.       | KNL-7              | 3                                                                                                  | 4            | 3          | 4                       | 0          | 0                               | 0            | 25058        |                           |
| 8                                         |                  |                    | 220kV Gooty Sw.S          | KNL-8              | 4                                                                                                  | 4            | 3          | 3                       | 0          | 1                               | 0            | 27582        |                           |
| 9                                         |                  |                    | 220kV SS Ramagiri         | KNL-9              | 4                                                                                                  | 4            | 3          | 2                       | 0          | 1                               | 0            | 25792        |                           |
| 10                                        |                  |                    | 220kV SS Tadipatri        | KNL-10             | 4                                                                                                  | 4            | 2          | 3                       | 0          | 0                               | 1            | 25792        |                           |
| 11                                        |                  |                    | 220 KV SS Penna           | KNL-11             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 12                                        |                  |                    | 132kV SS Kurnool          | KNL-12             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 13                                        |                  |                    | 132kV SS Adoni            | KNL-13             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 14                                        |                  |                    | 132kV SS Yemmiganur       | KNL-14             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 15                                        |                  |                    | 132kV Pathikonda          | KNL-15             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 16                                        |                  |                    | 132kV Cement Nagar        | KNL-16             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 17                                        |                  |                    | 132kVAtmakur              | KNL-17             | 4                                                                                                  | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 18                                        |                  |                    | 132kV Dhone               | KNL-18             | 4                                                                                                  | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 19                                        |                  |                    | 132kV Allagadda           | KNL-19             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 20                                        |                  |                    | 132kV Gudur               | KNL-20             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 21                                        |                  |                    | 132kV SS Kadiri           | KNL-21             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 22                                        |                  |                    | 132kV SS Dharmavaram      | KNL-22             | 4                                                                                                  | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 23                                        |                  |                    | 132kV SS Puttaparthi      | KNL-23             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 24                                        |                  |                    | 132kV SS Rayadurg         | KNL-24             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 25                                        |                  |                    | 132kV SS Kalyandurg       | KNL-25             | 4                                                                                                  | 4            | 3          | 3                       | 0          | 0                               | 1            | 27215        |                           |
| 26                                        |                  |                    | 132kV Jammalabanda        | KNL-26             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 27                                        |                  |                    | 132kV SS Guntakal         | KNL-27             | 4                                                                                                  | 3            | 2          | 0                       | 0          | 0                               | 1            | 18633        |                           |
| 28                                        |                  |                    | 132kV SS Komatikuntla     | KNL-28             | 4                                                                                                  | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 29                                        |                  |                    | 132kV SS Banaganapally    | KNL-29             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 30                                        |                  |                    | 132KV SS Ankireddypalli   | KNL-30             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 31                                        |                  |                    | 132 KV SS Racharla        | KNL-31             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 32                                        |                  |                    | 132 KV NandiKotkuru       | KNL-32             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 33                                        |                  |                    | 132KV SS Uravakonda       | KNL-33             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 34                                        |                  |                    | 132KV SS Srisailam        | KNL-34             | 4                                                                                                  | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 35                                        |                  |                    | MRT/SD/Kurnool/Nandyal    | KNL-35             | 0                                                                                                  | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 36                                        |                  |                    | MRT/SD/Anantapur/Hindupur | KNL-36             | 0                                                                                                  | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 37                                        |                  |                    | Wind farms                | KNL-37             | 0                                                                                                  | 4            | 0          | 0                       | 0          | 0                               | 0            | 7159         |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                        | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | KADAPA           | Kadapa             | 400kV SS Chittoor                              | KDP-1             | 4                      | 15           | 15         | 0                       | 0          | 1                               | 0            | 58974        | SE/TL&SS/<br>Kadapa       |
| 2       |                  |                    | 220kV SS Kadapa                                | KDP-2             | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 3       |                  |                    | 220kV SS Yerraguntla                           | KDP-3             | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 4       |                  |                    | 220kV SS C.K.Palli                             | KDP-4             | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 5       |                  |                    | 220kV SS Rajampeta                             | KDP-5             | 3                      | 4            | 3          | 3                       | 0          | 0                               | 0            | 23268        |                           |
| 6       |                  |                    | 220kV SS Mydukur                               | KDP-6             | 3                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 21478        |                           |
| 7       |                  |                    | 220kV SS Kodur                                 | KDP-7             | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 8       |                  |                    | 220kV SS Chittoor                              | KDP-8             | 3                      | 4            | 3          | 4                       | 0          | 0                               | 0            | 25058        |                           |
| 9       |                  |                    | 220kV SS Renigunta                             | KDP-9             | 4                      | 4            | 3          | 5                       | 0          | 0                               | 0            | 29005        |                           |
| 10      |                  |                    | 220kV SS Kalikiri                              | KDP-10            | 4                      | 4            | 3          | 5                       | 0          | 0                               | 0            | 29005        |                           |
| 11      |                  |                    | 220KV SS Pulivendula                           | KDP-11            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 12      |                  |                    | 220 KV SS Tadipathi                            | KDP-12            | 3                      | 0            | 0          | 0                       | 0          | 0                               | 0            | 6471         |                           |
| 13      |                  |                    | 132kV SS Rayachoty                             | KDP-13            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 14      |                  |                    | 132kV SS Badvel                                | KDP-14            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 15      |                  |                    | 132kV SS Pulivendula                           | KDP-15            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 16      |                  |                    | 132kV SS Proddutur                             | KDP-16            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 17      |                  |                    | 132kV SS Vontimitta                            | KDP-17            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 18      |                  |                    | 132kV SS Balapanur                             | KDP-18            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 19      |                  |                    | 132kV T.G.Palli                                | KDP-19            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 20      |                  |                    | 132kV SS Nagari                                | KDP-20            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 21      |                  |                    | 132kV SS Puttur                                | KDP-21            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 22      |                  |                    | 132kV SS Tirupati                              | KDP-22            | 4                      | 4            | 3          | 3                       | 0          | 0                               | 0            | 25425        |                           |
| 23      |                  |                    | 132kV SS Chandragiri                           | KDP-23            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 24      |                  |                    | 132kV SS Pakala                                | KDP-24            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 25      |                  |                    | 132kV SS Madanapalli                           | KDP-25            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 26      |                  |                    | 132kV SS Rompicherla                           | KDP-26            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 27      |                  |                    | 132kV SS Burrakayalakota                       | KDP-27            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 28      |                  |                    | 132kV SS K.P.Mitta                             | KDP-28            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 29      |                  |                    | 132kV SS Shantipuram                           | KDP-29            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 30      |                  |                    | 132kV SS Srikalahasti                          | KDP-30            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 31      |                  |                    | 132kV SS Kuppam                                | KDP-31            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 32      |                  |                    | 132kV SS Punganur                              | KDP-32            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 33      |                  |                    | 132kV SS Palamaneru                            | KDP-33            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 34      |                  |                    | 132kV SS Gurramkonda                           | KDP-34            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 35      |                  |                    | 132kV SS Porumamilla                           | KDP-35            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 36      |                  |                    | 132kV SS Jammalamadugu                         | KDP-36            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |
| 37      |                  |                    | 132KV SS Nagalapuram                           | KDP-37            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 38      |                  |                    | 132KV SS Kondapuram                            | KDP-38            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 39      |                  |                    | 132 KV Moolvanka                               | KDP-39            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 40      |                  |                    | 132kV SS Vempally                              | KDP-40            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 41      |                  |                    | 132KV Bharathi Cements swg.station,Yerraguntla | KDP-41            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 42      |                  |                    | 132kV SS Irala                                 | KDP-42            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 43      |                  |                    | MRT/SD/Kadapa/Yerraguntla                      | KDP-43            | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 44      |                  |                    | MRT/SD/Renigunta/Chittoor                      | KDP-44            | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 45      |                  |                    | ALDC/C.K.Palli                                 | KDP-45            | 4                      | 1            | 2          | 0                       | 0          | 0                               | 0            | 13263        |                           |
| 46      |                  |                    | 132kV SS Sambepally                            | KDP-46            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 47      |                  |                    | 132kV SS G.K.LIS Kondapuram                    | KDP-47            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |

| Sl. No. | Name of the zone | Name of the Circle    | Name of the Sub-station                       | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|-----------------------|-----------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                       |                                               |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | Hyderabad        | 400KV/O&M Mamidipally | 400KV SS Mamidipally                          | MPL-1             | 8                      | 4            | 4          | 0                       | 0          | 4                               | 0            | 38735        | SE/O&M 400KV Mamidipally  |
| 2       |                  |                       | Maintenance                                   | MPL-2             | 1                      | 5            | 1          | 0                       | 0          | 0                               | 0            | 12529        |                           |
| 3       |                  |                       | Fire fighting                                 | MPL-3             | 4                      | 4            | 0          | 0                       | 0          | 0                               | 0            | 15788        |                           |
| 4       |                  |                       | MRT/SD/Mamidipally & telecom Imlibun          | MPL-4             | 0                      | 0            | 0          | 2                       | 1          | 0                               | 0            | 5002         |                           |
| 5       |                  |                       | ALDC/SLDC/Mamidipally                         | MPL-5             | 4                      | 1            | 4          | 0                       | 0          | 0                               | 0            | 16109        |                           |
| 6       |                  |                       | 220kV SS HIAL                                 | MPL-6             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 7       |                  |                       | 220kV SS Shivarampally & Lurger House Telecom | MPL-7             | 4                      | 4            | 3          | 0                       | 0          | 2                               | 0            | 24370        |                           |
| 8       |                  |                       | 220kV SS Ch. Gutta                            | MPL-8             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 9       |                  |                       | 220kV SS Shamshabad                           | MPL-9             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 10      |                  |                       | 132kV SS Asifnagar                            | MPL-10            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 11      |                  |                       | 132kV SS Ibrahimpatnam                        | MPL-11            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 12      |                  |                       | 132kV SS Turkayamzal                          | MPL-12            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 13      |                  |                       | 132kV SS Bandlaguda                           | MPL-13            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 23635        |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station | Specificati on No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|-------------------------|--------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                         |                    | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | HYDERABAD        | Hyderabad          | 400 KV SS Gajwel        | HYD-1              | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        | SE/TL&SS/ Hyderabad       |
| 2       |                  |                    | 400KV SS Veltoor        | HYD-2              | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 3       |                  |                    | 220kv SS Yeddumailaram  | HYD-3              | 4                      | 4            | 3          | 4                       | 0          | 0                               | 0            | 27215        |                           |
| 4       |                  |                    | 220kv SS Siddipet       | HYD-4              | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 5       |                  |                    | 220kv SS Minpur         | HYD-5              | 7                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 28684        |                           |
| 6       |                  |                    | 220kv SS Mahaboobnagar  | HYD-6              | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 7       |                  |                    | 220kv Kalwakurthy       | HYD-7              | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 8       |                  |                    | 220kv SS Dindi          | HYD-8              | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 9       |                  |                    | 220kv SS Shadnagar *    | HYD-9              | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 10      |                  |                    | 220kv SS Wanaparthi     | HYD-10             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 11      |                  |                    | 132kv SS Kandi          | HYD-11             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 12      |                  |                    | 132kv SS Sadasivpet     | HYD-12             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 13      |                  |                    | 132kv SS Zaheerabad     | HYD-13             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 14      |                  |                    | 132kv SS Bollaram       | HYD-14             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 15      |                  |                    | 132kv SS Medak          | HYD-15             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 16      |                  |                    | 132kv SS Manoharabad    | HYD-16             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 17      |                  |                    | 132kv SS Kowdipally     | HYD-17             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 18      |                  |                    | 132kv SS Gummadidala    | HYD-18             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 19      |                  |                    | 132kv SS Siddipet       | HYD-19             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 20      |                  |                    | 132kv SS Gazwel         | HYD-20             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 21      |                  |                    | 132kv SS Chegunta       | HYD-21             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 22      |                  |                    | 132kv SS Tokkapur       | HYD-22             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 23      |                  |                    | 132kv SS Pashamailaram  | HYD-23             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 24      |                  |                    | 132kv SS Narayankhed    | HYD-24             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 25      |                  |                    | 132kv SS Jogipet        | HYD-25             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 26      |                  |                    | 132kv SS Mahabubnagar   | HYD-26             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 27      |                  |                    | 132kv SS Wanaparthi     | HYD-27             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 28      |                  |                    | 132kv SS Kalwakurthy    | HYD-28             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 29      |                  |                    | 132kv SS Makthal        | HYD-29             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 30      |                  |                    | 132kv SS Kothur         | HYD-30             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 31      |                  |                    | 132kv SS Balanagar      | HYD-31             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 32      |                  |                    | 132kv SS Nagar Kurnool  | HYD-32             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 33      |                  |                    | 132kv SS Kodangal       | HYD-33             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 34      |                  |                    | 132kv SS Achampet       | HYD-34             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 35      |                  |                    | 132kv SS Ammangal       | HYD-35             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 36      |                  |                    | 132kv SS Maddur         | HYD-36             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 37      |                  |                    | 132kv SS Alampur        | HYD-37             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 38      |                  |                    | 132kv SS Marikal        | HYD-38             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 39      |                  |                    | 132kv SS Chinamaroor    | HYD-39             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 40      |                  |                    | 132kv SS Narsapur       | HYD-40             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 41      |                  |                    | 132kv SS Habsipur       | HYD-41             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 42      |                  |                    | 132kv SS Gadwal         | HYD-42             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 43      |                  |                    | 132KV SS Ramayampet     | HYD-43             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 44      |                  |                    | 132KV SS Singur         | HYD-44             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 45      |                  |                    | 132 KV RTSS Vikarabad   | HYD-45             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 46      |                  |                    | MRT/SD/Mahaboobnagar    | HYD-46             | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 47      |                  |                    | MRT/SD/Medak            | HYD-47             | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 48      |                  |                    | TRE/SD/Hyderabad        | HYD-48             | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 49      |                  |                    | Hotlines/Hyderabad      | HYD-49             | 0                      | 5            | 0          | 0                       | 0          | 0                               | 0            | 8949         |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                                 | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|---------------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                         |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 50      |                  |                    | Fire fighting & House keeping works at 400KV SS Gajwel  | HYD-50            | 0                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 11428        |                           |
| 51      |                  |                    | Fire fighting & House keeping works at 400KV SS Veltoor | HYD-51            | 0                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 11428        |                           |
| 52      |                  |                    | W&W circle office                                       | HYD-52            | 0                      | 0            | 3          | 0                       | 0          | 0                               | 0            | 4268         |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                   | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|-------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                           |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | HYDERABAD        | Metro              | 220kV SS Malkaram                         | MTR-1             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        | SE/TL&SS/ Metro           |
| 2       |                  |                    | 220kV SS Tandur                           | MTR-2             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 3       |                  |                    | 220kV SS Medchal                          | MTR-3             | 4                      | 4            | 3          | 2                       | 0          | 1                               | 0            | 25792        |                           |
| 4       |                  |                    | 220KV SS Moulali                          | MTR-4             | 4                      | 0            | 1          | 0                       | 0          | 1                               | 0            | 12208        |                           |
| 5       |                  |                    | 220kV SS Shapurnagar                      | MTR-5             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 6       |                  |                    | 132kV SS Chilalguda                       | MTR-6             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 7       |                  |                    | 132kV SS Dharmasagar                      | MTR-7             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 8       |                  |                    | 132kV SS Hussain Sagar                    | MTR-8             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 9       |                  |                    | 220KV SS Gachibowli                       | MTR-9             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 10      |                  |                    | 132kV SS Puttapahad                       | MTR-10            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 11      |                  |                    | 132kV SS Medchal                          | MTR-11            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 12      |                  |                    | 132kV SS Madhapur & Telecom-Jubilee Hills | MTR-12            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 13      |                  |                    | 132kV SS IDPL                             | MTR-13            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 14      |                  |                    | 132kV SS Parigi                           | MTR-14            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 15      |                  |                    | MRT/SD/Erragadda                          | MTR-15            | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 16      |                  |                    | TRT/Erragadda                             | MTR-16            | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 17      |                  |                    | 220kV SS Ghanpur                          | MTR-17            | 0                      | 4            | 1          | 0                       | 0          | 0                               | 0            | 8582         |                           |
| 18      |                  |                    | 132KVSS Erragadda                         | MTR-18            | 4                      | 0            | 0          | 0                       | 0          | 0                               | 1            | 10418        |                           |
| 19      |                  |                    | 132KV SS R.C.Puram                        | MTR-19            | 4                      | 0            | 0          | 0                       | 0          | 0                               | 1            | 10418        |                           |
| 1       | HYDERABAD        | Nalgonda           | 220kV SS Narketpally                      | NLG-1             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        | SE/TL&SS/ Nalgonda        |
| 2       |                  |                    | 220kV SS Bhongiri                         | NLG-2             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 3       |                  |                    | 220kV SS Chalakurthy                      | NLG-3             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 4       |                  |                    | 220kV SS Miryalaguda                      | NLG-4             | 4                      | 0            | 3          | 0                       | 0          | 0                               | 0            | 12896        |                           |
| 5       |                  |                    | 220kV SS KM Pally                         | NLG-5             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 6       |                  |                    | 132kV SS Nalgonda                         | NLG-6             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 7       |                  |                    | 132kV SS Suryapet                         | NLG-7             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 8       |                  |                    | 132kV SS Mattampally                      | NLG-8             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 9       |                  |                    | 132kV SS Wadapally                        | NLG-9             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 10      |                  |                    | 132kV SS K.M.Pally                        | NLG-10            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 11      |                  |                    | 132kV SS Ramannapeta                      | NLG-11            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 12      |                  |                    | 132kV SS Kolanpaka                        | NLG-12            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 13      |                  |                    | 132kV SS Bibinagar                        | NLG-13            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 14      |                  |                    | 132kV SS Shaligowraram                    | NLG-14            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 15      |                  |                    | 132kV SS Choutuppal                       | NLG-15            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 16      |                  |                    | 132kV SS Kodada                           | NLG-16            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 17      |                  |                    | 132kV SS Tungaturthy                      | NLG-17            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 18      |                  |                    | 132kV SS Kodandapur                       | NLG-18            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 19      |                  |                    | 132kV SS Nasarlapally                     | NLG-19            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 20      |                  |                    | 132kV SS Godakondla                       | NLG-20            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 21      |                  |                    | 132kV SS Madugulapally                    | NLG-21            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 22      |                  |                    | 132kV SS Marriguda                        | NLG-22            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 23      |                  |                    | 132kV SS Halia                            | NLG-23            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 24      |                  |                    | 132kV SS Mothkur                          | NLG-24            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 25      |                  |                    | 132 KV SS Vepala singaram                 | NLG-25            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 26      |                  |                    | 132KV Swg.Station Seetapuram              | NLG-26            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 27      |                  |                    | MRT/SD/Miryalaguda                        | NLG-27            | 0                      | 0            | 0          | 5                       | 0          | 0                               | 0            | 8949         |                           |
| 28      |                  |                    | MRT/SD/Nalgonda (N.Sagar)                 | NLG-28            | 0                      | 0            | 0          | 4                       | 0          | 0                               | 0            | 7159         |                           |
| 29      |                  |                    | W&W circle office                         | NLG-29            | 0                      | 0            | 3          | 0                       | 0          | 0                               | 0            | 4268         |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                                           | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|-------------------------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                                   |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | HYDERABAD        | TLC/Hyd            | TRE/SD/Sub-Div-1                                                  | TCH-1             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         | SE/TLC/ Hyderabad         |
| 2       |                  |                    | TRE/SD/Sub-Div-2                                                  | TCH-2             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 3       |                  |                    | ADE/Protection                                                    | TCH-3             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 4       |                  |                    | Watch & Ward staff at TLC stores Erragadda, Shapurnagar & Moulali | TCH-4             | 0                      | 0            | 43         | 0                       | 0          | 0                               | 0            | 61177        |                           |

| Sl. No. | Name of the zone   | Name of the Circle | Name of the Sub-station                              | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|--------------------|--------------------|------------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                    |                    |                                                      |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | VISAKHA<br>-PATNAM | Visakhapatnam      | 220kV SS Pendurthi                                   | VSK-1             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        | SE/TL&SS/ Visakhapatnam   |
| 2       |                    |                    | 220KV SS Gajuwaka                                    | VSK-2             | 4                      | 0            | 3          | 0                       | 0          | 1                               | 0            | 15053        |                           |
| 3       |                    |                    | 220kV SS Dairy Farm                                  | VSK-3             | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 4       |                    |                    | 220kV SS VSS                                         | VSK-4             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 5       |                    |                    | 220kV SS Garividi                                    | VSK-5             | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 6       |                    |                    | 220KV SS Tekkali                                     | VSK-6             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 7       |                    |                    | 220KV SS Brandix Apparel Park                        | VSK-7             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 8       |                    |                    | 220kV SS Parawada                                    | VSK-8             | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 9       |                    |                    | 132kV SS Anandapura                                  | VSK-9             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 10      |                    |                    | 132kV SS Araku                                       | VSK-10            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 11      |                    |                    | 132kV SS Common Point                                | VSK-11            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 12      |                    |                    | 132kV SS Kasimkota                                   | VSK-12            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 13      |                    |                    | 132kV SS Koruprolu                                   | VSK-13            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 14      |                    |                    | 132kV SS Nakkavanipalem                              | VSK-14            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 15      |                    |                    | 132kV SS Naval Wharf                                 | VSK-15            | 4                      | 4            | 0          | 0                       | 0          | 0                               | 1            | 17577        |                           |
| 16      |                    |                    | 132kV SS Payakaraopeta                               | VSK-16            | 4                      | 4            | 3          | 2                       | 0          | 0                               | 1            | 25425        |                           |
| 17      |                    |                    | 132kV SS Port                                        | VSK-17            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 18      |                    |                    | 132kV SS DGNP                                        | VSK-18            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 19      |                    |                    | 132kV SS Bobbili                                     | VSK-19            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 20      |                    |                    | 132kV SS Kothavalasa                                 | VSK-20            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 21      |                    |                    | 132kV SS TB Vara                                     | VSK-21            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 22      |                    |                    | 132kV SS Vontithadi                                  | VSK-22            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 23      |                    |                    | 132kV SS Chilakapalem                                | VSK-23            | 3                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 22901        |                           |
| 24      |                    |                    | 132kV SS Palakonda                                   | VSK-24            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 25      |                    |                    | 132kV SS Palasa                                      | VSK-25            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 26      |                    |                    | 132kV SS Parvathipuram                               | VSK-26            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 27      |                    |                    | 132kV SS Itchapuram                                  | VSK-27            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 28      |                    |                    | 132kV SS Pathapatnam                                 | VSK-28            | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 29      |                    |                    | 132 kV Ponduru RTSS                                  | VSK-29            | 0                      | 4            | 0          | 2                       | 0          | 0                               | 0            | 10739        |                           |
| 30      |                    |                    | 132 KV Silk road sugars                              | VSK-30            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 31      |                    |                    | MRT/SD/Simhachalam & Telecom                         | VSK-31            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 1            | 8215         |                           |
| 32      |                    |                    | MRT/SD/Vizianagaram                                  | VSK-32            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 33      |                    |                    | TRE/SD / Gajuwaka                                    | VSK-33            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 34      |                    |                    | 220KV SS Gangavaram Port                             | VSK-34            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 35      |                    | Kalapaka           | Watch & ward for staff quarters and Zonal office     | VSK-35            | 0                      | 0            | 13         | 0                       | 0          | 0                               | 0            | 18495        |                           |
| 36      |                    |                    | Staff quarters assistance for cleaning & Maintenance | VSK-36            | 0                      | 2            | 3          | 0                       | 0          | 0                               | 0            | 7848         |                           |
| 37      |                    |                    | MRT/SD/Kalapaka                                      | VSK-37            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 38      |                    |                    | 400kV SS Kalpaka (Shift)                             | VSK-38            | 4                      | 3            | 9          | 0                       | 0          | 0                               | 0            | 26802        |                           |
| 39      |                    |                    | 400kV SS Kalpaka (Maint., W&W)                       | VSK-39            | 4                      | 9            | 6          | 0                       | 0          | 0                               | 0            | 33273        |                           |
| 40      |                    |                    | Fire tender & Mulsifier system                       | VSK-40            | 4                      | 6            | 0          | 0                       | 0          | 0                               | 0            | 19367        |                           |

| Sl. No. | Name of the zone | Name of the Circle  | Name of the Sub-station               | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|---------------------|---------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                     |                                       |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | VISAKHA-PATNAM   | EE/TLC/ Rajahmundry | Watch and Wad at TLC stores , Bommuru | TCV-1             | 0                      | 8            | 16         | 0                       | 0          | 0                               | 0            | 37082        | SE/TLC/ Visakhapatnam     |
| 2       |                  | TLC/ Visakhapatnam  | TLC Stores Gajuwaka                   | TCV-2             | 0                      | 0            | 7          | 0                       | 0          | 0                               | 0            | 9959         |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                                     | Specificati on No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|-------------------------------------------------------------|--------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                             |                    | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | VISAKHA -PATNAM  | Vemagiri           | 400KV SS Vemagiri                                           | RJY-1              | 8                      | 8            | 7          | 8                       | 4          | 2                               | 0            | 65858        | SE/TL&SS/<br>Rajahmundry  |
| 2       |                  |                    | Maintenance assistance of Air Conditioning & fire fighting. | RJY-2              | 0                      | 6            | 9          | 0                       | 0          | 0                               | 0            | 23544        |                           |
| 3       |                  | Rajahmundry        | 220kV SS Bommuru & circle office                            | RJY-3              | 4                      | 4            | 3          | 2                       | 4          | 1                               | 0            | 31483        |                           |
| 4       |                  |                    | 220kV SS Kakinada                                           | RJY-4              | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 5       |                  |                    | 220kV SS Bhimadole                                          | RJY-5              | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 6       |                  |                    | 220kV SS Nidadavole                                         | RJY-6              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 7       |                  |                    | 220kV Samarlakota Sw.Stn.                                   | RJY-7              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 8       |                  |                    | 220KV SS Bhimavaram                                         | RJY-8              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 9       |                  |                    | 220KV SS Kamavarapukota                                     | RJY-9              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 10      |                  |                    | 220kV SS Rampachodavaram                                    | RJY-10             | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 11      |                  |                    | 132kV SS Bhimavaram                                         | RJY-11             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 12      |                  |                    | 132kV SS Malliapeta                                         | RJY-12             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 13      |                  |                    | 132kV SS Amalapuram                                         | RJY-13             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 14      |                  |                    | 132kV SS Rajole                                             | RJY-14             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 15      |                  |                    | 132kV SS Peddapuram                                         | RJY-15             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 16      |                  |                    | 132kV SS Parthipadu                                         | RJY-16             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 17      |                  |                    | 132kV SS Ramachandrapuram                                   | RJY-17             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 18      |                  |                    | 132kV SS Kovvuru                                            | RJY-18             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 19      |                  |                    | 132kV SS Nidadavole                                         | RJY-19             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 20      |                  |                    | 132kV SS Tanuku                                             | RJY-20             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 21      |                  |                    | 132kV SS Narasapuram                                        | RJY-21             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 22      |                  |                    | 132kV SS Pedatadepalli                                      | RJY-22             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 23      |                  |                    | 132kV SS Jangareddygudem                                    | RJY-23             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 24      |                  |                    | 132kV SS Kamavarapukota                                     | RJY-24             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 25      |                  |                    | 132kV SS Eluru                                              | RJY-25             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 26      |                  |                    | 132kV SS Nallajarla                                         | RJY-26             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 27      |                  |                    | 132kV SS Chintalapudi                                       | RJY-27             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 1            | 26848        |                           |
| 28      |                  |                    | 132kV SS Saggonda                                           | RJY-28             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 29      |                  |                    | HVDC Stage - I&II                                           | RJY-29             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 30      |                  |                    | 132KV SS Pedavegi                                           | RJY-30             | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 31      |                  |                    | 132KV SS Rajanagarm                                         | RJY-31             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 32      |                  |                    | TRE/SD/Rajahmundry                                          | RJY-32             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 33      |                  |                    | MRT/SD/Rajahmundry                                          | RJY-33             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 34      |                  |                    | MRT/SD Bommuru                                              | RJY-34             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 35      |                  |                    | MRT/SD Pedatadepalli                                        | RJY-35             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |

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|---------|------------------|--------------------|-------------------------|--------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                         |                    | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | VIJAYA - WADA    | Nellore            | 400KV SS Manabolu       | NLR-1              | 4                      | 15           | 15         | 0                       | 0          | 1                               | 0            | 58974        | SE/TL&SS/ Nellore         |
| 2       |                  |                    | 220kv SS Markapur       | NLR-2              | 4                      | 4            | 3          | 1                       | 1          | 1                               | 0            | 25425        |                           |
| 3       |                  |                    | 220kv SS Nellore        | NLR-3              | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 4       |                  |                    | 220kv SS Ongole         | NLR-4              | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 5       |                  |                    | 220kv SS Podili         | NLR-5              | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 6       |                  |                    | 220kv SS Sullurpet      | NLR-6              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 7       |                  |                    | 132kv SS Alluru         | NLR-7              | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 8       |                  |                    | 132kv SS Atmakur        | NLR-8              | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 9       |                  |                    | 132kv SS Chendodu       | NLR-9              | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 10      |                  |                    | 132kv SS Chirala        | NLR-10             | 4                      | 4            | 3          | 0                       | 1          | 0                               | 0            | 21478        |                           |
| 11      |                  |                    | 132kv SS Cumbum         | NLR-11             | 4                      | 4            | 3          | 0                       | 1          | 0                               | 1            | 23268        |                           |
| 12      |                  |                    | 132kv SS Giddaluru      | NLR-12             | 4                      | 4            | 3          | 0                       | 1          | 0                               | 0            | 21478        |                           |
| 13      |                  |                    | 132kv SS Gudur          | NLR-13             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 14      |                  |                    | 132kv SS Kandukur       | NLR-14             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 15      |                  |                    | 132kv SS Kanigiri       | NLR-15             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 16      |                  |                    | 132kv SS Kavali         | NLR-16             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 17      |                  |                    | 132kv SS Medarametla    | NLR-17             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 18      |                  |                    | 132kv SS N.V.Gardens    | NLR-18             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 19      |                  |                    | 132kv SS Ongole         | NLR-19             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 20      |                  |                    | 132kv SS Parchur        | NLR-20             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 21      |                  |                    | 132kv SS Sriharikota    | NLR-21             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 22      |                  |                    | 132kv SS Udayagiri      | NLR-22             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 23      |                  |                    | 132kv SS Venkatagiri    | NLR-23             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 24      |                  |                    | 132kv SS Y.G.Palem      | NLR-24             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 25      |                  |                    | 132kv SS Brahmadevam    | NLR-25             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 26      |                  |                    | 132kv SS Adurupalli     | NLR-26             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 27      |                  |                    | 132kv SS Naidupet       | NLR-27             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 28      |                  |                    | 132 KV SS Dornala       | NLR-28             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 29      |                  |                    | 132 KV SS Inkollu       | NLR-29             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 30      |                  |                    | 132 KV SS, Martur       | NLR-30             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 31      |                  |                    | 132KV SS NTS            | NLR-31             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 32      |                  |                    | TRE/SD/Nellore          | NLR-32             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 33      |                  |                    | MRT/SD / Nellore        | NLR-33             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 34      |                  |                    | MRT/SD / Ongole         | NLR-34             | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |

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|---------|------------------|--------------------|------------------------------------------------------|--------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                      |                    | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | VIJAYA - WADA    | Vijayawada         | 220kV SS Gunadala                                    | VJA-1              | 3                      | 4            | 3          | 2                       | 2          | 0                               | 0            | 24324        | SE/TL&SS/ Vijayawada      |
| 2       |                  |                    | 220kV SS Kondapalli                                  | VJA-2              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 3       |                  |                    | 220kV SS Nunna                                       | VJA-3              | 2                      | 4            | 3          | 2                       | 0          | 0                               | 0            | 19321        |                           |
| 4       |                  |                    | 220kV SS Chilakallu                                  | VJA-4              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 5       |                  |                    | 220kV SS Gudiwada                                    | VJA-5              | 4                      | 4            | 3          | 2                       | 1          | 1                               | 0            | 27215        |                           |
| 6       |                  |                    | 220kV SS Tadikonda                                   | VJA-6              | 4                      | 4            | 3          | 2                       | 1          | 0                               | 0            | 25058        |                           |
| 7       |                  |                    | 220 KV SS Rentachinthala                             | VJA-7              | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 8       |                  |                    | 132kV Vijayawada                                     | VJA-8              | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 9       |                  |                    | 132kV Ganguru                                        | VJA-9              | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 10      |                  |                    | 132kV Nuzividu                                       | VJA-10             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 11      |                  |                    | 132kV Kanumolu                                       | VJA-11             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 12      |                  |                    | 132kV Pamarru                                        | VJA-12             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 13      |                  |                    | 132kV Machilipatnam                                  | VJA-13             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 14      |                  |                    | 132kV Nandigama                                      | VJA-14             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 15      |                  |                    | 132kV Tadepalli                                      | VJA-15             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 16      |                  |                    | 132kV Guntur                                         | VJA-16             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 17      |                  |                    | 132kV Tenali                                         | VJA-17             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 18      |                  |                    | 132kV Repalle                                        | VJA-18             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 19      |                  |                    | 132kV Bapatla                                        | VJA-19             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 20      |                  |                    | 132kV Macherla                                       | VJA-20             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 21      |                  |                    | 132kV Chilakaluripet                                 | VJA-21             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 1            | 25058        |                           |
| 22      |                  |                    | 132kV Vinukonda                                      | VJA-22             | 4                      | 4            | 3          | 1                       | 1          | 1                               | 0            | 25425        |                           |
| 23      |                  |                    | 132kV Piduguralla                                    | VJA-23             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 24      |                  |                    | 220kV Narasaraopet                                   | VJA-24             | 4                      | 4            | 3          | 1                       | 1          | 1                               | 0            | 25425        |                           |
| 25      |                  |                    | 132KV SS Nallapadu                                   | VJA-25             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        |                           |
| 26      |                  |                    | 132kV Kambhampadu                                    | VJA-26             | 4                      | 4            | 3          | 1                       | 1          | 0                               | 0            | 23268        |                           |
| 27      |                  |                    | 132 KV SS Marripalem                                 | VJA-27             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 28      |                  |                    | MRT/SD/Vijayawada                                    | VJA-28             | 0                      | 0            | 0          | 3                       | 1          | 0                               | 0            | 6792         |                           |
| 29      |                  |                    | MRT/SD / Guntur & DE/TL&SS/Guntur                    | VJA-29             | 1                      | 0            | 0          | 3                       | 2          | 0                               | 0            | 10372        |                           |
| 30      |                  |                    | DE/TL&SS/Gunadala, Hot Lines, Gunadala colony & SLDC | VJA-30             | 5                      | 1            | 10         | 0                       | 0          | 0                               | 0            | 26802        |                           |
| 31      |                  |                    | 220kV SS Tallapally                                  | VJA-31             | 4                      | 4            | 3          | 1                       | 0          | 1                               | 0            | 24003        |                           |
| 32      |                  |                    | 132kV SS Avanigadda                                  | VJA-32             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |

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|---------|------------------|--------------------|-------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                         |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | VIJAYA - WADA    | TLC/VJA            | TRE/SD/Vijayawada       | TLV-1             | 1                      | 0            | 0          | 2                       | 3          | 0                               | 0            | 10005        | SE/TLC/Vijayawada         |
| 2       |                  |                    | MRT/SD /Vijayawda       | TLV-2             | 1                      | 0            | 0          | 3                       | 1          | 0                               | 0            | 8949         |                           |

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|---------|------------------|--------------------|-----------------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                           |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | WARANGAL         | Karimnagar         | 220kV SS Jagityal                                         | KRR-1             | 0                      | 4            | 3          | 1                       | 0          | 1                               | 0            | 15374        | SE/TL&SS/ Karimnagar      |
| 2       |                  |                    | 220kV SS Durshed                                          | KRR-2             | 0                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 13217        |                           |
| 3       |                  |                    | 220kV SS RSS Ramagundam                                   | KRR-3             | 3                      | 3            | 0          | 0                       | 0          | 0                               | 0            | 11841        |                           |
| 4       |                  |                    | 132kV SS Dharmapuri                                       | KRR-4             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 5       |                  |                    | 132kV SS Jammikunta                                       | KRR-5             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 6       |                  |                    | 132kV SS Jagityal                                         | KRR-6             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 7       |                  |                    | 132kV SS Korutla                                          | KRR-7             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 8       |                  |                    | 132kV SS Ellanthakunta                                    | KRR-8             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 9       |                  |                    | 132kV SS Huzurabad                                        | KRR-9             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 10      |                  |                    | 132kV SS Sircilla                                         | KRR-10            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 11      |                  |                    | 132kV SS Mallaram                                         | KRR-11            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 12      |                  |                    | 132kV SS Pudur                                            | KRR-12            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 13      |                  |                    | 132kV SS Manthani                                         | KRR-13            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 14      |                  |                    | 132kV SS Suglampally                                      | KRR-14            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 15      |                  |                    | 132kV SS Yellareddypet                                    | KRR-15            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 16      |                  |                    | 132kV SS Dharmaram                                        | KRR-16            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 17      |                  |                    | 132kV SS Shanigaram                                       | KRR-17            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 18      |                  |                    | 132kV SS Manakondur                                       | KRR-18            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 19      |                  |                    | 132kV SS Karimnagar & Circle offices of TLC & TL&SS works | KRR-19            | 4                      | 1            | 3          | 2                       | 4          | 0                               | 0            | 23957        |                           |
| 20      |                  |                    | 132kV SS Godur                                            | KRR-20            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 21      |                  |                    | 132kV SS Husnabad                                         | KRR-21            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 22      |                  |                    | 132/33KV SS Kataram                                       | KRR-22            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 23      |                  |                    | 132/33KV SS RTS -B                                        | KRR-23            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 24      |                  |                    | MRT/SD/Ramagundam & (R.Gundam-Telecom)                    | KRR-24            | 1                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 8582         |                           |
| 25      |                  |                    | MRT&TRE/SD/ Karimnagar                                    | KRR-25            | 0                      | 0            | 0          | 4                       | 2          | 0                               | 0            | 10005        |                           |
| 26      |                  |                    | Hot lines/Ramagundam                                      | KRR-26            | 0                      | 3            | 0          | 0                       | 0          | 0                               | 0            | 5370         |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                                                                      | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|----------------------------------------------------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                                                              |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | WARANGAL         | Warangal           | 220kV SS Waddekothapally                                                                     | WGL-1             | 4                      | 4            | 3          | 1                       | 0          | 1                               | 0            | 24003        | SE/TL&SS/ Warangal        |
| 2       |                  |                    | 220kV SS SRPM                                                                                | WGL-2             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 3       |                  |                    | 220kV SS Budidampad                                                                          | WGL-3             | 4                      | 4            | 3          | 1                       | 0          | 1                               | 0            | 24003        |                           |
| 4       |                  |                    | 220kV SS Manuguru                                                                            | WGL-4             | 2                      | 4            | 3          | 1                       | 0          | 1                               | 0            | 19689        |                           |
| 5       |                  |                    | 220 KV SS Pulkurthy (GLIS)                                                                   | WGL-5             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 6       |                  |                    | 220KVSS Bheemghanpur (GLIS)                                                                  | WGL-6             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 7       |                  |                    | 220 KV SS Gangaram (GLIS)                                                                    | WGL-7             | 4                      | 4            | 3          | 0                       | 0          | 1                               | 0            | 22213        |                           |
| 8       |                  |                    | 220KV SS Nagaram swg.station                                                                 | WGL-8             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 9       |                  |                    | 132kV SS Waddepally                                                                          | WGL-9             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 10      |                  |                    | 132kV SS Wardhannapet                                                                        | WGL-10            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 11      |                  |                    | 132kV SS R.G.pally                                                                           | WGL-11            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 12      |                  |                    | 132kV SS Ghanpur                                                                             | WGL-12            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 13      |                  |                    | 132kV SS Mustyal                                                                             | WGL-13            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 14      |                  |                    | 132kV SS Kamalapur                                                                           | WGL-14            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 15      |                  |                    | 132kV SS Chelpur                                                                             | WGL-15            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 16      |                  |                    | 132kV SS Nekkonda                                                                            | WGL-16            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 17      |                  |                    | 132kV SS Ayyagaripalli                                                                       | WGL-17            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 18      |                  |                    | 132kV SS Khammam                                                                             | WGL-18            | 0                      | 4            | 1          | 1                       | 0          | 0                               | 1            | 12162        |                           |
| 19      |                  |                    | 132kV SS Penuballi                                                                           | WGL-19            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 20      |                  |                    | 132kV SS Kusumanchi                                                                          | WGL-20            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 21      |                  |                    | 132kV SS Bhadrachalam                                                                        | WGL-21            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 22      |                  |                    | 132kV SS Madhira                                                                             | WGL-22            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 23      |                  |                    | 132kV SS Ashwaraopet                                                                         | WGL-23            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 24      |                  |                    | 132kV SS Yellandu                                                                            | WGL-24            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 25      |                  |                    | 132kV SS Mulugu                                                                              | WGL-25            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 26      |                  |                    | 132 KV SS Narsampet                                                                          | WGL-26            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 27      |                  |                    | 132 KV SS Jangoan                                                                            | WGL-27            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 28      |                  |                    | 132 KV SS Dharmasagar (GLIS)                                                                 | WGL-28            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 29      |                  |                    | 132KV SS Peddanagaram                                                                        | WGL-29            | 0                      | 2            | 3          | 0                       | 0          | 0                               | 0            | 7848         |                           |
| 30      |                  |                    | 132KV SS Kothagudem(RTSwg.S)                                                                 | WGL-30            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 31      |                  |                    | 132 KV SS Chityal                                                                            | WGL-31            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 32      |                  |                    | 132 KV SS Chennur                                                                            | WGL-32            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 33      |                  |                    | TRE/SD/Warangal &220kV SS Warangal(shift)                                                    | WGL-33            | 3                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 12896        |                           |
| 34      |                  |                    | MRT/SD/Warangal                                                                              | WGL-34            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 35      |                  |                    | MRT/SD/Khammam                                                                               | WGL-35            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 36      |                  |                    | DE/TL&SS/Warangal                                                                            | WGL-36            | 5                      | 0            | 0          | 0                       | 0          | 0                               | 0            | 10785        |                           |
| 37      |                  |                    | DE/TL&SS/ Waddekothapalli                                                                    | WGL-37            | 0                      | 2            | 3          | 0                       | 0          | 0                               | 0            | 7848         |                           |
| 38      |                  |                    | Watch & Ward by the security guards in the premises of Warangal SS and various TL&SS Offices | WGL-38            | 0                      | 0            | 6          | 0                       | 0          | 0                               | 0            | 8536         |                           |
| 39      |                  |                    | ALDC/Warangal                                                                                | WGL-39            | 4                      | 0            | 4          | 1                       | 0          | 0                               | 0            | 16109        |                           |

| Sl. No. | Name of the zone | Name of the Circle | Name of the Sub-station                                          | Specification No. | Labour Pattern (Shift) |              |            | Labour pattern (Maint.) |            | Labour pattern for Telecom wing |              | Bid Security | Bid Security in favour of |
|---------|------------------|--------------------|------------------------------------------------------------------|-------------------|------------------------|--------------|------------|-------------------------|------------|---------------------------------|--------------|--------------|---------------------------|
|         |                  |                    |                                                                  |                   | Skilled                | Semi-skilled | Un-skilled | Semi-skilled            | Un-skilled | Skilled                         | Semi-skilled |              |                           |
| 1       | WARANGAL         | Nizamabad          | 400KV SS Dichpally                                               | NZD-1             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 1            | 21846        | SE/TL&SS/ Nizamabad       |
| 2       |                  |                    | Fire fighting & maintenance of plants & lawns at 400kv Dichpally | NZD-2             | 0                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 11428        |                           |
| 3       |                  |                    | 220kv SS Bheemgal                                                | NZD-3             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 4       |                  |                    | 220KV SS Dichpally                                               | NZD-4             | 0                      | 3            | 3          | 0                       | 0          | 0                               | 0            | 9638         |                           |
| 5       |                  |                    | 220KV SS Nirmal                                                  | NZD-5             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 6       |                  |                    | 220 KV SS Kamareddy                                              | NZD-6             | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 7       |                  |                    | 132kv SS Kamareddy                                               | NZD-7             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 8       |                  |                    | 132kv SS Armoor                                                  | NZD-8             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 9       |                  |                    | 132kv SS Renjal                                                  | NZD-9             | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 10      |                  |                    | 132kv SS Pochampad                                               | NZD-10            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 11      |                  |                    | 132kv SS Jakora                                                  | NZD-11            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 12      |                  |                    | 132kv SS Nandipet                                                | NZD-12            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 13      |                  |                    | 132kv SS Nizamsagar                                              | NZD-13            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 14      |                  |                    | 132kv SS Domakonda                                               | NZD-14            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 15      |                  |                    | 132kv SS Bichkunda                                               | NZD-15            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 16      |                  |                    | 132kv SS Adilabad                                                | NZD-16            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 17      |                  |                    | 132kv SS Bhainsa                                                 | NZD-17            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 18      |                  |                    | 132kv SS S.K.Nagar                                               | NZD-18            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 19      |                  |                    | 132KVSS Luxettipet                                               | NZD-19            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 20      |                  |                    | 132KVSS Bhodan                                                   | NZD-20            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 21      |                  |                    | 132KV SS Morthad                                                 | NZD-21            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 22      |                  |                    | 132KV SS Sirikonda                                               | NZD-22            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 23      |                  |                    | 132KV SS Lingampet                                               | NZD-23            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 24      |                  |                    | 132KV SS Banswada                                                | NZD-24            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 0            | 21846        |                           |
| 25      |                  |                    | 132KV SS Nizamabad                                               | NZD-25            | 0                      | 2            | 3          | 0                       | 0          | 0                               | 0            | 7848         |                           |
| 26      |                  |                    | 132KV SS Itchoda                                                 | NZD-26            | 4                      | 4            | 3          | 1                       | 0          | 0                               | 1            | 23635        |                           |
| 27      |                  |                    | 132KV SS Manchiryal                                              | NZD-27            | 4                      | 2            | 3          | 0                       | 0          | 0                               | 0            | 16476        |                           |
| 28      |                  |                    | 132KV SS Bellampally                                             | NZD-28            | 4                      | 1            | 3          | 0                       | 0          | 0                               | 0            | 14686        |                           |
| 29      |                  |                    | 132 KV SS Kosli (ALIS)                                           | NZD-29            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 30      |                  |                    | 132 KV SS Begepalli (ALIS)                                       | NZD-30            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 31      |                  |                    | 132 KV SS Jankampet (ALIS)                                       | NZD-31            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 32      |                  |                    | 132 KV SS CH. Kondur (GLIS)                                      | NZD-32            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 33      |                  |                    | 132 KV SS Dharmora (GLIS)                                        | NZD-33            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 34      |                  |                    | 132 KV SS Reddypet                                               | NZD-34            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 35      |                  |                    | 132 KV SS Bikanoor                                               | NZD-35            | 4                      | 4            | 3          | 0                       | 0          | 0                               | 0            | 20056        |                           |
| 36      |                  |                    | MRT/SD/Nirmal & (Bellampally-Telecom)                            | NZD-36            | 1                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 8582         |                           |
| 37      |                  |                    | TRE/SD/Nizamabad                                                 | NZD-37            | 0                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 6425         |                           |
| 38      |                  |                    | MRT/SD/Nizamabad & (Ditchpally-Telecom)                          | NZD-38            | 2                      | 0            | 0          | 2                       | 2          | 0                               | 0            | 10739        |                           |