



NORTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED  
CORPORATE OFFICE, VIDYUTH BHAVAN,  
# 2-5-31/2, Nakkalagutta, Hanamkonda, Warangal – 506 001.

**Tender Document**

**Ex.Tender Notice No. 03 / 2015 -16**

**Name of the work:** Proposal for shifting of 33KV/11KV/LT lines and DTRs due to road widening works at various sections in Khammam Division of Operation circle Khammam.

**Tender Specification No.     / 2015 -16**

***Issued to:***

M/s. \_\_\_\_\_.

\_\_\_\_\_.

\_\_\_\_\_.

**Cost of the Tender schedule: Rs.4,580-00**

**Schedule cost details : DD.No....., Dt.....**

**Bank.....**

**Chief General Manager  
Operation/NPDCL/Warangal**

**(The Specification contains (36) pages including the cover page)**

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NORTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED  
CORPORATE OFFICE, VIDYUTH BHAVAN,  
# 2-5-31/2, Nakkalagutta, Hanamkonda, Warangal – 506 001.

**Tender Notice No. 03/ 2015-16 of CGM(OP)**

**NOTICE INVITING SHORT TENDERS**

On behalf of Northern Power Distribution Company of Telangana Ltd., the Chief General Manager (Operation)/TSNPDCL/Warangal is inviting sealed ex.tenders from the intending bidders registered with TSNPDCL, in prescribed bid format for the following work to be received on or before dt:**28-05-2015 up to 13.00 Hrs.** The tender schedule of work along with other information will be available in the office up to **13.00 Hrs on 28.05.2015**, and can be obtained on payment schedule cost of Rs.**4,580/-** (including VAT) during the office hours on all working days beginning from **19.05.2015**. The cost of the tender schedule should be in the form of crossed Demand Draft drawn in favour of “Pay Officer/TSNPDCL/Warangal” payable at Warangal.

The detailed information will be available in the website: [www.tsnpdcl.in](http://www.tsnpdcl.in)  
Specification wise details are as follows

<i>Sl. No</i>	<i>Specification No</i>	<i>Name of the section</i>	<i>Estimated Contract Value</i>	<i>Bid Security amount in Rs</i>	<i>Cost of tender specification (Including VAT)</i>
1	1/2015-16	Town-I	22,54,738.00	45,000.00	4580.00
2	2/2015-16	Town-II	93,79,453.00	1,88,000.00	4580.00
3	3/2015-16	Town-II	26,61,003.00	53,000.00	4580.00
4	4/2015-16	Town-III	42,13,695.00	84,000.00	4580.00
5	5/2015-16	Town-III	34,48,961.00	69,000.00	4580.00
6	6/2015-16	Town-III	24,59,394.00	49,000.00	4580.00
7	7/2015-16	Urban	2,03,14,610.00	4,06,000.00	4580.00

**Chief General Manager  
Operation/ NPDCL/Warangal**

## Summery Sheet

- 1 Tender Specification No. :
- 
- 2 Name of the work : Proposal for shifting of 33KV/11KV/LT lines and DTRs due to road widening works at various sections in Khammam Division of Operation circle Khammam.
- 3 Name & Address of Agency :
- 4 Approximate value of the work & Bid security to be paid. :
- 5 Cost of Tender schedule : **Rs. 4580.00** (including 14.5% VAT, Non-refundable) drawn in favour of **Pay Officer/ TSNPDCL/Warangal.**
- 6 Completion Period : 6 Months.
- 7 Sale of Ex.Tenders : From: **19-05-2015 to 28-05-2015.**
- 8 Last date of receipt of tenders : Up to **13:00 Hrs.** on **28-05-2015.**
- 9 Date of Opening of Tenders : From **15:30 hrs.** on **28-05-2015**
- 10 The Tender Specification will be available in our websites : [www.tsnpdcl.in](http://www.tsnpdcl.in)

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**FOR THE OFFICE USE ONLY**

- 1) Date of Opening of tender : \_\_\_\_\_
- 2) Whether received in proper form : \_\_\_\_\_
- 3) Whether the Bid Security paid Rs : \_\_\_\_\_
- 4) If paid: DD No. \_\_\_\_\_ . Date: \_\_\_\_\_.
- Name of the bank and branch \_\_\_\_\_
- 5) No. of attested corrections : \_\_\_\_\_
- 6) No. of unattested corrections : \_\_\_\_\_
- 7) Opened by /Signature : \_\_\_\_\_
- (Name, Designation & Stamp)

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**



**NORTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED  
CORPORATE OFFICE, VIDYUTH BHAVAN,  
# 2-5-31/2, Nakkalagutta, Hanamkonda, Warangal – 506 001.**

**TENDER FORM (FIRST SHEET)**

**TENDER NOTICE No.03 /2015-16 of CGM(OP)/NPDCL/WGL.**

**Name of the Work:-** Proposal for shifting of 33KV/11KV/LT lines and DTRs due to road widening works at various sections in Khammam Division of Operation circle Khammam.

**To**

The Chief General Manager  
Operation, TSNPDCL,  
Warangal.

1. I/We, ..... have read the all the conditions to tender, attached herewith and hereby agree to abide by said conditions. I/We also agree to keep this tender open for acceptance for a period of **60** (Sixty) days, from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my Bid Security Amount. I/We offer to do the work at the rates quoted in the attached schedule with plus or minus tender percentage and hereby bind myself /ourselves to complete the work in all respects within the period prescribed as mentioned in the work order/purchase order with respect to work assigned.

2. I/We also hereby agree to abide by the General Conditions of contract as per APDSS, corrected up to date and carry out the work according to special conditions of contract and specifications laid down by NPDCL, in the annexed special conditions/specifications.

3. A sum of Rs..... (In words Rupees.....) is herewith enclosed as Bid Security vide DD No. .... **Dt. -05-2015.**

The total value of Bid Security shall stand forfeited without prejudice to any other right or remedies in case my/our tender is accepted and if

- a) I/We do not execute the contract documents within 15 days after receipt of Notice issued by NPDCL that such documents are ready and
- b) I/We do not commence the work within 15 days after receipt of orders to that effect.

4. Any notice required to be served on me/us is hereunder shall be sufficiently served on me/us if delivered to me/us by post (Registered/Ordinary) or left at my/our address given therein, such notice shall, if sent by post be demand to have been served on my/us at the time wherein due course of post it would be delivered at the address to which it is sent. I/we fully understand that the written agreement to be

entered in to between me/us and the NPDCL shall be foundation of the right of the both parties and contract shall not be deemed to be completed until the agreement has first been signed by me /us and by proper officer or authorized to enter.

5. Until a formal agreement is prepared and executed acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.

Full postal Address of the Tenderer

Name of the firm:

Names of the partners:

Address: H.No.

Name of the city:

District:

Pin:

Authorized Signatory:

Signature of Tenderer:

## **INSTRUCTIONS TO TENDERER**

The works covered under this specification are to be completed strictly in accordance with the programme given. Only those who have experience in the field of electrical line works and are having the necessary financial resources, equipments, tools and adequate organization should quote for the work. The tenderer should furnish the details of financial turn over, previous experience along with their tender.

The **eligibility criteria** of tenderer:

1. The bidder should produce experience of similar works executed during last 5 years for any similar occasions.
  2. The bidder shall have achieved a minimum annual financial turnover of 100% of the tender value during any one year of the last five years.
  3. The bidder should have valid A-Grade license issued by Electrical Inspector and the bidder should produce valid Firm Registration under class-I category in TSNPDCL.
  4. The bidder should produce valid Service Tax registration number issued by Labour department and valid TIN.
  5. The bidder should produce valid EPF registration and the bidder should produce valid PAN.
  6. Exemption of bid security amount cannot be considered for this works.
  7. The bidder should have an experience of erecting of M+Type towers to a minimum of 25Nos towers in each category.
  8. The bidder should have work experience of shifting of 33KV/11KV/LT line at least 50% of tendered quantities.
- 1 Tender covers should have following superscription on the tender cover in addition to the Name & Address of tenderer.

I. Tender Notice No. : CGM(OP)/NPDCL/No. **03** /2015-16

II. Tender Specification Number : Tender Spec. No. \_\_\_\_\_ / 2015-16

III. Name of the work :

\_\_\_\_\_

\_\_\_\_\_

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IV. Cost of Tender schedule in Rs: D.D. No. \_\_\_\_\_ & Date: \_\_\_\_\_

V. Bid Security Amount in Rs : DD No. \_\_\_\_\_ & Date: \_\_\_\_\_

VI. NPDCL Registration No. & Validity:

VII. Terms and conditions accepted : YES / NO.

**Signature of Bidder / Tenderer**

**Chief General Manager  
Operation/ NPDCL/Warangal**

- 2 The Sealed tenders without super scribing the above details on the cover will be rejected and Un-opened. Tender forms are not transferable.
- 3 Conditional tenders are liable to be rejected straight way. The Chief General Manager/Operation/TSNPDCL/Warangal reserves the right to reject any or all the tenders without assigning any reasons therefore.
- 4 The cost of Tender schedule at (Rs. 4000-00+ VAT Rs.580-00 = Rs.4580-00) each in the form of DD, drawn in favour of Pay Officer/NPDCL/Warangal in any Schedule Bank.
- 5 Sealed tenders will be received for the above works by DE/O&M/Corporate Office/NPDCL/Warangal on behalf of CGM/OP/NPDCL/WGL at Corporate Office, Warangal up to **1:00 PM on 28.05.2015** and they will be collected & opened on the same day evening at **3:30PM** by tender opening Officers, in the presence of Contractors or their authorized representatives.
- 6 The sealed tenders received after due date and time will be summarily rejected and returned without opening them.
- 7 Tenders must be submitted in sealed covers in prescribed filled formats along with the attested Xerox copies of the required certificates and should be addressed to the Chief General Manager/Operation/Warangal with the above stated superscription otherwise they will be rejected without any consideration.
- 8 Bid Security: - 2% of estimated value, shown against the above work, should be paid as bid security. The tender not accompanied by demand draft, (equivalent to the value of bid security) shall be rejected. Cheques will not be admitted towards Bid Security under any circumstances.
- 9 The Bid Security Deposit will be refunded to unsuccessful tenderers on application, after finalization of tender. In case of the successful tenderer, it will be adjusted in security deposit which will not carry any interest.
- 10 Tender, once made and which is under consideration whether it is opened or un-opened, will not be allowed to withdraw.
- 11 The Contractor/agency whose tender is under consideration for awarding the work, shall attend the O/o. CGM/OP/NPDCL/Warangal on or before the date specified by written intimation to him. If the Contractor fails to attend the office he will lose the opportunity and the next lowest tenderer will be negotiated.
- 12 If the date fixed for receiving & opening the tenders, happened to be a holiday or if any inconvenience happened the date will be shifted to next working day.
- 13 The tenderers or their authorized representatives are expected to be present at the time of opening the tender.
- 14 If at least 3nos. eligible tenders are not appeared, it will not be opened and the date of opening of tender will be postponed for at least one week for inviting more tenders for particular works. If no more tenders are received even after postponement, again the date will be postponed second time. On the date, which the tenders will be postponed on second time, the earlier received tenders will be opened without expecting further tenders. However the Chief General Manager/Operation/NPDCL/Warangal reserves the right to reject or to negotiate with the tenderers if they quoted un-permissible rates.

***Signature of Bidder /Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**



- 15 Normally, the tender received will be finalized within a period of **60** days from the Date of opening of tenders. Whether the tenders opened or unopened the decision regarding disposal of tenders will be taken at any time within the said period.
- 16 When a tender is to be accepted, the tenderer whose tender is under consideration shall attend office of the Chief General Manager/Operation/TSNPDCL/Warangal on the date fixed by Written intimation to him. He/She shall forth with upon intimation being given to him/her by the Chief General Manager/Operation/TSNPDCL/Warangal of acceptance of his/her tender make a security deposit of the amount equal to five percent of the value of his tender, Less Bid Security paid, in the form of a crossed demand draft in favor "Pay officer, NPDCL, Warangal and sign an agreement in the proper departmental form for due fulfillment of the contract. This security deposit together with the Bid security and the amount with held according to the clause 68 of the standard preliminary specification of APDSS shall be retained as security for due fulfillment of this contract and such deposit will not bear interest. Failure to attend, on the date fixed by Chief General Manager/Operation/TSNPDCL/Warangal in the written intimation for entering into the required agreement or to make the security deposit defined in this paragraph shall entitle forfeiture of the Bid security. The written agreement is to be entered in between the contractor and NPDCL, the cost of the stamp paper (Rs 100/-) on which the agreement is to be entered into shall be, to the account of the contractors.
- 17 When a successful tenderer does not turn-up for concluding agreement within specified time intimated, the Bid security paid by him / her will be forfeited and next lowest tenderer will be negotiated.
- 18 The rate should be written legibly both in words and figures and units in words for each item of schedule.
- 19 The tenderer should work out his own rates, without reference being made to the NPDCL estimated rates or any department of state / central government, current schedule of rates.
- 20 Tenderers shall specify their previous experiences with similar works and mention the details of works carried out separately.
- 21 The Tenderers who are having bad performance record previously should not be entertained. Hence they need not participate in tenders.
- 22 Tenders containing absurdly high or absurdly low rates are liable for rejection.
- 23 Tenderers should know that the rates, which are to be quoted by them, should be inclusive of Service tax @ 6.18 % which is not reimbursable. NPDCL portion @ 6.18% will be included in bill & deducted.
- 24 The Chief General Manager/ Operation/NPDCL/ Warangal reserve the right to reject any or all the tenders Without assigning any reasons thereof.
- 25 The tenderer should Sign his/her Signature at the bottom of every page of tender document.
- 26 The Officer will not responsible of any kind of postal delay or non receipt of tenders sent through post, Telegraphic offers will not be accepted.
- 27 The disputes arising out of this contact if any have to be settled in the court of Warangal only.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**

- 28 Any hindrance or stoppage of work due to non-availability of labour by the tenderer, the tenderer will be held responsible and liable for levy of penalty at the discretion of competent authority.
- 29 Retention amounts will be deducted from each and every running part bill of the tenderer and the same will be released at the time of final bill.
- 30 The tenderer shall be responsible for any damages to property or personal the NPDCL or other agency arising out of carelessness and negligence on the part of himself or his employees or his authorized agent.
- 31 The tenderer will be held responsible for any loss or damage to property entrusted to him.
- 32 The tenderer should prepare his own bills in triplicate to be accompanied by copies of transport notes duly acknowledged by the officer in charge of materials and send the same to the Asst. Engineer concerned in charge for check and arranging payment.
- 33 The tenderer shall always be present at site or keep responsible persons on his behalf for adequate supervision of the works carried out under this contract and to take instructions from the officer in charge. The tenderer should nominate his authorized agent and intimate the same to the officer in charge in writing for issuing day to day instructions.
- 34 The tenderer is responsible for the proper behaviour of the labour employed by him. The department reserves the right of to make deductions from the bills of the tenderer or take such other suitable for the damage caused to the departmental property by the labour.
- 35 The tenderer shall make their own arrangements for alternate tools plant required for execution of the work.
- 36 The tenderer shall erect at the work site goods stores shed and all the material issued for the work by the NPDCL shall be kept safe in such sheds. All responsible facilities shall be accorded by the tenderer to the NPDCL's officers for inspection and checking of the stores and their accounts at any time and if during the course of such inspection and checking materials have been used otherwise than on a specified TS Transco's deemed fit by the Divisional Engineer.
- 37 Income tax deductions from bill will be effected as per standing rate of the Income Tax department.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**

**Note:-**

- I. The tenderers should submit income tax clearance certificate/income-tax return copy before the first bill failing which the bill will not be released.
- II. No part of the work should be sublet.
- III. Bid security will be forfeited, if the tenderer do not turn up for agreement within 15 days from date of acceptance.
- IV. **Sale of Tender Schedule:** Tender Schedules will be sold to eligible Contractors/Agencies with their written representation along with cost of **Rs.4580-00** in the form of Demand Draft in favour of Pay Officer/TSNPDCL/Warangal and xerox copies of valid enrolment in the Corporate Office of NPDCL for the said work.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**



**TERMS & CONDITIONS**

1. Any hindrance or stoppage of work due to non-availability of labour by the contractor, the contractor will be held responsible and liable for levy of penalty at the discretion of competent authority.
2. Retention amounts will be deducted from each and every running part bill of the contractor and the same will be released at the time of final bill.
3. The terms such as sales tax, seigniorage, royalties etc., in respect of materials to be consumed on the work and also on the finished items of work etc., must be borne by the contractors themselves as per current rules and regulations. The conditions do not apply in the case specified rules which are inclusive of all such taxes. A certificate regarding payment of seigniorage, tools etc., wherever applicable should be furnished to the officer in charge of the work.
4. i) Income tax deductions from bill will be effected as per standing rate of the Income Tax department.  
ii) New items (a) similar items, the rates of which cannot be directly deducted from the original agreement.  
iii) Purely new items which do not correspond to any item in the agreement. The rate shall be estimate rate plus or minus overall tender percentage.

**NOTE:-**

The terms “estimate rate” used in (i) and (ii) above means the rate in the sanctioned estimate with which the tenders were compared, or if on such rate is available in the estimate, the rates with reference to schedule of rates adopted in the sanctioned estimate with which tenders are compared.

**5. Penalty:-**

- a) Penalty at the rate ½% per week of delay not exceeding 5% of the contracted value will be levied by the officer in charge for slow progress at his direction and his decision is final.
  - (b) Max. 5% penalty for not supplying the metal and sand as per item will be recovered from the bill of the contractor.
6. In case of dispute of difference of opinion between the Contractor and NPDCL representative at site in matter relating to day to day working and classification of items for purposes of payment the decision of Superintending Engineer, concerned shall be final or shall be decided in Court of Law situated in Hanamkonda, pending such decision by the Superintending Engineer or by Court of Law, the work should be continued as usual and not suspended or stopped. If the contractor stops or suspends work for these reasons, he will be responsible for any demurrages warfages etc., that may arise due to his stopping the work and this extra expenditure will be recovered from his bills.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**

7. The Earnest Money Deposit, Security Deposit and special deposits (Bank Guarantee) etc., should be adjusted against losses on account of short deliveries.
8. The contractor shall always be present at site or keep responsible persons on his behalf for adequate supervision of the works carried out under this contract and to take instructions from the officer in charge. The contractor should nominate his authorized agent and intimate the same to the officer in charge in writing for issuing day to day instructions.
9. The department reserves the right to terminate the contract without prior information if the work is found to be un-satisfactory or for any cause. No claim for the contractor will be entertained by the department in such regards (i.e., after termination of the contract).
10. The contractor shall make their own arrangements for alternate tools plant required for execution of the work.
11. The contractor shall erect at the work site goods stores shed and all the material issued for the work by the NPDCL shall be kept safe in such sheds. All responsible facilities shall be accorded by the contractor to the NPDCL's officers for inspection and checking of the stores and their accounts at any time and if during the course of such inspection and checking materials have been used otherwise than on a specified T.S. Transco's deemed fit by the Divisional Engineer.
12. NPDCL terms and conditions are accepted.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**



**NORTHERN POWER DISTRIBUTION COMPANY OF TS LTD.  
CORPORATE OFFICE, VIDYUTH BHAVAN,  
# 2-5-31/2, Nakkalagutta, Hanamkonda, Warangal – 506 001.**

**PRICE SCHEDULE**

**1) Tender Specification No. 01 / 2015-16 of CGM(OP)**

**Name of the Section:Khammam T- 1**

**SAP Estimate No: D-1501-01-01-01-001.**

<b>Sl. No.</b>	<b>Description of the work</b>	<b>Unit</b>	<b>Qty</b>	<b>Approved Rate in Rs</b>
1	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting)			
	a) 2'6"X2'.0"X5'.0" ( For 8.0 Mtrs Poles) {600x900x1500mm}	8	Nos.	450.00
	b) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	24	Nos.	592.00
	c) 3'.0"X3'.0"X7'.0" ( For 11.0 Mtrs Poles)	11	Nos.	700.00
	d) 3'.0"X3'.0"X8'.0" (For 12.0 Mtrs Poles)	3	Nos.	830.00
2	<b>ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :</b>			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM.			
	a)Stud poles of 8.0 Mtrs PSCC Poles	4	Nos.	1010.00
	b) 9.1 M PSCC poles	24	Nos.	1587.00
	c) 11 Mtrs PSCC Poles / 11 Mtrs Rail Poles of 105 Lbs.	11	Nos.	2650.00
3	12 Mtrs Spun Poles / 12 Mtrs Rail Poles of 105 Lbs	3	Nos.	4000.00
4	Dismantling of 8.0Mtrs. PSCC Poles.	38	Nos.	200.00
5	Dismantling of Rail poles (Tower) by weight.	2	Nos.	14000.00
6	Fixing base plates, alignment of anchor rod, fixing of clamps, guy insulators, trunckle etc., on the pole, fixing of stay wire, binding securely on either side and tensioning including transport as per standards	4	Nos.	510.00
7	LT Service wire disconnection and reconnection	120	Nos.	97.00
8	Transport Charges	1	LS	5000.00
9	<b>PAVING &amp; STRINGING OF CONDUCTORS / CABLES :</b>			
	<b>FOR HT LINES :</b>			
	Paving out Conductor, providing temporary stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snatch block to insulators including pin binding and jump ring complete including of transport of conductor drums to location.			
	a) Dog Conductor/100Sqmm Conductor	0.200	Km	9200.00
	b) 55Sqmm Conductor	0.480	Km	5800.00
10	Dismantling of Dog Conductor/100Sqmm Conductor	0.200	Km	4600.00
11	Dismantling of 11KV Line	0.480	Km	3335.00
12	<b>FOR LT LINES :</b>			
	Paving out Conductor, providing temporary stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snatch block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 3-Ph. 5W/L	1.980	Km	4320.00

13	Dismantling of LT 3-Ph 5 Wire line Conductor	1.980	Km	2484.00
14	<b>CUT POINTS :</b>			
	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 11 KV Cut Point	4	Nos.	1200.00
	b) LT Cut Point	10	Nos.	575.00
15	<b>Mass Concreting</b> with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
	a) As item (a) but for dimensions 600X600X1500mm (2'X2'X6') and coping of 300X300X500 mm and moping	24	Nos.	2200.00
	b) As item (a) but for dimensions 600X600X1800mm (2'X2'X6') and coping of 300X300X500 mm and moping	14	Nos.	2650.00
16	<b>Construction of Plinth for DTRs :</b>			
	Construction of <b>pillar type DTR Plinth</b> for erection of <b>63/100/160/250/315 KVA DTRs</b> . The foundation of pit for pillar type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The pillar is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for columns 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedastal: 0.60X0.45X0.30 mts. The following steel is to be utilized for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	2	Nos.	17710.00
17	Dismantling of 100/63KVA DTR Complete.	2	Nos.	3450.00
	<b>ERECTION OF DTRs</b>			
18	Erection of <b>63/100 KVA DTR</b> Including erection of <b>AB Switch,11 KV HG Fuse set, LT Fuse set</b> , coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distribution boxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV busbars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) For 63 / 100 KVA DTR	2	Nos.	6980.00
19	Labour charges for fixing meters on LV side DTR's	2	Nos.	928.00
20	Fabrication of Back Stay clamps	20	Nos.	244.00
21	Providing of MS Flat 50x6mm	80	Kgs	48.68
22	Supply and erection of MS angle	10	Kgs	49.97
23	Tower Erection complete including bolts and nuts.	14.16	EA	10400.00
24	Tower Loading and Unloading charges for all materials	6	LS	1061.80
25	Tower tack welding of bolts and nuts up to First Leg.	6	EA	960.00
26	Fabrication of Tower parts	6	EA	8349.00
27	Excavation of tower pit(1.6x1.6x3.5), D watering etc.	54.35	M3	120.00
28	Tower setting of stubs (with 1:3:6 cc mix)	59.7	M3	4356.20
<b>NON STOCK ITEMS:</b>				
29	Supply of PSCC Poles 9.1Mtrs 280Kgs.	24	No's	3120.00
30	Supply of LT 3-Ph, 5 Wire Side Arms.	38	No's	1178.99

31	Supply of LT Pin Insulators	120	No's	15.74
32	Supply of LT GI Pins.	120	No's	31.21
33	Supply of LT Shackles.	60	No's	15.75
34	Supply of LT Metal Parts.	60	sets	29.00
35	Supply of 11 KV Channel X-arms with MS. Channel 100x50	10	EA	670.80
36	Supply of 11 KV Side arms with clamps.	3	EA	1285.89
37	Supply of 33KV Polymer Insulators(B&S)	41	EA	279.35
38	Supply of 33KV Metal Parts(B&S)	41	sets	171.50
39	Supply of 33KV Pin Insulators.	33	EA	387.00
40	Supply of 33KV GI Pins	33	EA	148.30
41	Supply of 11KV Pin Insulators.	30	EA	54.90
42	Supply of 11 KV GI Pins.	30	EA	58.59
43	Supply of G.I Wire 4mm(No.8)	50	Kg	57.14
44	Supply of CI Earth Pipe 80 mm Dia.	6	EA	1879.50
45	Supply of 11Kv 200A TT AB Switch with Insulators.	2	EA	8250.00
46	Supply of 11KV AB Switch sitting channel with studs and clamps.	2	EA	804.62
47	Supply of 3-ph 11Kv HG Fuse sets with insulators.	2	sets	2190.00
48	Supply of A-type LT Distribution Box with fuse base & knife switch.	2	EA	8275.00
49	Supply of MS Bolts and nuts 16x100mm(5/8x4")	200	KG	62.90
50	Supply of MS. Back clamps for 9.1 M PSCC Pole.	60	EA	53.00
51	Supply of MS Stay clamps for 9.1 M PSCC Pole	75	sets	131.13
52	Supply of 11Kv MS Stay sets without Base plate.	4	sets	1132.00
53	Supply of G.I wire 7/3.15mm (10SWG).	50	KG	61.80
54	Supply of 11KV Guy Insulators (HT).	4	EA	41.94
55	Supply of PSCC Poles 8.0Mtrs 140Kgs.	4	EA	1560.00
56	Supply of 11 KV Disc Insulators (C&T)	12	EA	235.98
57	Supply of 11 KV Metal Parts(C&T)	12	EA	77.00
58	Supply of 11 Mtrs PSCC Poles	11	No's	6900.00
59	Supply of Spun poles	3	No's	6250.00
60	Supply of M+9 towers	3	No's	129398.00
61	Supply of M+6 towers	3	No's	109447.80
62	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

**Signature of Bidder / Tenderer**

**Chief General Manager  
Operation/ NPDCL/Warangal**



**2) Tender Specification No. 02 / 2015-16 of CGM(OP)**

**Name of the Section:Khammam T- 2**

**SAP Estimate No: D-1401-01-01-01-02-003.**

<b>Sl. No.</b>	<b>Description of the work</b>	<b>Unit</b>	<b>Qty</b>	<b>Approved Rate in Rs</b>
1	EXCAVATION OF PITS:			
	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting) a) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	2	Nos.	592.25
2	ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM. a) 9.1 M PSCC poles	2	Nos.	1587.00
3	Dismantling of Rail Poles.(Tower)	8	Nos.	14000.00
4	Dismantling of RS Joist etc., by weight	43	Nos.	276.00
5	LT Service wire disconnection and reconnection	10	Nos.	97.00
6	Transport Charges	1	LS	10000.00
7	Transport of Dis-mantled material	13	LS	250.00
8	Transport of Dismantled conductor from work.	10	EA	250.00
9	Fixing of 11KV Cross arms and insulators / discs	37	Nos.	132.25
10	Fixing of LT 3-Ph Cross arms with insulators and shackles	37	Nos.	115.00
11	PAVING & STRINGING OF CONDUCTORS / CABLES : FOR HT LINES :			
	Paving out Conductor, providing temporary stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) Dog conductor/100Sqmm Conductor	4.000	Km	9200.00
	b) Dismantling of 33KV Line	4.000	Km	4600.00
12	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 33 KV Cut Point	8	Nos.	1725.00
13	Mass Concreting with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
	for dimensions 600X600X1500mm ( 2'X2'X5') and coping of 300X300X500 mm and moping (9.1Mtrs PSCC Pole)	2	Nos.	2200.00
14	Construction of piller type DTR Plinth for erection of 63 / 100 / 160 / 250 / 315 KVA DTRs. The foundation of pit for piller type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The piller is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for colums 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedastal: 0.60X0.45X0.30 mts. The following steel is to be utilised for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	2	Nos.	17710.00

15	Dismantling of 100/63KVA DTR Complete.	2	Nos.	3450.00
16	Erection of 16/25 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distribution boxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV bus bars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) With AB Switch and Laying of 3.Nos Earth Pipes and Earthing arrangements	1	Nos.	5750.00
17	Erection of 63/100 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distribution boxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV bus bars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) For 63 / 100 KVA DTR	1	Nos.	6980.50
18	Labour charges for fixing meters on LV side DTR's	2	Nos.	928.00
19	Fabrication of Back Stay clamps	2	Nos.	244.00
20	Providing of MS Flat 50x6mm	10	Kgs	48.68
21	Tower Erection complete including bolts and nuts.	83	EA	10400.00
22	Tower Loading and Unloading charges for all materials	37	LS	1061.80
23	Tower tack welding of bolts and nuts up to First Leg.	37	EA	960.00
24	Fabrication of Tower parts	37	EA	8349.00
25	Excavation of tower pit(1.6x1.6x3.5), D watering etc.	331.52	M3	120.00
26	Tower setting of stubs (with 1:3:6 cc mix)	369.26	M3	4513.00
27	Supply & erection of MS Angle 50x50x6mm	10	EA	49.97
28	8.0 Mtr / 9.1 Mtr / 11 Mtr / 12 Mtr PSCC poles in good condition by length	10	Nos.	288.00
29	Dismantling of 63/100KVA DTR's	1	EA	3490.00
30	Dismantling of DTR(25KVA)	1	EA	2900.00
31	Providing 3 no's Pipe Earthing arrangements @ 1000/- each including cost of coke, sand and salt or with bentonate powder-and excavation of Pit (Pipe & G.I wire will be supplied by the department etc.)	74	EA	1150.00
<b>NON STOCK ITEMS:</b>				
32	Supply of M+9 towers	9	No's	129398.00
33	Supply of 33KV Pin Insulators.	152	EA	387.00
34	Supply of 33KV GI Pins	152	EA	148.30
35	Supply of 33KV Polymer Insulators(B&S)	66	EA	279.35
36	Supply of 33KV Metal Parts(B&S)	66	sets	171.50
37	Supply of MS Bolts and nuts 16x100mm(5/8x4")	1000	KG	62.90
38	Supply of M+6 towers	28	No's	109447.80
39	Supply of 11 KV Side arms with clamps.	37	EA	1285.89
40	Supply of LT 3-Ph, 5 Wire Side Arms.	37	No's	1178.99
41	Supply of 11KV Pin Insulators.	120	EA	54.90
42	Supply of 11 KV GI Pins.	120	EA	58.59

43	Supply of LT Pin Insulators	160	No's	15.74
44	Supply of LT GI Pins.	160	No's	31.21
45	Supply of G.I Wire 4mm(No.8)	500	Kg	57.14
46	Supply of CI Earth Pipe 80 mm Dia.	74	EA	1879.50
47	Supply of 11Kv 200A TT AB Switch with Insulators.	2	EA	8250.00
48	Supply of 11KV AB Switch sitting channel with stuts and clamps.	2	EA	804.62
49	Supply of 3-ph 11Kv HG Fuse sets with insulators.	2	sets	2190.00
50	Supply of GI Earth pipe 40mm 2.5Mts Long.	5	EA	476.00
51	Supply of A-type LT Distribution Box with fuse base & knife switch.	2	EA	8275.00
52	Supply of PSCC Poles 9.1Mtrs 280Kgs.	2	No's	3120.00
53	Supply of MS. Back clamps for 9.1 M PSCC Pole.	10	EA	53.00
54	Supply of MS Stay clamps for 9.1 M PSCC Pole	12	sets	131.13
55	Supply of LT Shackles.	20	No's	15.75
56	Supply of LT Metal Parts.	20	sets	29.00
57	Supply of LT XLPE 1CX150sq.mm Al. Cable Un-armour.	60	Mtrs	93.00
58	Supply of 11 KV Channel X-arms with MS. Channel 100x50	2	EA	670.80
59	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**

### 3) Tender Specification No. 03 / 2015 -16 of CGM(OP)

#### Name of the Section:Khammam T-2

#### SAP Estimate No: D-1401-01-01-02-010.

Sl. No.	DESCRIPTION	Qty	Unit	Approved Rate in Rs.
1	EXCAVATION OF PITS:			
	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting)			
	a) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	8	Nos.	592.00
	b) 3'.0"X3'.0"X7'.0" ( For 11.0 Mtrs Poles)	81	Nos.	730.00
2	ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM.			
	a) 11 Mtrs PSCC Poles / 11 Mtrs Rail Poles of 105 Lbs.	81	Nos.	2702.00
3	Dismantling of 8.0Mtrs. PSCC Poles.	81	Nos.	280.00
4	Dismantling of RS Joist etc., by weight	48	Nos.	276.00
5	Erection of Stud Poles (for all poles)	8	Nos.	1380.00
6	LT Service wire disconnection and reconnection	820	Nos.	97.00
7	Transport Charges	1	LS	5000.00
8	Transport charges for Dismantled material devolution	5	EA	250.00
9	Fixing of 11KV Cross arms and insulators / discs	28	Nos.	131.00
10	Fixing of LT 3-Ph Cross arms with insulators and shackles	26	Nos.	115.00
11	PAVING & STRINGING OF CONDUCTORS / CABLES :			
	Paving out Conductor, providing temporaty stays, jointing of coductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 55Sqmm Conductor	2.440	Km	5800.00
12	Dismantling of 11KV Line	2.440	Km	3335.00
13	Paving out Conductor, providing temporaty stays, jointing of coductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 3-Ph. 5W/L	3.240	Km	4320.00
14	Dismantling of LT 3-Ph 5 Wire line Conductor	3.240	Km	2484.00
15	CUT POINTS :			
	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 11 KV Cut Point	15	Nos.	1200.00
	b) LT Cut Point	21	Nos.	575.00
16	Mass Concreting with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
	a) As item (a) but for dimensions 600X600X1800mm (2'X2'X6') and coping of 300X300X500 mm and moping	81	Nos.	1830.00
17	Construction of Plinth for DTRs :			

	Construction of pillar type DTR Plinth for erection of 63 / 100 / 160 / 250 / 315 KVA DTRs. The foundation of pit for pillar type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The pillar is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for columns 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedestal: 0.60X0.45X0.30 mts. The following steel is to be utilised for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	9	Nos.	17710.00
18	Dismantling of 100/63KVA DTR Complete.	4	Nos.	3450.00
19	ERECTION OF DTRs Erection of 16/25 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distributionboxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV busbars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) With AB Switch and Laying of 3.Nos Earth Pipes and Earthing arrangements	5	Nos.	5870.00
20	Labour charges for dismantling of failed 25/16KVA DTRs	5	Nos.	2900.00
21	Erection of 63/100 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distribution boxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV bus bars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work (EXCLUDING COST OF PLINTH)			
	a) For 63/100 KVA DTR	4	Nos.	6070.00
22	Labour charges for fixing meters on LV side DTR's	9	Nos.	928.00
23	Fabrication of Back Stay clamps	400	Nos.	122.00
24	Cutting of Cement Concrete / Black Tar (B.T ) Roads of 0.6 X 0.6 mtrs size	81	Nos.	562.00
25	Providing of MS Flat 50x6mm	1600	Kgs	48.68
<b>NON STOCK ITEMS:</b>				
26	Supply of PSCC Poles 9.1Mtrs 280Kgs.	8	No's	3120.00
27	Supply of LT 3-Ph, 5 Wire Side Arms.	18	No's	1178.99
28	Supply of 11 KV Channel X-arms with MS. Channel 100x50	28	EA	670.80
29	Supply of LT 3-Ph, 5 Wire Cross Arms.	22	EA	434.00
30	Supply of 11KV Pin Insulators.	220	EA	54.90
31	Supply of 11 KV GI Pins.	220	EA	58.59
32	Supply of 11KV Disc Insulators(C&T)	95	EA	235.98
33	Supply of 11KV Metal Parts(C&T)	95	SET	77.00

34	Supply of 11Kv 200A TT AB Switch with Insulators.	9	EA	8250.00
35	Supply of 11KV AB Switch sitting channel with stuts and clamps.	9	EA	804.62
36	Supply of 3-ph 11Kv HG Fuse sets with insulators.	9	sets	2190.00
37	Supply of A-type LT Distribution Box with fuse base & knife switch.	9	EA	8275.00
38	Supply of CI Earth Pipe 80 mm Dia.	9	EA	1879.50
39	Supply of G.I Wire 4mm(No.8)	250	Kg	57.14
40	Supply of LT Pin Insulators	330	No's	15.74
41	Supply of LT GI Pins.	330	No's	31.21
42	Supply of LT Shackles.	150	No's	15.75
43	Supply of LT Metal Parts.	150	sets	29.00
44	Supply of MS Stay clamps for 9.1 M PSCC Pole	16	sets	131.13
45	Supply of MS Bolts and nuts 16x100mm(5/8x4")	400	KG	62.90
46	Supply of LT XLPE 1CX150sq.mm Al. Cable Un-armour.	400	Mtrs	93.00
47	Supply of 11.0 mtrs PSCC Poles	81	No's	7500
48	Supply of HT/LT Box type side arms with stuts.	61	EA	2147.74
49	Supply of GI Earth pipe 40mm 2.5Mts Long.	13	EA	476.00
50	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/ NPDCL/Warangal**

#### 4) Tender Specification No. 04 / 2015 -16 of CGM(OP)

##### Name of the Section:Khammam T-3

##### SAP Estimate No: D-1401-01-01-01-03-020.

Sl. No.	DESCRIPTION	Qty.	Unit	Approved Rate in Rs.
1	EXCAVATION OF PITS:			
	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting)			
	a) 2'6"X2'.0"X5'.0" ( For 8.0 Mtrs Poles) {600x900x1500mm}	8	Nos.	455.00
	b) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	14	Nos.	592.25
	c) 3'.0"X3'.0"X7'.0" ( For 11.0 Mtrs Poles)	44	Nos.	730.25
d) 3'.0"X3'.0"X8'.0" (For 12.0 Mtrs Poles)	15	Nos.	880.00	
2	ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM.			
	a) 9.1 M PSCC poles	14.00	Nos.	1587.00
	b) 11 Mtrs PSCC Poles / 11 Mtrs Rail Poles of 105 Lbs.	44.00	Nos.	2702.50
	c) 12 Mtrs Spun Poles / 12 Mtrs Rail Poles of 105 Lbs	15	Nos.	4082.00
3	Dismantling of 8.0Mtrs. PSCC Poles.	40	Nos.	280.00
4	Dismantling of RS Joist etc., by weight	22	Nos.	317.40
5	Fixing base plates, alignment of anchor rod, fixing of clamps, guy insulators, trunckle etc., on the pole, fixing of stay wire, binding securely on either side and tensioning including transport as per standards	8	Nos.	506.00
6	LT Service wire disconnection and reconnection	1600	Nos.	97.75
7	Transport Charges	1	LS	10000.00
8	Transport charges for Dismantled material devolution	1	LS	10000.00
9	Fixing of 11KV Cross arms and insulators / discs	15	Nos.	132.25
10	Fixing of LT 3-Ph Cross arms with insulators and shackles	35	Nos.	115.00
13	PAVING & STRINGING OF CONDUCTORS / CABLES : FOR HT LINES :			
	Paving out Conductor, providing temporaty stays, jointing of coductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 55Sqmm Conductor	2.910	Km	6670.00
14	Dismantling of 11KV Line	3.100	Km	3335.00
15	FOR LT LINES :			
	Paving out Conductor, providing temporaty stays, jointing of coductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 3-Ph. 5W/L	2.550	Km	4968.00

16	Dismantling of LT 3-Ph 5 Wire line Conductor	1.800	Km	2484.00
17	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 11 KV Cut Point	10	Nos.	1200.00
	b) LT Cut Point	10	Nos.	575.00
18	Mass Concreting with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
	a) As item (a) but for dimensions 600X600X1800mm (2'X2'X6') and coping of 300X300X500 mm and moping	73	Nos.	3047.50
19	Construction of Plinth for DTRs :			
	Construction of pillar type DTR Plinth for erection of 63 / 100 / 160 / 250 / 315 KVA DTRs. The foundation of pit for pillar type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The pillar is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for columns 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedastal: 0.60X0.45X0.30 mts. The following steel is to be utilized for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	11	Nos.	17710.00
20	Dismantling of 100/63KVA DTR Complete.	11	Nos.	3490.00
21	ERECTION OF DTRs			
	Erection of 63/100 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distribution boxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV busbars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) For 63 / 100 KVA DTR	11	Nos.	6980.50
22	Labour charges for fixing meters on LV side DTR's	22	Nos.	928
23	Fabrication of Back Stay clamps	218	Nos.	122
24	Cutting of Cement Concrete / Black Tar (B.T ) Roads of 0.6 X 0.6 mtrs size	15	Nos.	562
25	Providing of MS Flat 50x6mm	895	Kgs	48.68
26	Supply of Miscellaneous items lugs 3x185 sqmm.	11	Nos.	200
27	Supply and erection of MS angle	55	Kgs	49.97
28	Tower Erection complete including bolts and nuts.	13.55	EA	10400
29	Tower Loading and Unloading charges for all materials	6	LS	1061.8
30	Tower tack welding of bolts and nuts up to First Leg.	6	EA	960
31	Fabrication of Tower parts	6	EA	8349
32	Excavation of tower pit(1.6x1.6x3.5), D watering etc.	53.76	M3	120
33	Tower setting of stubs (with 1:3:6 cc mix)	59.88	M3	4513
34	Fabrication of Back Stay clamps	22	EA	244
<b>NON STOCK ITEMS:</b>				
35	Supply of PSCC Poles 9.1Mtrs 280Kgs.	14	No's	3120.00



36	Supply of 11 KV Channel X-arms with MS. Channel 100x50	46	EA	670.80
37	Supply of HT/LT Box type side arms with studs.	15	EA	2147.74
38	Supply of 11KV Disc Insulators(C&T)	84	EA	235.98
39	Supply of 11KV Metal Parts(C&T)	84	SET	77.00
40	Supply of 11KV Pin Insulators.	156	EA	54.90
41	Supply of 11 KV GI Pins.	156	EA	58.59
42	Supply of LT 3-Ph, 5 Wire Cross Arms.	35	EA	434.00
43	Supply of LT Pin Insulators	176	No's	15.74
44	Supply of LT GI Pins.	176	No's	31.21
45	Supply of LT Shackles.	128	No's	15.75
46	Supply of LT Metal Parts.	128	sets	29.00
47	Supply of MS Bolts and nuts 16x100mm(5/8x4")	300	KG	62.90
48	Supply of 11Kv MS Stay sets without Base plate.	8	sets	1132.00
49	Supply of G.I. Stay wire 7/3.15mm (10SWG).	60	kg	61.80
50	Supply of MS Stay clamps for 9.1 M PSCC Pole	16	sets	131.13
51	Supply of 11 Mtrs PSCC Poles	44	No's	7500.00
52	Supply of Spun poles 12.5 Mtrs.	15	No's	15000.00
53	Supply of M+6 towers	6	No's	136679.00
54	Supply of 11Kv Special type top cleats with clamps.	46	EA	376.73
55	Supply of 11Kv 200A TT AB Switch with Insulators.	11	EA	8250.00
56	Supply of 11KV AB Switch sitting channel with studs and clamps.	11	EA	804.62
57	Supply of Bottom Channel with clamp.	11	set	541.68
58	Supply of LT XLPE Cable 1Core 120 sq.mm	550	Mtrs	75.95
59	Supply of A-type LT Distribution Box with fuse base & knife switch.	11	EA	8275.00
60	Supply of 3-ph 11Kv HG Fuse sets with insulators.	11	sets	2190.00
61	Supply of CI Earth Pipe 80 mm Dia 2 Mtrs Long.	11	EA	1514.25
62	Supply of MS Flat 50x6mm	220	KG	45.00
63	Supply of G.I Wire 4mm(No.8)	330	Kg	57.14
64	Supply of GI Earth pipe 40mm 2.5Mts Long.	22	EA	476.00
65	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

**Signature of Bidder / Tenderer**

**Chief General Manager  
Operation/ NPDCL/Warangal**

**5) Tender Specification No. 05 / 2015 -16 of CGM(OP)**

**Name of the Section:Khammam T-3**

**SAP Estimate No: D-1401-01-01-03-021.**

Sl. No.	DESCRIPTION	Qty	Unit	Rate in Rs.
1	EXCAVATION OF PITS:			
	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting)			
	a) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	6	Nos.	592.25
	b) 3'.0"X3'.0"X7'.0" ( For 11.0 Mtrs Poles)	36	Nos.	730.25
	c) 3'.0"X3'.0"X8'.0" (For 12.0 Mtrs Poles)	14	Nos.	880.00
2	ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM.			
	a) 9.1 M PSCC poles	6	Nos.	1587.00
	b) 11 Mtrs PSCC Poles / 11 Mtrs Rail Poles of 105 Lbs.	36	Nos.	2702.50
	c) 12 Mtrs Spun Poles / 12 Mtrs Rail Poles of 105 Lbs	14	Nos.	4082.00
3	Dismantling of 8.0Mtrs. PSCC Poles.	22	Nos.	288.00
4	Fixing base plates, alignment of anchor rod, fixing of clamps, guy insulators, trunckle etc., on the pole, fixing of stay wire, binding securely on either side and tensioning including transport as per standards	16	Nos.	506.00
5	LT Service wire disconnection and reconnection	600	Nos.	97.75
6	Transport Charges	1	LS	5000.00
7	Transport charges for Dismantled material devolution	1	LS	5000.00
8	Fixing of 11KV Cross arms and insulators / discs	77	Nos.	132.25
9	Fixing of LT 3-Ph Cross arms with insulators and shackles	13	Nos.	115.00
10	PAVING & STRINGING OF CONDUCTORS / CABLES :			
	FOR HT LINES :			
	Paving out Conductor, providing temporary stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 55Sqmm Conductor	2.200	Km	6670.00
11	Dismantling of 11KV Line	2.000	Km	3335.00
12	FOR LT LINES :			
	Paving out Conductor, providing temporary stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 3-Ph. 5W/L	1.100	Km	4968.00
13	Dismantling of LT 3-Ph 5 Wire line Conductor	0.500	Km	2484.00

14	CUT POINTS :			
	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 11 KV Cut Point	7	Nos.	1200.00
	b) LT Cut Point	6	Nos.	575.00
15	Mass Concreting with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
	a) As item (a) but for dimensions 600X600X1800mm (2'X2'X6') and coping of 300X300X500 mm and moping	36	Nos.	3047.50
16	Construction of pillar type DTR Plinth for erection of 63 / 100 / 160 / 250 / 315 KVA DTRs. The foundation of pit for pillar type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The pillar is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for columns 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedastal: 0.60X0.45X0.30 mts. The following steel is to be utilised for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	1	Nos.	17710.00
17	Dismantling of 100/63KVA DTR Complete.	1	Nos.	3450.00
18	ERECTION OF DTRs			
	Erection of 63/100 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distributionboxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV busbars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) For 63 / 100 KVA DTR	1	Nos.	6980.50
19	Labour charges for fixing meters on LV side DTR's	1	Nos.	928.00
20	Fabrication of Back Stay clamps	230	Nos.	122.00
21	Cutting of Cement Concrete / Black Tar (B.T ) Roads of 0.6 X 0.6 mtrs size	14	Nos.	562.00
22	Providing of MS Flat 50x6mm	925	Kgs	48.68
23	Supply of Misclanious items lugs 3x185 sqmm.	1	Nos.	200.00
24	Suply and erection of MS angle	5	Kgs	49.97
25	Tower Erection complete including bolts and nuts.	18.08	EA	10400.00
26	Tower Loading and Unloading charges for all materials	8	LS	1061.80
27	Tower tack welding of bolts and nuts up to First Leg.	8	EA	960.00
28	Fabrication of Tower parts	8	EA	8349.00
29	Excavation of tower pit(1.6x1.6x3.5), D watering etc.	71.68	M3	120.00
30	Tower setting of stubs (with 1:3:6 cc mix)	79.83	M3	4513.00
31	Fabrication of Back Stay clamps	1	EA	244.00
32	Transport of dismantled conductor from work.	5	EA	250.00

NON STOCK ITEMS:				
33	Supply of PSCC Poles 9.1Mtrs 280Kgs.	6	No's	3120.00
34	Supply of 11 KV Channel X-arms with MS. Channel 100x50	13	EA	670.80
35	Supply of HT/LT Box type side arms with stuts.	23	EA	2147.74
36	Supply of 11KV Disc Insulators(C&T)	81	EA	235.98
37	Supply of 11KV Metal Parts(C&T)	81	SET	77.00
38	Supply of 11KV Pin Insulators.	114	EA	54.90
39	Supply of 11 KV GI Pins.	114	EA	58.59
40	Supply of LT 3-Ph, 5 Wire Cross Arms.	13	EA	434.00
41	Supply of LT Pin Insulators	104	No's	15.74
42	Supply of LT GI Pins.	104	No's	31.21
43	Supply of LT Shackles.	66	No's	15.75
44	Supply of LT Metal Parts.	66	sets	29.00
45	Supply of MS Bolts and nuts 16x100mm(5/8x4")	300	KG	62.90
46	Supply of 11Kv MS Stay sets without Base plate.	8	sets	1132.00
47	Supply of G.I. Stay wire 7/3.15mm(10SWG).	60	kg	61.80
48	Supply of MS Stay clamps for 9.1 M PSCC Pole	52	sets	131.13
49	Supply of 11 KV Top Cleat with Clamps	63	EA	208.00
50	Supply of 11 KV V-Cross arms with clamps.	63	EA	307.00
51	Supply of 11 Mtrs PSCC Poles	22	EA	7500.00
52	Supply of Spun poles 12.5 Mtrs.	14	EA	15000.00
53	Supply of M+6 towers	6	EA	136679.00
54	Supply of M+9 Towers	2	EA	161152.00
55	Supply of 11 KV Top Cleat with Clamps	13	EA	208.00
56	Supply of 11 KV Special type top cleats.	13	EA	376.73
57	Supply of 11Kv 200A TT AB Switch with Insulators.	1	EA	8250.00
58	Supply of 11KV AB Switch sitting channel with stuts and clamps.	1	EA	804.62
59	Supply of Bottom Channel with clamp.	1	set	541.68
60	Supply of LT XLPE Cable 1Core 120 sq.mm	50	Mtrs	75.95
61	Supply of A-type LT Distribution Box with fuse base & knife switch.	1	EA	8275.00
62	Supply of 3-ph 11Kv HG Fuse sets with insulators.	1	sets	2190.00
63	Supply of CI Earth Pipe 80 mm Dia 2 Mtrs Long.	1	EA	1514.25
64	Supply of MS Flat 50x6mm	20	KG	45.00
65	Supply of G.I Wire 4mm(No.8)	30	Kg	57.14
66	Supply of GI Earth pipe 40mm 2.5Mts Long.	2	EA	476.00
	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

**Signature of Bidder / Tenderer**

**Chief General Manager  
Operation/ NPDCL/Warangal**

**6) Tender Specification No. 06 / 2015 -16 of CGM(OP)**

**Name of the Section:Khammam Town-3**

**SAP Estimate No: D-1401-01-01-01-03-024.**

Sl. No.	DESCRIPTION	Qty	Unit	Rate in Rs.
1	EXCAVATION OF PITS:			
	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting)			
	a) 2'6"X2'.0"X5'.0" ( For 8.0 Mtrs Poles) {600x900x1500mm}	8	Nos.	450.00
	b) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	21	Nos.	592.25
	c) 3'.0"X3'.0"X7'.0" ( For 11.0 Mtrs Poles)	69	Nos.	730.25
2	ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM.			
	a) 9.1 M PSCC poles	21	Nos.	1587.00
	b) 11 Mtrs PSCC Poles / 11 Mtrs Rail Poles of 105 Lbs.	69	Nos.	2702.50
3	Dismantling of 8.0Mtrs. PSCC Poles.	69	Nos.	280.00
4	Fixing base plates, alignment of anchor rod, fixing of clamps, guy insulators, trunckle etc., on the pole, fixing of stay wire, binding securely on either side and tensioning including transport as per standards	8	Nos.	506.00
5	LT Service wire disconnection and reconnection	350	Nos.	97.75
6	Transport Charges	1	LS	2100.00
7	Transport charges for Dismantled material devolution	1	LS	2100.00
8	Fixing of LT 3-Ph Cross arms with insulators and shackles	13	Nos.	115.00
9	PAVING & STRINGING OF CONDUCTORS / CABLES :			
	FOR HT LINES :			
	Paving out Conductor, providing temporaty stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 55Sqmm Conductor	3.400	Km	6670.00
10	Dismantling of 11KV Line	3.400	Km	3335.00

	FOR LT LINES :			
11	Paving out Conductor, providing temporary stays, jointing of conductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transferring the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) 3-Ph. 5W/L	3.100	Km	4968.00
12	CUT POINTS :			
	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 11 KV Cut Point	6	Nos.	1200.00
	b) LT Cut Point	6	Nos.	575.00
13	Mass Concreting with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
	a) As item (a) but for dimensions 600X600X1500mm (2'X2'X6') and coping of 300X300X500 mm and moping	21	No's	2200.00
	b) As item (a) but for dimensions 600X600X1800mm (2'X2'X6') and coping of 300X300X500 mm and moping	69	Nos.	3047.50
14	Construction of Plinth for DTRs :			
	Construction of pillar type DTR Plinth for erection of 63 / 100 / 160 / 250 / 315 KVA DTRs. The foundation of pit for pillar type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The pillar is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for columns 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedestal: 0.60X0.45X0.30 mts. The following steel is to be utilized for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	7	Nos.	17710.00
15	Dismantling of 100/63KVA DTR Complete.	7	Nos.	1150.00
16	ERECTION OF DTRs			
	Erection of 63/100 KVA DTR Including erection of AB Switch, 11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distribution boxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV bus bars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) For 63 / 100 KVA DTR	7	Nos.	6980.50

17	Labour charges for fixing meters on LV side DTR's	7	Nos.	928.00
18	Fabrication of Back Stay clamps	254	Nos.	122.00
19	Providing of MS Flat 50x6mm	960	Kgs	48.68
20	Supply of Miscellaneous items lugs 3x185 sqmm.	254	Nos.	122.00
21	Supply and erection of MS angle 50x50x6mm	35	Kgs	49.97
22	Fabrication of Back Stay clamps	7	EA	280.84
<b>NON STOCK ITEMS:</b>				
23	Supply of PSCC Poles 9.1Mtrs 280Kgs.	21	No's	3120.00
24	Supply of 11 KV Channel X-arms with MS. Channel 100x50	40	EA	670.80
25	Supply of LT 3-Ph, 5 Wire Cross Arms.	55	EA	434.00
26	Supply of 11KV Pin Insulators.	201	EA	54.90
27	Supply of 11 KV GI Pins.	201	EA	58.59
28	Supply of 11KV Disc Insulators(C&T)	72	EA	235.98
29	Supply of 11KV Metal Parts(C&T)	72	SET	77.00
30	Supply of 11Kv 200A TT AB Switch with Insulators.	7	EA	8250.00
31	Supply of 11KV AB Switch sitting channel with stuts and clamps.	7	EA	804.62
32	Supply of 3-ph 11Kv HG Fuse sets with insulators.	7	sets	2190.00
33	Supply of A-type LT Distribution Box with fuse base & knife switch.	7	EA	8275.00
34	Supply of CI Earth Pipe 80mm Dia	21	EA	1879.50
35	Supply of G.I Wire 4mm(No.8)	630	Kg	57.14
36	Supply of LT Pin Insulators	286	No's	15.74
37	Supply of LT GI Pins.	286	No's	31.21
38	Supply of LT Shackles.	228	No's	15.75
39	Supply of LT Metal Parts.	228	sets	29.00
40	Supply of MS Stay clamps for 9.1 M PSCC Pole	32	sets	131.13
41	Supply of MS. Back clamps for 9.1 M PSCC Pole.	21	EA	53.00
42	Supply of MS Bolts and nuts 16x100mm(5/8x4")	400	KG	62.90
43	Supply of LT XLPE 1CX150sq.mm Al. Cable Un-armour.	350	Mtrs	93.00
44	Supply of HT/LT Box type side arms with stuts.	29	EA	2147.74
45	Supply of 11 Mtrs PSCC Poles	69	EA	7500.00
46	Supply of 11 KV Special type top cleats.	40	EA	376.73
47	Supply of 11Kv MS Stay sets without Base plate.	8	sets	1132.00
48	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

**Signature of Bidder / Tenderer**

**Chief General Manager  
Operation/ NPDCL/Warangal**

**7) Tender Specification No. 07 / 2015 -16 of CGM(OP)**

**Name of the Section: Khammam Urban**

**SAP Estimate No: D-1501-01-01-02-01-001.**

Sl. No.	DESCRIPTION	Qty	Unit	Rate in Rs.
1	EXCAVATION OF PITS:			
	Excavation of pit in all soils (except hard gravel, hard morrum, disingreated rock and hard rock requiring blasting)			
	a) 2'6"X2'.0"X6'.0" (For 9.1 Mtrs Poles)	35	Nos.	515.00
	b) 3'.0"X3'.0"X7'.0" ( For 11.0 Mtrs Poles)	95	Nos.	635.00
2	ERECTION OF POLES FOR 33 KV, 11KV and LT LINES :			
	Fixing of cross arms, top cleats erection of poles complete, alignment including back filling and Transportation of poles from road side to work spot up to 1 KM.			
	a)9.1 M PSCC poles	35	Nos.	1380.00
	b) 11 Mtrs PSCC Poles / 11 Mtrs Rail Poles of 105 Lbs.	95	Nos.	2350.00
3	LT Service wire disconnection and reconnection	285	Nos.	97.00
4	Transport charges for Dismantled material devolution	1	LS	10000.00
5	PAVING & STRINGING OF CONDUCTORS / CABLES :			
	FOR HT LINES :			
	Paving out Conductor, providing temporaty stays, jointing of coductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transfering the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
	a) Dog conductor/100 sqmm Conductor	4.471	KM	8000.00
	b) 55Sqmm Conductor	5.686	Km	5800.00
6	Dismantling of 33kv line	4.471	KM	4000.00
7	Dismantling of 11KV Line	6.500	Km	2900.00
8	FOR LT LINES :			
	Paving out Conductor, providing temporaty stays, jointing of coductor wherever necessary, paving out the conductor, cutting, tapping, fixing of double sleeve pulleys, straightening and alignment of poles, final tensioning and transfering the strung conductor from snath block to insulators including pin binding and jumpering complete including of transport of conductor drums to location.			
9	a) 3-Ph. 4W/L	4.123	Km	2160.00
10	Dismantling of LT 3-Ph 5 Wire line Conductor	4.123	Km	4320.00
11	CUT POINTS :			
	Formation of Single Pole Cut-Point / Vertical formation / D.P Cut Point formation			
	a) 33Kv Cut point	13	Nos.	1500.00
	b) 11 KV Cut Point	16	Nos.	1200.00
	c) LT Cut Point	20	Nos.	575.00



	Mass Concreting with CC 1:3:6 using 40mm HBG metal including cost of cement & sand			
13	a) As item (a) but for dimensions 600X600X1500mm (2'X2'X6') and coping of 300X300X500 mm and moping	20	No's	2200.00
	b) As item (a) but for dimensions 600X600X1800mm (2'X2'X6') and coping of 300X300X500 mm and moping	40	Nos.	2650.00
	Construction of Plinth for DTRs :			
14	Construction of pillar type DTR Plinth for erection of 63 / 100 / 160 / 250 / 315 KVA DTRs. The foundation of pit for pillar type is 1.20X1.20X1.50 mts. After excavation of pit is to be filled up with 300 mm sand and laying CC(1:4:8) using 40mm HBG metal up to a depth of 300 mm after laying of base concreting. The pillar is constructed using M20 grade concrete with following dimensions i.e., with 6" thick 4'X4' size slab over 4' length cross beams of 6" depth including foundation for columns 7' above ground level and it is plastered using cm (1:4) of 20 mm thick in two coats and painting with snowcem cement for two coats etc., complete. Footing base: 1.20X1.20X0.30Mts, Pedestal: 0.60X0.45X0.30 mts. The following steel is to be utilised for mat, column, beams & slab: for mat 10 mm dia, for base 12mm, for column 16mm & 12mm for stirrups 6mm total of 49.080KG	20	Nos.	15400.00
15	Dismantling of 100/63KVA DTR Complete.	14	Nos.	3035.00
	ERECTION OF DTRs			
16	Erection of 63/100 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distributionboxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV busbars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder, cement collars 2 feet dia and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) For 63 / 100 KVA DTR	14	Nos.	6070.00
17	Erection of 16/25 KVA DTR Including erection of AB Switch,11 KV HG Fuse set, LT Fuse set, coil earthing, running of earth wire from AB Switch, HG Fuses, Transformer Body, Transformer .Neutral, Distributionboxes, AB Switch handle, cross arms, earthing and interlinking of earth wire to earth pits (G.I Wire will be Supplied by NPDCL) and 11 KV busbars (HG Fuse set to DTR), LT Bus Bars (DTR to LT HG Fuse set) including Providing 3.NOs.earthing including cost of coke, sand and salt or with bentonate powder and excavation complete item of work ( EXCLUDING COST OF PLINTH)			
	a) With AB Switch and Laying of 3.Nos Earth Pipes and Earthing arrangements	6	Nos.	5870.00
18	Dismantling of 25/16 KVA DTR	6	Nos.	2435.00
19	Labour charges for fixing meters on LV side DTR's	1	Nos.	875.00
20	Fabrication charges cutting drilling holes	1000	Kgs	10.00
21	Fabrication of of MS tower Angular	67	TO	6600.00
22	Earthing of tower with 50x6 MS flat including.	171.319	M	8222.00
23	Tower tack welding of bolts and nuts up to First Leg.	67	EA	759.00
24	Earth work M+ Pe tower (1.25m*1.25m 3.3m)	268.00	M3	1032.00
25	Excavation of tower pit(1.6x1.6x3.5), D watering etc.	600.320	M3	95.00

26	Tower setting of stubs (with 1:3:6 cc mix)	668.660	M3	3568.00
27	15% extra Municipality Area	1	AU	896262.14
28	Dismantling of Tower	4.000	TO	34485.00
NON STOCK ITEMS:				
29	Supply of 11Kv 200A TT AB Switch with Insulators.	20	EA	8250.00
30	Supply of 11KV Sitting Channel set for TT AB Switch.	20	EA	311.00
31	Supply of Bottom Channel with Clamp.	20	set	541.68
32	Supply of 3-ph 11Kv HG Fuse sets with insulators.	20	sets	2190.00
33	Supply of A-Type Distribution Boxes with fuse base.	20	EA	4527.06
34	Supply of G.I Wire 4mm(No.8)	400	Kg	57.14
35	Supply of CI Earth Pipe 80 mm Dia 2 Mtrs Long.	60	EA	1514.25
36	Supply of G.I Flat 25x4 mm	600	KG	33.99
37	Supply of LT XLPE Cable 3 1/2 Core 120 sq.mm.	400	Mts.	434.12
38	Supply of M+9 Towers	67	EA	129398.00
39	Supply of 11 Mtrs PSCC External Poles 365Kgs.	95	EA	6900.00
40	Supply of PSCC Poles 9.1Mtrs 280Kgs.	35	No's	3120.00
41	Supply of 33KV Pin Insulators.	204	EA	387.00
42	Supply of 33KV GI Pins	204	EA	148.30
43	Supply of 33KV Polymer Insulators(B&S)	102	EA	279.35
44	Supply of 33KV Metal Parts(B&S)	102	sets	171.50
45	Supply of 11KV Pin Insulators.	393	EA	54.90
46	Supply of 11 KV GI Pins.	393	EA	58.59
47	Supply of 11KV Disc Insulators(C&T)	96	EA	235.98
48	Supply of 11KV Metal Parts(C&T)	96	SET	77.00
49	Supply of LT 3-Ph, 5 Wire Cross Arms.	93	EA	434.00
50	Supply of LT Pin Insulators	412	No's	15.74
51	Supply of LT GI Pins.	412	No's	31.21
52	Supply of LT Shackles.	80	No's	15.75
53	Supply of LT Metal Parts.	80	sets	29.00
54	Supply of 33KVMS Back Clamps.	183	EA	153.00
55	Supply of 33KV MS. Stay Clamps.	40	EA	232.00
56	Supply of MS Bolts and nuts 16x100mm(5/8x4")	1500	KG	62.90
57	Supply of LT 3-ph, 5 wire Side Arms.	10	EA	1178.99
58	Supply of M.S.Special Back Clamps.	115	SET	93.98
59	Supply of 11KV Channel X-arms with MS Channel 100x50mm	100	EA	670.80
60	Service Tax @ 6.18% of NPDCL Portion.	1	LS	(Not to be quoted)

- Note:** 1) The Contractor is requested to quote Minus 5% to Plus 5% of above given rates for the above items and the rates are inclusive of all other taxes.  
2) The rates should be quoted inclusive of all taxes and duties.  
3) The above labour rates are inclusive of service tax @ 6.18% which is not Reimbursable. NPDCL portion of 6.18% will be included in bill & deducted.

**Signature of Bidder / Tenderer**

**Chief General Manager  
Operation/ NPDCL/Warangal**

**FOOT NOTE TO SCHEDULE**

**Name of the work:-**.....  
.....  
.....

I/We..... do hereby express my/our willingness to execute the aforesaid work as per the conditions, standards, specifications, rules, regulations, etc. stipulated in the Tender Schedules at

(1) An overall tender percentage of equal to ***estimated rates*** of the contract value.

**OR**

(2) An overall tender percentage of Excess Over \_\_\_\_\_, (In words.....) of the contract value.

**OR**

(3) An overall tender percentage of Less Than \_\_\_\_\_, (In words ..... ) of the contract value.

**Conditions:-**

1. Please score out whichever is not applicable.
2. The rates indicated against each item are inclusive of turnover tax/VAT, seignorages charges, service tax, storage charges etc.,
3. The tenderer should quote his offer to do the work in terms of percentage excess or less over the estimate contract value both in figures and in words. The percentage should be limited to two decimal digits.
4. If there is any discrepancy in between the words and figures in quoting the above percentage, the percentage quoted in words shall prevail.
5. If any tenderer fails to quote his tender percentage in both figures and words the tender will be treated as incomplete and his tender shall be rejected.
6. If any additions or alterations are made in the tender schedule of quantities, amounts and total amounts given, it will disqualify the tenderer.

***Signature of Bidder / Tenderer***

**Chief General Manager  
Operation/NPDCL/Warangal**