

PR NO	324269
RFQ NO	44611

**ADVERTISED TENDER Notice no: 09/2017-18**

TO,  
M/s \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of Work                      Erection & Dismantling work of H.T./L.T. line & T/C ,ABC for  
UNJHA (T) S/DN Under SIDHPUR DO for IPDS Scheme Part-1.

Tender Notice No

Estimate cost.	<b>Rs. 842360.00</b>
Earnest Money.	Rs. 8500.00
Security Deposit.	5% of order value.
Last date for online tender submission & (Tender fees & EMD only DD) of receipt of tender at	Date :- 09-08-2017                      On 18.00 Hrs.
Last date for physical submission of Tender & Technical documents by RPAD ONLY at Palanpur division-II	Date :- 10-08-2017                      On 15.00 Hrs.
Date & time of opening the tender	Date: - 11-08-2017                      On 17.00 Hrs. (If Possible )
Type of tender	Item Rate.
Tender Fee	Rs. 850.00+GST APPLICABLE
Time Limit	15 Month

Earnest money deposit will be accepted in cash or by demand draft on any schedule bank at SIDHPUR in favor of UTTAR GUJARAT VIJ COMPANY LIMITED, cheques or Bank guarantee will not be accepted. The tender without Earnest Money deposit will not be accepted. The date of D.D of EMD should be within 10 days from the date of receipt of tender.

Tender received through RPAD will be accepted.

SUPDT.ACCTT.  
UGVCL, DO, SIDHPUR.

EXECUTIVE ENGINEER  
UGVCL, DO, SIDHPUR.

Rural Electrification works in Sidhpur Division Of Palanpur Circle Project in Gujarat State under IPDS  
(Schedule of rates and prices)

## Schedule-B

Bidder's Name & Address:

Installation / Erection Charges :

All prices in Indian Rupees

Sr. No.	Item Description	Unit	Supply			Erection			Grand Total Amt. in Rs.
			Qty.	Unit Rate in Rs.	Total Amt. in Rs	Qty.	Unit Rate in Rs.	Total Amt. in Rs	
1	2	3	4	5	6	7	8	9	10
<b>A</b>	<b>Erection, testing and Commissioning of New 11 KV lines:</b>								
1.00	HT TAPPING FROM EXISTING POLES FOR 11KV LINE INCLUDING FIXING OF CROSS ARMS, CLAMPS, ANTI CLIMBING DEVICES, DANGERBOARD, INSULATORS ETC AS PER STANDARD SPECIFICATION BUT EXCLUDING OF GUY SET AND EARTHING.(9901000001)	No	0	0	0	20	278	5560	5560
<b>B</b>	<b>Augmentation, Renovation and Modernization of existing lines and substations</b>								
<b>B(I)</b>	<b>Augmentation of 11 KV lines</b>								
1.0	Erection of following types of poles for 11 KV overhead line by providing including excavation of pit and refilling of earth, fixing of cross arms, top fitting clamps, Insulator and installing danger plate, anti-climbing devices (barbed wire), earthing with seperate pit (coil and 8SWG GI wire), red oxide & aluminium paint, pole numbering excluding cement concrete foundation or refilling by bolders using cement concreting foundation 1 part cement, 3 part sand, 6 part 40 mm size stone aggregate chips (1:3:6) or/and 200 mm average size bolders mixed with excavated earth etc as per scope of work, approved drawings and								

	<b>specifications:</b>								
1.01	8 Mtr PSC Pole(9902010001)	No	0	0	0	30	675	20250	20250
1.02	10 Mtr PSC Pole(9902010002)	NO	0	0	0	75	1815	136125	136125
1.03	Cement concreting(9905010001)	CMT	0	0	0	25	5900	147500	147500
1.04	Earthing(9902040003)	NO				125	350	43750	43750
<b>2.00</b>	<b>Erection of complete stay set with GI stay wire (7x3.15 mm dia), binding of stay wire, by providing Guy stay insulator (2 Nos.) and 0.2 cmt concreting 1 part cement, 3 part sand, 6 part 40 mm size stone aggregate chips (1:3:6) as per technical specifications, approved drawings and scope of works.</b>								
<b>2.01</b>	Erection of Stay Set(9902040001)	Set	0	0	0	80	315	25200	25200
<b>3.00</b>	<b>Dismantling of existing overhead line conductor and fittings, depositing the dismantled material to employer's store, taking delivery from DISCOM/Power Deptt. stores, loading, transportation, enroute stacking, unloading at site and paying out, tensioning &amp; stringing of new ACSR conductor (or equivalent AAC conductor) of following sizes by supplying &amp; erection of jointing sleeves, binding materials, binding wire &amp; tape &amp; helical formed fittings, PG clamps, bi-metallic conductors, hardware etc as required as per approved drawings, scope of work and technical specifications</b>								
3.01	Dismantling of existing overhead line conductor, depositing the dismantled material to employer's store(9907000009)	km	0	0	0	15	620	9300	9300
3.02	Dismantling of existing overhead line fabrication/fittings and 8 mtr Poles, depositing the dismantled material to employer's store(9907000017)	No	0	0	0	60	465	27900	27900
3.03	Taking delivery from DISCOM/Power Deptt. stores, loading, transportation, enroute stacking, unloading at site and erection, testing & commissioning of new areal bunched XLPE cable by supplying & erection of tension clamps for dead end, suspension clamps,	Km	0	0	0	7	22000	154000	154000

	clamps for neutral, piercing connectors type-I & type-II, 16 mm dia MS nuts & bolts, pole clamps, spring loaded bus bar suitable for single phase and three phase systems etc. as required as per technical specification, approved drawings and scope of work: <b>AERIAL BUNCHED XLPE CABLE 3X35 + 1x35 + 1x16 SQ. MM(9913000017)</b>								
3.04	Taking delivery from DISCOM/Power Deptt. stores, loading, transportation, enroute stacking, unloading at site and erection, testing & commissioning of new areal bunched XLPE cable by supplying & erection of tension clamps for dead end, suspension clamps, clamps for neutral, piercing connectors type-I & type-II, 16 mm dia MS nuts & bolts, pole clamps, spring loaded bus bar suitable for single phase and three phase systems etc. as required as per technical specification, approved drawings and scope of work: <b>AERIAL BUNCHED XLPE CABLE 2X25 + 1x16 SQ. MM.With all accessories Fitting Charge (9903000006)</b>	Km	0	0	0	15	4400	66000	66000
3.2	<b>Special Accessories for AB Cable FOR HT &amp; LT</b>								
3.02(1)	Self tightening anchoring (Dead end) clamp with pole bracket using Stainless Steel Strap & Buckle (2601000134)	No	30	135	4050	30	0	0	4050
3.02(2)	Self locking Suspension Clamp with pole bracket using Stainless Steel Strap & Buckle (2601000136)	No	150	150	22500	150	0	0	22500
3.02(3)	Crimping of Insulated Mid Span Joint For ABC (9911000162)	No	70	135	9450	70	0	0	9450
3.02(4)	Dead End Clamp For A B Conductore (2601000134)	No	75	38	2850	75	0	0	2850
3.02(5)	Piercing Clamp Suitable for HT AB Conductore (0414000002)	No	650	60	39000	650	0	0	39000
4.0	Providing & fixing Heat Shrinkable type Cable Jointing kit suitable for 11 KV 3C x 70/120 sqmm AB Cable for Outdoor Termination application (9703010001)	No	15	4500	67500	15	0	0	67500
5.0	Stringing of ACSR and all aluminium conductor with Insulator binding, Jumpering and joining etc. as per specification and drawing								
5.01	STRINGING OF 100 MM <sup>2</sup> CONDUCTOR FOR 11/22 KV & LT LINE INCLUDING FIXING OF INSULATORS, BINDING, JUMPERING ETC	Km	0	0	0	22.5	2730	61425	61425

	Total								842360. 00
<b>Bidder's Offer (+/-) in %</b>									
<b>Bidder's Final Offer in Rs.</b>									

NOTE :

- The all type of Materials with nut,bolts etc. will provided by UGVCL. The rates are Exclusive Nut,bolts etc. **TAX CONDITION.**

<p>-Income Tax at prevailing rate will be deducted as per Income Tax Act. Period of contract. CST/GST will be applicable as per Govt notification.</p>
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As per GST Act,UGVCL is in the process of amending various Commercial Terms & conditions of Tender. The following Terms & conditions to be amended are given below:-

Name of Terms & conditions	To be added/amended
Tender fee	Plus applicable GST
Prices	Replace Excise duty,VAT/Sales Tax by GST
Excise duty	Replace Excise duty,VAT/Sales Tax by GST
Sales/VAT (Value Added Tax)	Replace Excise duty,VAT/Sales Tax by GST
Octroi	To be deleted

The present tender is floated with Pre-GST regime. The Modification in line with GST Act will be bound to all the bidders

**(i) UGVCL VENDOR REGISTRATION SHOULD BE ATTACHED WITH TECH. BID.**

Sr.No.	Class of Vendor Regis.	Minimum Experience in years	Under ground work of 11 KV XLPE cable in the area of <b>SIDHPUR DO</b>
1	CLASS-A	5 YEARS	Can participate in tender of the erection work of HT/LT/TC line for any amount tender invited through limited/open/n-code by division/circle.Vendor registration mandatory.
2	CLASS-B	3 YEARS	Can participate in tender of the erection work of HT/LT/TC line for any amount up to Rs. 10 lacs, tender invited through limited/open/n-code by division/circle.Vendor registration mandatory.
3	CLASS-C	1 YEARS	Can participate in tender of the erection work of HT/LT/TC line for any amount up to Rs. 5 lacs. tender invited through limited/open/n-code by division/circle.Vendor registration mandatory.

*Save Energy for Benefit of Self and Nation*



Executive Engineer  
Sidhpur

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Contractor's Signature.

  
**Uttar Gujarat Vij Company Ltd.**  
**SPECIFICATIONS**

**For erection work of 11 KV Transmission lines.LT distribution lines and transformer sub-stations.**

**ERECTION OF HT AND LT LINES.:**

**(a) Site** clearing and tree cutting which come in the way of line will be done by the contractor at his cost. Any claim for compensation in above respect will have to be borne by the contractor.

**(b) Fixing :** Pole position :The position of pole structures guys and earthings will be fixed by the department and shown to the contractor. He shall adhere to these locations in all circumstances unless. Directed by the department to make any change.

**(c) Pole setting :**

Where poles are set in good solid ground the depth of pit shall be 1/6 the height of the pole and for grounds of any other nature depth of the pit shall be decided by the department. The poles and guys must not be set at the edge of cut/at shore/ embankments where soil is liable to be washed or eroded out such setting should be avoided while back filling, the each must be packed tight and in no case must earth be dumped to greater depth than four inches without being rammed hard before the next layer is thrown in extra earth should be packed around the poles and rammed. The cost of damage done to the pole during the erection will be recovered from the contractor. No pole which is out of plumb or out of alignment shall be accepted. The contractor will keep the poles and other materials in his safe custody in erected and he is liable to compensate to the Company the full cost of same along with supervision charges, if the pole is broken during the erection or stolen from him custody. He should be able to render full account of the poles entrusted to him whenever the supervising officer demands to scrutinizes the same.

**1. Erection of Complete Single Pole Structure.**

Erection of single pole structure comprises of shifting of pole from the place in the village to the site of actual work in that village excavation of pit erection in position (with base place where required) of 26' to 33' PSC poles 60 lbs/Yds. 30' to 42' long rail or suitable size girder or any other suitable pole fitting up clamps and cross arms and fabricated materials etc. Complete as per drawing inclusive of numbering fixing of caution Company and anticlimbing device. All size of Bolts and Nuts required should be used by the contractor at his cost. All the fabricated materials such as cross arms clamps turn buckles etc. fitted on the PSC poles of RCC poles should be painted first coat with red lead paint and then two coats of aluminum paint. The tendered has to use all the paints at his cost and should got approved by the Engineerin- charge before use.-Do- same as item No.1 (a and also including painting of steel poles)

**2. Special two poles structures.**

Special two poles structures such as for HT line tapping Railway crossing any other HT, LT or telephone line crossing, terminal structure comprises of excavation of suitable pits and refilling of earth, erection in position of two numbers 26' to 33' PSC poles 60 lbs/Ybs 30' to 42' long rails or any other suitable poles fitting of clamps and cross arms. Cross bracing etc. as per drawing inclusive of mounting H.G.Fuses (or A B Switch or HT metering equipments etc. numbering, fixing of caution Board and anticlubming device. The D.P. must be properly aligned and must be special structure if included will be erected as per drawing supplied. A size of bolts and nuts required for fitting the fabrication should be used by the at his cost including painting as per item No.1.

**3. Stringing of Conductors.**

This includes stringing of standard and solid bare conductors with fitting has necessary HT/LT pin and strain insulators, binding on insulators, jumpering jointing, The jointing in HT line will be done by twisting sleeve joints as per standard practice, Care must be taken in handling the conductor must not be drawn over tough or rocky ground, where it is liable to be damaged Alluminium and ACSR conductors must be drawn on wooden or alluminium pulleys only the conductor or coil must not be dropped Westage and



cutting should be avoided as far as possible, Not more than 5% scrap will be accepted in the material account drawing to the proper tension. The sag and spans will be maintained as per drawing and design. The cross arms and insulators must be so fixed that neither sags or bends in any position. The rate quoted should be per conductor route kilometer. The span and sag. However may vary according to sizes of poles available but these dimensions will be specified by the field Engineer before commencement of work.. The sagging should be uniform for all conductors and uneven sagging will not be allowed.

#### **4. Stringing of Continuous Earth Wire.**

Where required the stringing of G.I. Wire No. 1 or S.W.G. is to be carried out for continuous earth wire and sag should be kept appropriate as per the conductor and continuous earth wire should be fixed on cross arm by using "Oll" size bolts nuts and washers. The required bolts nuts and washers should be used by the contractor at his cost. All the fabricated cross arms fitted on the pole should be connected to the earth wire by G.I.Wire.

#### **4.(a) Guarding.**

The guarding will have to be provided between crossing of HT and LT lines below the entire railway crossing. At the crossing at the crossing to telephone or telegraphs line (Licensee's HT and LT lines are passing below Company's HT line) road crossing and such other places as indicated by the department. The work comprises of fixing of guard cross-arms, eye bolts guard cradle as per design. Binding cross arms must be used where the HT line crosses the road. A clearance of 20 ft. must be available for all road crossing. The poles for road crossing must be concreted. The work has to be carried out as per drawings specially prepared for the purpose Guarding for railways crossing is to be carried out as per instructions of the Engineer-in-charge.

#### **5. Erection of Stay set.**

The erection of stay comprises of excavation of pit of 2'x2'x4' depth burying stay rods anchor plate, fixing of turn buckle binding of GI Stay wire. The stay insulators must be inserted in the stay wire on all stays as per drawing. The wrapping of the Guy wire strands at both ends at the stay insulator must be even and must present neat appearance and good workmanship. No stay should be left loose but should be tight and straight to withstand any cyclone or stand storm. The item includes refilling of earth and painting paint should be used by the contractor at his cost. If the guys are not required to be concreted, a pre-casted cement concrete block will be supplied by the department at his divisional store at Patan which the contractor will have to transport at his cost to the site of work and will have to use for fixing the guy rod rate includes transportation and using the same in place of cement concreting of the guy. If the block is damaged during transport the cost of same will be recovered from the contractor.

**6.** Cement concreting for rail of R.S.J. pole or stay rod should be carried out in preparation 1:3:6 i.e. one part of cement three part of washed river sand and six part of well burnt brick-bat of 1x 1FF" size metals. The mixture should be prepared on the GI sheets and should be free from the dust the river sand, cement and the metal or brickbat should be used by the contractor at his cost.

**7.** Concreting for muffing of poles or stay rods should be as per item No. 6 above and size of the boxing provided should be Dia. Of 1.5 feet X height 3 feet and 1.5 feet should remain below the ground level and 1.5 feet should remain above the ground level.

#### **8. Earthing**

A pit of 2'x2'x6' is to be dug about 3' away from the pole on which earthing is required to be carried out. The earthing pipe supplied should be erected in the pit and should be hammered in the ground as far as possible and G.I.Wire for earthing should be bolted with the pipe and should be connected with earth wire of the pole by means of bolt 10 kg. of common salt and coal-dust should be provided per earthing by the contractor at his cost. Bolts nuts and washers should be used by the contractor at his cost.

#### **9. Erection of Pole Mounted Transformer Center.**

This work includes erection of special two pole structure as per item No.2 and fixing of all





fabricated materials for support of line, L.A.H.G. fuses. A.B. switches transformer L.T. Dist. Box etc. The work includes of transportation and hoisting of transformer fixing of H.G. fuses A.B. switch L. As Distribution Box bilding numbering and V.I.R. or P.V.C. wiring and prodding two earthings as per the specifications and the instructions of the Engineer-in-charge including painting.

(a) Up to and including 100 KVA

(b) –do- as above but transformer above 100 KVA capacities.

**10. (A) Painting of Transformer Structure & Febrication of New erected pole for new lines :**

All the galvanized fabricated materials to be used on the structure for transformer & new erected pole for new line will be provided by UGVCL.

**(B)** The Fabrication to be used for augmentation, renovation and modernization of existing line and sub station should be painted first with on coat of red oxide and then with two coats of good quality of alluminium paint should be applied by the contractor at his cost. The paint should be got approved by the Engineer in charge before use.

**11. Testing of material provided by contractor**

The materials supplied by the contractor as per the schedule-B must be tested & approved by recognized inspector of UGVCL.

12. While work Execution contactor's can not take any help from applicant/beneficiary.

Signature of Contractor

Executive Engineer  
Sidhpur

**: GENERAL INSTRUCTION TO TENDERERS ::**

**1.0** Online tender are invited for the work of **erection of HT/LT line & T/C** at various S/Dn office under division office Sidhpur from the contractors/firms who have executed works of similar nature and magnitude successfully and who are registered under class A & B under IPDS / DDUGJY.

**2.0** Tender documents are in two bids system i.e. "Technical Bid" and "Price Bid".

**2.1** Bidder has to submit tender in one Envelop and in this two different covers should be put. One cover mentioning **Technical bid** on it & another cover mentioning **Commercial Bid** on it. If we receive envelop that do not have two separate sealed covers than those bids are liable to be rejected. Technical bid should be submitted with documents as under, failing which tender is liable for rejection.

- (i) Solvency certificate issued from any Nationalized Bank amounting to sum equivalent of estimated cost .
- (ii) Separate EPF code No. allotted by RPFC & Last Six month of current year EPF Challan paid copy is required.
- (iii) The Vender Registration certificate in appropriate class as contractor in UGVCL require. The vender registration fees paid challan /receipt attached by bidder will not be acceptable.
- (iv) Latest income tax clearance certificate. With PAN card.
- (v) Labour license certificate.
- (vi) Experience :-Contractor should produce evidence of executing similar nature & magnitude of work i.e. **Erection of HT-LT line & T/C work** from any DISCOM of GUVNL. The Experience certificate of minimum 3 Yr. and satisfactory completion of work ; issued by Executive Engineer of respective division is require.
- (vii) Group Insurance A copy of the insurance policy of the insured laborer's under W.C. Act.
- (viii) Details of equipments available with the tendered & Tools & tackle Certificate
- (ix) Turn over details year wise on CA Letterhead At least 2 years.
- (x) Copy of the last three annual work orders of erection of HT/LT line & T/C of any Distribution Company is required.
- (xi) GST Registration certificate / Number is required.
- (xii) Govt. license to electrical contractor issued by Govt. of Gujarat is required.

The above documents should be submitted in form of attested true copies along with technical bid. If any documents are not submitted by bidder than do not consider those bidder proposal & do not open price bid of those bidder.

**2.2** Both "Technical" & " Commercial" bid should be submitted in one common envelope super scribing the name of the work and tender opening date etc.

**3.1** Technical bid shall be opened on date ..... at **11.00** hrs. (If possible) in the presence of the bidders, who remains present at that time.

**4.0** Earnest money deposit of **1%** of Tender amount should be deposited in form of DD of Nationalized Bank in favor of **UTTAR GUJARAT VIJ COMPANY LIMITED** drawn on any scheduled Bank, payable at Sidhpur. No any tender accepted without EMD. The date of D.D of EMD should be in between 10 days from the last date of receipt of tender.

**5.0** Bidders should complete the tender documents in all respects and they are to be signed with Company's seal on all pages.



**6.0** The bidders shall submit their offer without any deviations in general terms and conditions of the contract or in Technical specification/items. Tenders of such departing, may also be rejected. Incomplete and conditional tenders shall not be considered. Any Tender found with overwriting /correction on the rate will not be accepted.

**7.0** UTTAR GUJARAT VIJ COM.LTD. reserves the right to split up the work covered in the scope of this contract amongst more than one contractor.

**8.0** Intending bidders should submit their tenders after studying all tenders documents carefully and visiting the site for satisfying themselves of actual site conditions, location and accessibility of site and nature, extent of the work involved etc.

Submission of tenders implies that bidders have obtained all necessary information and other data required for executing the work. No claim for extra charges on account of any misunderstanding or otherwise will be allowed.

**10.0** All approaches to the site shall be in the scope of bidders.

**11.0** Bidders will not be allowed to give sub-contract of the works awarded to in for any, reasons what so ever without permission of the Engineer-in charge.

**12.0** In the experience certificate, contractor has to furnish the details of similar works executed by him along with the list of equipments, tools and tackles and manpower available with him along with the details of the same, which he intends to deploy on site of the work.

**13.0** After opening of "Technical bid" no revised price bid from any bidders will be accepted.

**14.0** Price quoted shall be firm, till overall completion of the work, under contract and there will not be any price escalation.

**15.0** Date of opening of "Price Bid" will be intimated later on to those Bidders who are qualified in technical bid. "Price bid" of only qualifying bidders on the basis of Technical bid shall only be opened. Price of bidders, who are not qualified technically as per requirement of technical bid shall not be opened.

**16.0** Offers shall be valid for the period of 120 days from the date of opening of price bid. Tenders shall not withdraw tenders during the validity period, failing which their EMD shall be forfeited during the said period of 120 days.

**17.0** All the works shall be carried out as per specifications attached with the tender and relevant Indian Standard issued by Bureau Indian Standards. All materials procured should be confirming to relevant Indian Standard issued by Bureau of Indian Standard.

**18.0** Tenders, which do not fulfill all or any of the conditions of the tender of in complete in any respect, are liable to rejection.

**19.0** UTTAR GUJARAT VIJ COMPANY LTD, reserves the right to reject any or all tenders without assigning any reason thereof.

**20.0** Income Tax at prevailing rate will be deducted as per income Tex Act.



**21.0** The 90% amount of RA / Final Bill for the execution of the work/ supply will be paid. The with held amount of 10% will be paid after complete inspection of Third party inspection and Nodal inspector.

**22.0** If any work will not be executed by contractor fully / partly due to non providing of materials by UGVCL ,than the amount at appropriate rate will be deducted from the contractors bill , as the amount of non execution of works is already included in the rate of order.

**23.0** Terms & condition & other relevant documents is required .

**24.0** D.D. for EMD should be kept with “technical bid” only .

**25.0** Tender without payment of tender fee will not be accepted.

**26.0** Delay /late receipt of tender will be rejected.

**27.0** Successful bidder should have to pay security Deposit should be paid through D.D of any Nationalized/ Schedule Bank in favor of Utter Gujarat Vij Company Ltd.” payable at Sidhpur.

**28.0 Penalty:** - For delay in work / supply occurring on account of reasons other than force majeure as accepted by DGS&D the contractor will be liable to of penalty at a rate of 0.5% per week subject to maximum 10% of bill value. The condition of delay part of existence of force majeure condition will have to be given.

**Signature of Contractor**  
**Name Seal, Details address**  
**With phone/fax.**

**Executive Engineer**  
**Sidhpur**