

Save Energy for Benefit of Self and Nation

**UGVCL**  
**Uttar Gujarat Vij Company Ltd.**



## E-Urja Purchase Requisition No:-342042; RFQ No:-47016

Executive Engineer, UGVCL, MEHSANA D.O. invites On-line Tenders for Erection of HT,LT Line & TC work under Jotana. Tender Papers & Specifications may be **downloaded** from Web site <https://ugvcl.nprocure.com> (To view, down load and on-line submission) and UGVCL web site [www.ugvcl.com](http://www.ugvcl.com) (To view & down load only). Tender fee may be paid along with submission of tender and its receipt to be kept in the cover containing **EMD**, for respective tender. "All the relevant documents of tenders to be submitted physically" will be received only by Registered Post A.D. or Speed Post addressed to **Executive Engineer, UTTAR GUJARAT VIJ COMPANY LTD., DIVISION OFFICE, MEHSANA** "NO COURIER SERVICE OR HAND DELIVERY" will be allowed. The Agency must have registration in appropriate class with the UGVCL and have executed work of similar nature and magnitude successfully, prior to the date of opening of technical bid of the tender otherwise their bids will not be considered eligible for technical scrutiny and as such, their technical bids will not be opened.

Estimate cost.	Rs. 1000000.00
Earnest Money.	Rs. 10000.00
Security Deposit.	Rs. 50000.00
Last date of online submission of tender	Date :- 17/02/2018 upto 18:00 Hrs.
Last date of physical submission of tender	Date :- 21/02/2018 upto 15:00 Hrs.
Date of opening the tech. bid	Date :- 23/02/2018 at 12:00 Hrs.
Date of opening the price bid	Date :- 26/02/2018 at 12:30 Hrs. (If Possible )
Type of tender	Item Rate.
Tender Fee	Rs. 1000.00
Time Limit.	12 months

Earnest money deposit will be accepted in cash or by demand draft on any schedule bank at MEHSANA in favour of UTTAR GUJARAT VIJ COMPANY LIMITED, cheques or Bank guarantee will not be accepted.

Tender received through RPAD will be accepted.

SUPDT.ACCTT.  
UGVCL, DO, MEHSANA

EXECUTIVE ENGINEER  
UGVCL, DO, MEHSANA

**SCHEDULE : B**Name of work : Erection of H.T., L.T Line & T/C. Work for Jotana S/Dn.

Memorandum showing items of Erection work with rates quantity &amp; amount.

Sr. No.	Description of Work	Estimate Qty.	Unit	TENDER RATE in Figure	Total
1	2	3	4	5	6
1	HT TAPPING FROM THE EXISTING POLE INCLUDING FIXING OF CROSS ARMS,CLAMPS, ANIT-CLIMBING DEVICES, DANGER BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS AND NUMBERING COMPLETE WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.990100001</b>	40	NO	278	<b>11120.00</b>
2	ERECTION OF HT PSC POLES OF 10 Mtr X 270 KG INCLUDING EXCAVATION OF PIT AND REFILLING OF EATH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, INSULATORS ETC, COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTING. APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902010002</b>	20	NO	1815	<b>36300.00</b>
3	ERECTION OF HT PSC POLES OF 8 Mtr X 200 KG INCLUDING EXCAVATION OF PIT AND REFILLING OF EATH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, INSULATORS ETC, COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902010001</b>	40	NO	675	<b>27000.00</b>
4	ERECTION OF LT PSC POLES OF 8 Mtr X 200 KG INCLUDING EXCAVATION OF PIT AND REFILLING OF EATH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, INSULATORS ETC, COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902010001</b>	70	NO	675	<b>47250.00S</b>

5	ERECTION OF STEEL POLES OF <b>9 TO 11</b> METERS INCLUDING EXCAVATION OF PIT AND REFILLING OF EARTH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, DANGERS BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF STEEL POLE, FABRICATED MATERIALS USED ON THE POLE AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902010003</b>	20	NO	1120	<b>22400.00</b>
6	ERECTION OF STEEL POLE OF <b>150X150X13</b> METERS FOR RAILWAY CROSSING ON BG/MG/NG LINE FOR 0.400/11/22KV OVER HEAD LINES I.E. INCLUDING EXCAVATION OF PIT & REFILLING OF EARTH, FIXING CROSS ARMS, TOP FITTING CLAMPS, ANTI-CLIMBING DEVICES DANGERS BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF STEEL POLES, FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902010005</b>	10	NO	1315.00	<b>13150.00</b>
7	ERECTION OF DOUBLE POLES STRUCTURE OF 8 Mtr X 200 KG PSC POLES INCLUDING EXCAVATION OF PITS & REFILING OF EARTHING, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAIMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902020001</b>	10	NO	1650.00	<b>16500.00</b>
8	ERECTION KOF DUOUBLE POLE STRUCTURE OF 10 METERS PSC POLE INCLUDING EXCAVATION OF PITS & REFILLING OF EATH, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAIMPS, ANTI-CLIMBING DEVICES DANGERS BOARDS, INSULATORS ETC. COMPLETE & PAINTING OF POLES, FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902020025</b>	2	NO	4030	<b>8060.00</b>

9	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES OF 8 Mtr X 200 KG PSC POLES INCLUDING EXCAVATION OF PITS AND REFILING OF EARTH, FIXING OF CHANNELS SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES, DANGER BOARDS, INSULATORS, DO FUSES ETC. COMPLETE AND PAINTING OF FABRICATED MATERISL USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD LSPECIFICATION BUT EXCLUDING OF ERECTION OF GUY SET AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902020003</b>	4	NO	1810.00	<b>7240.00</b>
10	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES 9 TO 11 METERS STEEL POLES INLDUING EXCAVATION OF PITS AND REFILLING OF EATH, FIXING OF CHANNEL, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES, DANGERS BOARDS, INSULATORS, ETC. COMPLETE AND PAINTING OF POLES FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICIATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902020010</b>	2	NO	2370.00	<b>4740.00</b>
11	ERECTION OF DOUBLE POLES STRUCTURES WITH MOUNTING OF AB SWITCH, HG FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX ETC. OF 8 Mtr X 200 KG. PSC POLES INCLUDING EXCAVATION OF PITS AND REFILING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES, DANGER BOARDS, CONDUCTOR AND CABLES WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902030003</b>	24	NO	5360.00	<b>12864.00</b>

12	ERECTION OF DOUBLE POLES STRUCTURES WITH MOUNTING OF AB SWITCH, HG FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX ETC. OF 10 Mtr X 270 KG. PSC POLES INCLUDING EXCAVATION OF PITS AND REFILING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTICLIMBING DEVICES, DANGER BOARDS, CONDUCTOR AND CABLES WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITH COST OF PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902030003</b>	2	NO	7430.00	<b>14860.00</b>
13	ERECTION OF DOUBLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX 9 TO 11 METERS STEEL POLES INCLUDING EXCAVATIONS OF PITS & REFILING OF EARTH CARTING OF TRANSFORMERS FROM STORE TO SITE, FIXING OF CHANNELS SUPPORTING ANGLES, BRACING, CORSS ARMS CLAMPS, ANTICLIMBING DEVICES, DANGERS BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF POLES FABRICATED MATERIALS USED ON THE POLES AND NUMBERING AS PER STANDARD SPECIFCATION BUT EXCLUDING ERECTIONS OF GUY SETS AND EARTHING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902030007</b>	20	NO	6160.00	<b>123200.00</b>
14	ERECTION OF GUY SET INCLUDING EXCAVATION OF PITS & REFILING OF EARTH AS PER STANDARD SPECIFICATION WITH STAY CLAMPS, STAY WIRE ANCHOR ROD, TURN BUCKLE, EYEBOT, GUY INSULATORS, CEMENT CONCRETE BLOCK ETC, BUT EXCLUDING CONCRETING.APPROVED QUOLITY PAINT AND NUT-BOLTS SHALL BE SUPPLIED BY THE CONTRACTOR. <b>Code No.9902040001</b>	280	NO	315.00	<b>88200.00</b>
15	CONCRETING OF POLES, GUYS, ETC. INCLUDING COST OF CEMENT SAND METAL (1:2:4) AND WATER ETC. AS PER STANDARD SPECIFICATION. <b>Code No.9905010001</b>	14	CMT	5900.00	<b>82600.00</b>
16	ERECTION OF COIL TYPE EARTHING INCLUDING COST OF COAL SALT ETC. BUT WITHOUT COST OF GI WIRE AS PER STANDARD SPECIFICATION. <b>Code No.9902040002</b>	400	NO	350.00	<b>140000.00</b>
17	ERECTION OF GI PIPE/CI PLATE TYPE EARTHING INCLUDING COST OF COAL SALT ETC. BUT WITHOUT COST OF PIPE/GI LPLATE GI WIRE AS PER STANDARD SPECIFIATION <b>Code No.9902040003</b>	60	NO	350.00	<b>21000.00</b>

18	STRINGING OF 30MM <sup>2</sup> ACSR/34MM <sup>2</sup> , 55MM <sup>2</sup> AAA CONDUCTOR FOR 11/22KV & LT LINES INLCUDING FIXING OF INSULATORS, BINDING JUMPERING ETC. <b>Code No.9903000001</b>	52	ONE COND PER KM	1240.00	<b>64480.00</b>
19	STRINGING OF GI WIRE 8 SWG INCLUDING BINDING JUMPERING ETC. <b>Code No.9903000003</b>	6	DO	700.00	<b>4200.00</b>
20	STRINGING OF DOG CONDUCTOR FOR 11/22KV LINES INLCUDING FIXING OF INSULATORS, BINDING JUMPERING ETC. <b>Code No.9903000001</b>	16	ONE COND PER KM	2730.00	<b>43680.00</b>
21	PROVIDING GUARDING TO HT LINE ON ROAD / RAIL CORSSING <b>C0de No.9906000001</b>	40	MTR	58.00	<b>2320.00</b>
22	LAYING OF OVER HEAD LT CABLE WITH SUPPORT WIRE SPAN <b>Code No.9911000017</b>	20	SPAN	165.00	<b>3300.00</b>
23	LT LINE TAPPING SINGLE PHASE( WHERE ADDITIONAL NUT BOLTS & FABRICATIONS/U- CLAMPS FITTING IS REQUIRED.) <b>Code No.9901000002</b>	28	NO	31.00	<b>868.00</b>
24	LT LINE TAPPING THREE PHASE( WHERE ADDITIONAL NUT BOLTS FABRICATIONS/U- CLAMPS FITTING IS REQUIRED.) <b>9901000003</b>	38	NO	67.00	<b>2546.00</b>
25	C- FORMATION <b>CODE : 9901000003</b>	20	NO	440.00	<b>8800.00</b>
				TOTAL	<b>922454.00</b>

- NOTE : (1) All types of required Nuts & Bolts shall be supplied by UGVCL ; but if not available in UGVCL Store then shall be supplied by the contractor and payment of nut-bolt shall be paid with erection bill separattly as per inventory taken by SDO.**
- (2) Paint shall be supplied by the contractor. Approved make paint like Nerolec, Burger or Asian shall only be applied.**

**Executive Engineer  
UGVCL, DO  
Mehsana**

**SCHEDULE : B – II**

Name of work :- Dismantalling of H.T./ L.T. line and T/C work (Shifting work) under Jotana **Sdn**

<b>Sr.No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>	<b>Total</b>
<b>26</b>	Dismantalling of HT tapping <b>Code No.9907000016</b>	NO	10	150.00	1500.00
<b>27</b>	Dismantalling of PSC Pole 10 mtr. Long with fabrication (HT) <b>Code No.9907000017</b>	NO	8	935.00	7480.00
<b>28</b>	Dismantalling of PSC Pole 8 mtr. Long with fabrication (HT) <b>Code No.9907000017</b>	NO	10	465.00	4650.00
<b>29</b>	PSC Pole 8 mtr. Long with fabrication (LT) <b>Code No.9907000017</b>	NO	10	465.00	4650.00
<b>30</b>	Dismantalling of Steel Pole 9 to 11 mtr. long with fabrication <b>Code No.9907000005</b>	NO	10	500.00	5000.00
<b>31</b>	Dismantalling of Steel Pole 13 mtr. ( 150X150 mm) Long with fabrication <b>Code No. 9907000006</b>	NO	10	588.00	5880.00
<b>32</b>	Dismantalling of DP Structure PSC Pole. <b>Code No.9907000019</b>	No	2	745.00	1490.00
<b>33</b>	Dismantalling of DP Structure RSJ Pole. <b>Code No.9907000004</b>	No	2	1040.00	2080.00
<b>34</b>	Dismantalling of DP Structure with D.O fuse PSC Pole <b>.Code No.9907000019</b>	No	2	810.00	1620.00
<b>35</b>	Dismantalling of DP Structure With D.O. fuse RSJ Pole. <b>Code No.9907000004</b>	No	2	1055.00	2110.00
<b>36</b>	Dismantalling of transformer centre with transformer (PSC Pole) <b>Code No.9907000007</b>	NO	9	2750.00	24750.00
<b>37</b>	Dismantalling of transformer centre with transformer (RSJ Pole) <b>Code No.9907000008</b>	NO	4	2750.00	11000.00
<b>38</b>	Dismantalling of Gay Set etc. <b>Code No.9907000014</b>	NO	15	130.00	1950.00
<b>39</b>	Dismantalling of Conductor etc. <b>Code No.9907000009</b>	KM	5	620.00	3100.00
<b>40</b>	Dismantalling of providing Guarding of HT/LT line on Road /Rail/Telephone crossing <b>Code No.9907000021</b>	NO	8	28.00	224.00
				<b>TotalRs.</b>	<b>77454.00</b>

Executive Engineer  
UGVCL, DO  
Mehsana

**UTTAR GUJARAT VIJ COMPANY LIMITED**

DIVISION OFFICE, MEHSANA

**ABSTRACT OF SCHEDULE – B**

1	Schedule -B (1)	Erection of H.T. & L.T. Line & T/C work	922454.00
2	Schedule -B (2)	Dismantalling of H.T. & L.T. Line & T/C work & Shifting work	77454.00
		TOTAL---->>>>>	999908.00
		Bidders's Offer(+/-)in %[B]	
		Grand Total[C=A+/(A*B)	
		Goods & Service Tax[D=C*GST%] (GST Rate:-----%) SAC Code:	
		Grand Total including GST[E=C+D]	
		Final Offer(in Rs.)	
		Final Offer (Rs.In Words)	
Total Rs.			

Executive Engineer  
UGVCL, DO  
Mehsana



## SPECIFICATIONS

For erection work of 11 KV Transmission lines.  
LT distribution lines and Transformer centers.

### 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 ant climbing device. All size of Bolts and Nuts required should be used by the contractor & will be paid with bill by UGVCL.

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 Engineer-in-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 anticlimbing 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 contractor & will be paid with bill by UGVCL

## **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 tills nor 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 Continue cuss 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 "Oil" size bolts nuts and washers. The required bolts nuts and washers should be used by the contractor & will be paid with bill by UGVCL. All the fabricated cross arms sifted 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 per-casted cement concrete block will be supplied by the department at his divisional store which the contractor will have to transport at his cost to the site of work and will have to use for fixing the guy road rate includes transportation and using the same in place of cement concerting 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 1 1/2" 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. 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 & will be paid with bill by UGVCL.

### **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. Painting of Transformer Structure.**

All the fabricated materials used on the structure including the poles, also should be painted first with on coat of red lead and then with two coats of good quality of aluminum paints should be applied by the contractor at his cost. The paint should be got approved by the Engineer-in-charge before use.

- (a) same as above vat for P.S.C. poles.

### **11. (a) Fixing of Street light Fixture.**

The work comprises of fixing of nipples, holders D.C. reflectors and wiring of the same the fixture should be fixed on the poles with two pairs of clamps and a kit kat fuse should be provided on the pole. All the materials required for the same will be supplied by the department from the store which the contractor will have to transport at his cost 3/8' size bolts and nuts should be sued by the contractor at his cost, for a type street light brackets.

- (b) -do- as above by for 'b' type brackets.

**Signature of Contractor**

**Executive Engineer  
Mehsana.**

### GENERAL

The work should be strictly as per specification and approved designs of the company, which can be supplied by the Engineer-in-charge for reference at the request of the contractor. The inferior and unsatisfactory work is liable to be rejected.

Before commencing the erection of lines the contractor will be provided with the schedule and the detailed layout. The work will have to be carried out as per programme laid down by department and under the entire supervision of field engineer and contractor should employ supervisor who could supervise the work through out and he should remain present on site.

Marshy or water logged location must be avoided as per as possible. It is becomes inevitable locate poles at such points, special precautions about foundation will have to be taken and work carried out as per instruction of the Engineer-in-charge.

The spans shall be specified in the poles schedule and the minimum spacing between the power conductors and conductors and neutral shall be as shown in approved drawings.

No tools will be supplied by the department. The work if found inferior and not to be standards of Company is liable to be rejected at the risk and cost of the contractor, any expenditure incurred for rectification work carried out departmentally or by employing hangamy labour will recovered from his R.A. Bills. If the contractor fails to rectify the inferior work done by him inspite of the instructions to rectify the same.

Contractor will have to submit the certificate of work of the IInd Class Wireman under whose under whose supervision the work has been carried out.

### IMPORTANT

Before starting the work (new alteration or addition) and during the works. The contractor must obtain line clear wherever necessary from the concerned officer of this Department or other during transport of erection non observance of rules the responsibility of the contractor.

All conductors Earth and stay set must be tight stay rod pit must be as per the specifications.

All the poles must be in plumb  
Fabrication fitting on pole must be tight  
Generally following span should be kept on HT line

(1) 28 Ft or 30 Ft. long \_\_\_\_\_ 250 Ft.

70/80 Meters Average

(2) 33 Ft long pole\_\_\_\_\_300 Ft.

All road crossing must be provided with bridging arrangement and minimum 22 Ft. clearance must be kept between conductor and road level.

LT lines, in open field with 5 wires will have at least span of 60 Meters on an average.

So long as line is not handed over to the company the responsibility of its safe custody of all the fixture and materials etc. lies with contractor.

### **PROCEDURE OF STORES**

#### **(A) ISSUE OF MATERIALS**

The following materials shall be supplied by the Company free of cost for use of the works contracted for and will be issued as and when required from Sub Divisional Store. The transport will have to be arranged by the contractor at his cost. (except PSC poles)

#### **LIST OF MATERIALS**

- (1) A.C.S.R. and all aluminum conductor
- (2) The poles will be supplied by Company within a radius of about 5 Kms. From the place of works.
- (3) HT/LT insulators with hardware.
- (4) Cross arms clamps bracing of required sizes
- (5) Stay wire G.I.Wire
- (6) Transformer, LT Dist. Box, HT/LT lighting arrestors, pipe fitting of transformer center wiring V.I.R. wire for transformer centres, H.G. Fuses, A.B. switches.
- (7) Danger Board, anti climbing device or barbed wire, earthing pipe.
- (8) Aluminum tape and binding wire P.G. Clamps.
- (9) Stay tighteners stay rods and stay block whenever necessary.
- (10) V.I.R. wire and reel insulators for overhead V.I.R. line narrow streets.
- (11) Street light work.

The rates quoted should be inclusive of transporting to site from the above store erection and setting to work.

The following materials will be supplied by the contractor at his cost for which no payment will be made.

1. Aluminum and red lead prints of approved quality.
2. Salt sand cock for earthing.
3. Paint for numbering.

**(B)** The quantities mentioned in schedule are approximately Actual quantities may increase or decrease according to the local condition. The department reserves the right for revising or omitting any of the quantities to be credited during the execution.

**(C)** The contractor will draw and will be given only those materials and in anticipated quantities that are just sufficient for the works to be carried out by him. The contractors should first intimate his requirement to the concerned field Engineer who will approve the list and as per this list, the materials can be drawn from the Stores.

**(D)** The materials will be issued to the contractor himself or his duly authorized representative only in case if any authority or power of attorney is to be ruminated. Action instruction in this respect

must be intimated by Registered post to the Executive Engineer and concerned sub-divisional officer.

(E) The contractor must get the approved requisition three days before he requires the materials on site from the Engineer-in-charge.

**Executive Engineer  
Mehsana**

All the above instructions stated above are accepted by me unconditionally.

**Signature of the Contractor.**

**: 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 MEHSANA from the contractors/firms who have executed works of similar nature and magnitude successfully.

**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. Also **Price Bid” shall be submit in “ON LINE” only.**

- (i) The Contractor must have UGVCL valid vendor Registration Certificate for participating in respective Tender and copy thereof must be attached with/in TECHNICAL BID.
- (ii) Solvency certificate issued from any Nationalized Bank amounting to sum equivalent of estimated cost (Minimum 5.00 Lacs)
- (iii) Separate EPF code No. allotted by RPFC & Last Six month of current year EPF Challan Paid copy is required.
- (iv) Income Tax & Service Tax :
  - a. Latest income tax clearance certificate for the year 2015-16 And/or 2016-17
  - b. Income tax at prevailing rate will be deducted as per income tax act
  - c. The rate shall be inclusive of PF and all other state/central government taxes, cess and levies but exclusive of GST. GST at prevailing rate if applicable will be reimbursed by UGVCL on production of GST paid challan.
  - d. GST registration number must be submitted with tender
- (v) For contractors should have carried out work for Erection of HT/LT line and X’mer, he has to produce certificate from concern division, stating that they have carried out work satisfactory. Experience certificate as per requirement for above work by authorized Officer – NOT BELLOW THE RANK OF EXECUTIVE ENGINEER - of Distribution Company under GUVNL.

- (vi) Group Insurance – copy of the insurance policy of the insured laborer’s under W.C. Act.
- (vii) Electrical contractor license is required.
- (viii) At least Rs. 8.00 Lacs turn over For the Year 2016-17 AND/OR of current year 17-18.
- (ix) Attested copy of power of attorney, if any, for signing the bid documents, if partnership firm/company.
- (x) Contractor should produce GST NO. & PAN CARD Copy.
- (xi) Tender Fee Amt. & EMD amount & DD No. & Date should be mentioned on Cover of Tender fee & EMD with Technical bid cover.
- (xii) In case of non-inclusion of any of the attachment with technical bid, the tender will be liable for rejection.
- (xiii) Payment of Bills will be made through REAL TIME GROSS SETTLEMENT (RTGS) System while submission of bill prescribed RTGS form shall have to be submitted for each Bill by Contractor/Agency.
- (xiv) Contractor shall have to work if required in jurisdiction of other Sub Division under Mehsana Division

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.

**3.0** 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 MEHSANA. 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 Tax Act.

**21.0** The rates are inclusive of PF and all other State/Central Government Taxes , cases and levies but exclusive of service tax .Service Tex @prevailing , if applicable will be reimbursed by UGVCL on production of service Tex paid challan.

**22.0** Any change in rate of Service Tex shall be entertained during contractual period of contract.

**23.0** The contractor shall disclosed service tax amount paid by him in the RA / Final bill raised for the execution of the work.

**24.0** The certified copy of service tax challan paid on RA /Final bill should be submitted to UGVCL for reimbursement.

**25.0** 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.



**26.0** 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.

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

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

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

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

**31.0** 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 MEHSANA. The Successful bidder shall have to pay 05% Security (work) Deposit of the tender cost, in cash within 10 days from the receipt of the acceptance order. In case successful bidder fails, his earnest money will be forfeited and order cancelled without issuing any notice

**32.0 Penalty:** - For delay in work / supply occurring on account of reasons other than force major 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 major condition will have to be given.

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

**Executive Engineer**  
**MEHSANA**