

**DIVISION OFFICE, VISNAGAR.**

**REQUI.NO.-402869**

**RFQ NO.-56491**

**TENDER 108/2019**

FOR ERECTION OF HT, LT LINE & T.C. WORK

**UNDER VISNAGAR-2 (O&M) S/DN**  
**DARK ZONE SCHEME**



**UTTAR GUJARAT VIJ COMPANY LIMITED, DIVISION OFFICE, VISNAGAR.****SCHEDULE.B- (I)****MEMORANDUM SHOWING ITEMS OF ERECTION WITH RATE QTY.& AMOUNT****Name of Work :-Erection of H.T.,L.T.&T.C For VISNAGAR-2 Sub Division DZ Scheme.**

Sr. No	DETAILS OF WORKS.	QTY.	UNIT.	RATE IN Rs.	Net Amount.
1	HT TAPPING FROM THE EXISTING POLE INCLUDING FIXING OF CROSS ARMS, CLAMPS ANTI-CLIMBING DEVICES, DANGERBOARD, INSULATORS ETC.COMPLETE AND PAINTING OF FABRICATED MATERIALS AND NUMBERING OF POLE, COMPLETE WITHOUT COST OF NUTS & BOLTS, PAINTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING <b>Code No.9901000001</b>	221	NO	313	69173.00
2	ERECTION OF PSC POLES INCLUDING EXCAVATION OF PIT AND ANTI-CLIMBING DEVICES, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE, WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.				
2A	8 MTR X 200 KGS. <b>Code No.9902010001</b>	210	NO	757	158970.00
2B	10 MTR X 270 KGS. <b>Code No.9902010002</b>	100	NO	1674	167400.00
3	ERECTION OF STEEL POLES OF 9 TO 11 METERS INCLUDING EXCAVATION OF PIT AND REFILLING OF EARTH, FIXING OF CROSS ARMS, TOP FITTING CLAMPS ANTI-CLIMBING DEVICES, DANGER BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLE AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING.. <b>Code No.9902010003</b>	50	NO	1268	63400.00
4	ERECTION OF STEEL POLE OF 13 METERS FOR RAILWAY CROSSING ON BG/MG/NG LINE FOR 0.400/11/22KV OVERHEADLINES I.E INCLUDING EXCAVATION OF PIT & REFILLING OF EARTH, FIXING CROSS ARMS, TOP FITTING CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARD, INSULATORS ETC. COMPLETE AND PAINTING OF, FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING. <b>Code No.9902010005</b>	50	NO	1453	72650.00

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5	ERECTION OF DOUBLE POLE STRUCTURE OF 8 METERS 200 KGpsc POLES INCLUDING EXCAVATION OF PITS & REFILLING OF EARTHING, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING. <b>Code No.9902010005</b>	10	NO	1720	17200.00
6	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES OF 8 MTRS 200 KG PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, FIXING OF CHANNELS SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES, DANGER BOARDS, INSULATORS, DO FUSES ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING OF ERECTION OF GUY SET AND EARTHING. <b>9902020001</b>	25	NO	2067	51675.00
7	ERECTION OF DOUBLE POLE STRUCTURE OF 10 METERS 200 KGpsc POLES INCLUDING EXCAVATION OF PITS & REFILLING OF EARTHING, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, INSULATORS ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING. <b>Code No.9902020025</b>	10	NO	3604	36040.00
8	ERECTION OF DOUBLE POLE STRUCTURE OF 9 TO 11 METERS. STEEL POLE INCLUDING EXCAVATION OF PITS & REFILLING OF EARTH, FIXING OF CHANNELS, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, INSULATORS ETC. COMPLETE & PAINTING OF, FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING. <b>9902020010</b>	10	NO	2485	24850.00
9	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES, 13 METERS STEEL POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, FIXING OF CHANNEL, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES, DANGER BOARDS, INSULATORS, ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING. <b>9902020001</b>	4	NO	3080	12320.00

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10	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH,HG FUSES, 9 TO 11 METERS STEEL POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, FIXING OF CHANNEL, SUPPORTING ANGLES, CLAMPS, ANTI-CLIMBING DEVICES , DANGER BOARDS, INSULATORS, ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SET AND EARTHING. <b>9902020001</b>	10	NO	2712	27120.00
11	ERECTION OF DOUBLE POLE STRUCTURES WITH MOUNTING OF AB SWITCH,HG FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX ETC. OF 8 METERS 200 KG AND PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING. <b>Code No.9902030003</b>	30	NO	5900	177000.00
	ERECTION OF SINGLE POLE STRUCTURES WITH MOUNTING OF AB SWITCH,HG FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX ETC. OF 8 METERS 200 KG AND PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING WITHOUT COST OF NUTS & BOLTS PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING. <b>9902030003</b>	2	NO	2949	5898.00
12	ERECTION OF DOUBLE POLE STRUCTURES WITH MOUNTING OF AB SWITCH,HG FUSES, TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX ETC. OF 10 METERS *270 KG AND PSC POLES INCLUDING EXCAVATION OF PITS AND REFILLING OF EARTH, CARTING OF TRANSFORMERS FROM STORES TO SITE, FIXING OF CHANNELS, SUPPORTING ANGLES, BRACINGS CROSS ARMS CLAMPS, ANTI-CLIMBING DEVICES DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS, PAINT AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTION OF GUY SETS AND EARTHING.. <b>Code No.9902030003</b>	10	NO	7203	72030.00

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13	ERECTION OF DOUBLE POLE STRUCTURE WITH MOUNTING OF AB SWITCH, HG FUSES TRANSFORMERS, LIGHTENING ARRESTORS, DISTRIBUTION BOX 9 TO 11 METERS STEEL POLES INCLUDING EXCAVATION OF PITS & REFILLING OF EARTH CARTING OF TRANSFORMERS FROM STORE TO SITE, FIXING OF CHANNELS SUPPORTING ANGLES, BRACING, CROSS ARMS, CLAMPS, ANTICLIMBING DEVICES, DANGER BOARDS, CONDUCTOR AND CABLE WIRING ETC. COMPLETE AND PAINTING OF POLES FABRICATED MATERIALS USED ON THE POLES AND NUMBERING OF POLE WITHOUT COST OF NUTS & BOLTS AS PER STANDARD SPECIFICATION BUT EXCLUDING ERECTIONS OF GUY SETS AND EARTHING. <b>Code No.9902030007</b>	4	NO	6899	27596.00
14	ERECTION OF GUY SET INCLUDING EXCAVATION OF PITS & REFILLING OF EARTH AS PER STANDARD SPECIFICATION WITH STAY CLAMPS, STAY WIRE, ANCHOR ROD, TURN BUCKLE, EYEBOLT, GUY INSULATOR, CEMENT CONCRETE BLOCK ETC. BUT EXCLUDING CONCRETING WITHOUT COST OF NUTS & BOLTS <b>Code No.9902040001</b>	200	NO	364	72800.00
15	ERECTION OF COIL TYPE/ CI PLATE TYPE EARTHING INCLUDING COST OF COAL SALT ETC WITHOUT COST OF NUTS & BOLTS BUT WITHOUT COST OF GI WIRE AS PER STANDARD & SPECIFICATION ( 10 KG SALT+10 KG COAL) <b>Code No.9902040002</b>	200	NO	419	83800.00
16	ERECTION OF GI PIPE/CI PLATE TYPE EARTHING INCLUDING COST OF COAL SALT ETC, WITHOUT COST OF NUTS & BOLTS BUT WITHOUT COST OF PIPE/GI PLATE GI WIRE AS PER STANDARD SPECIFICATION. (20 KG SALT+20 KG COAL) <b>Code No.9902040003</b>	100	NO	491	49100.00
17	STRINGING OF 30MM <sup>2</sup> ACSR/34MM <sup>2</sup> , 55MM <sup>2</sup> AAC CONDUCTOR FOR 11/22KV & LT LINES INCLUDING FIXING OF INSULATORS, BINDING JUMPERING ETC. <b>Code No.9903000001</b>	60	ONE COND. PER KM	1373	82380.00
	ERECTION OF STREET LIGHT FIXTURE COMPLETE WITH CLAMPS, BRASS NIPPLES, BRASS HOLDERS TACK WOOD BRUSH, REFLECTORS FUSE, WIRING ETC WITHOUT COST OF NUTS & BOLTS AS PER STANDARD SPECIFICATION BUT EXCLUDING COST OF MATERIALS. <b>9902040002</b>	200	NO	227	45400.00
18	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>	20	CMT	5900	118000.00
19	LT LINE TAPPING- SINGLE PHASE WITHOUT COST OF NUTS & BOLTS. <b>Code No.9901000002</b>	250	NO	32	8000.00
20	LT LINE TAPPING- THREE PHASE WITHOUT COST OF NUTS & BOLTS. <b>Code No.9901000003</b>	200	NO	59	11800.00
21	PROVIDING GUARDING TO HT LINE ON ROAD/ RAIL CROSSING WITHOUT COST OF NUTS & BOLTS <b>Code No.9906000001</b>	100	MTR.	58	5800.00

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22	PROVIDING GUARDING OF LT LINES ON ROAD/RAIL CROSSING WITHOUT COST OF NUTS & BOLTS. <b>Code No.9906000001</b>	100	MTR.	58	5800.00
23	STRINGING OF DOG CONDUCTOR FOR 11/22KV & LT LINES INCLUDING FIXING OF INSULATORS,BINDING JUMPERING ETC. <b>Code No.9903000001</b>	5	ONE COND. PER KM	3162	15810.00
24	ADDITIONAL COST FOR EXCAVATION OF PIT IN HARD ROCK AREA FOR ERECTION OF POLE/ GUY ETC. AS PER STANDARD SPECIFICATION OVER & ABOVE NORMAL COST COVERED AGAINST EXCAVATION OF PIT UNDER NORMAL SOIL FOR ERECTION OF POLE,GUY, DOUBLE POLE STRUCTURE EARTHING WITH THE APPROVAL OF SUPDT.ENGINEER. <b>Code No.9501260021</b>	200	NO	234	46800.00
25	STRINGING OF LT ABC OF FOLLOWING SIZES INCLUDING FITTING OF ALL ACCESSORIES i.e. SPECIAL DESIGN SUSPENSION/TENSION CLAMP FIXING OF CROSS ARM, LT SCHECKLE INSULATOR ETC FOR FIXING OF MESSENGER WIRE COMPLETE, AS REQUIRED AND DIRECTED BY ENGINEER INCHARGE. (EXCLUDING COST OF ACCESSORIES) (1) 1X35 MM <sup>2</sup> +1X25MM <sup>2</sup> (2) 1x35mm <sup>2</sup> + 1X35mm <sup>2</sup> OR ANY SIZE OF 1PH2W LT AB CABLE <b>CODE-9913000016</b>	2	KM	5883	11766.00
26	STRINGING OF LT ABC (3.5 CORE) OF FOLLOWING SIZES INCLUDING FITTING OF ALL ACCESSORIES i.e.SPECIAL DESIGN SUSPENSION/TENSION CLAMP FIXING OF CROSS ARM, LT SCHECKLE INSULATOR ETC FOR FIXING OF MESSENGER WIRE COMPLETE, AS REQUIRED AND DIRECTED BY ENGINEER INCHARGE. (EXCLUDING COST OF ACCESSORIES) (1) 3X50MM <sup>2</sup> + 16MM <sup>2</sup> + 1X35MM <sup>2</sup> (2) 3X50MM <sup>2</sup> + 16 MM <sup>2</sup> + 1X25MM <sup>2</sup> OR ANY SIZE OF LT 3.5 CORE AB CABLE. <b>CODE-9913000017</b>	2	KM	14707	29414.00
27	STRINGING OF 11 KV ABC OF FOLLOWING SIZES INCLUDING FITTING OF ALL ACCESSORIES i.e. SPECIAL DESIGN SUSPENSION/TENSION CLAMP FIXING OF CROSS ARM, BINDING TO PIN INSULATOR, PREPARING SCHACKLE POINT JUMPERS ETC , AS REQUIRED AND DIRECTED BY ENGINEER INCHARGE. (EXCLUDING COST OF ACCESSORIES) (1) 3X95MM <sup>2</sup> +1X80MM <sup>2</sup> (2) 3X70MM <sup>2</sup> +1X70MM <sup>2</sup> OR ANY SIZE OF LT 3.5 CORE AB CABLE. <b>9913000017</b>	2	KM	28994	57988.00
29	Dismantling of HT Tapping with Fabrication credited at Store <b>Code No.9907000016</b>	12	NO	157	1884.00
30	DISMANTLING OF 8 MTR PSC POLE IN USABLE CONDITION WITH CREDITING OF FABRICATION AT STORE & STACKING OF POLE AT SAFE AND ON ROAD SIDE <b>Code No.9907000017</b>	25	NO	511	12775.00
31	DISMANTLING OF 10 MTR PSC POLE USABLE CONDITION WITH CREDITING OF FABRICATION AT STORE & STACKING OF POLE AT SAFE AND ON ROAD SIDE. <b>Code No.9907000017</b>	25	NO	1028	25700.00
32	DISMANTLING OF 9-11 MTR GIRDER POLE USABLE CONDITION WITH CREDITING OF FABRICATION AT STORE & STACKING OF POLE AT SAFE AND ON ROAD SIDE . <b>Code No.9907000005</b>	25	NO	634	15850.00

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33	DISMANTLING OF 13 MTR GIRDER POLE USABLE CONDITION WITH CREDITING OF FABRICATION AT STORE & STACKING OF POLE AT SAFE AND ON ROAD SIDE Code No.9907000006	25	NO	726	18150.00	
34	Dismantling of DP Structure PSC Pole Fabrication credited at Store & Stacking of pole at safe & road side Code No.9907000019	25	NO	860	21500.00	
35	Dismantling of DP Structure ON 10 MTR Pole Fabrication credited at Store & Stacking of pole at safe & road side WITH TRANSFORMER Code No.9907000004	22	NO	3600	79200.00	
36	Dismantling of DP Structure with ab switch Fabrication credited at Store & Stacking of pole at safe & road side Code No.9907000019	2	NO	1033	2066.00	
37	DISMANTLING OF TRANSFORMER CENTRE ( 8 MTR PSC POLE) WITH CREDITING OF FABRICATION & TRANSFORMER AT STORE & STACKING OF POLE AT SAFE AND ON ROAD SIDE (With Transformer), POLE & TRASNFORMER SHOULD BE IN CONDITION AS IT WAS. Code No.9907000007	2	NO	3025	6050.00	
38	DISMANTLING OF TRANSFORMER CENTRE ( 8 MTR PSC POLE) WITH CREDITING OF FABRICATION AT STORE & STACKING OF POLE AT SAFE AND ON ROAD SIDE (Without transformer) TRASNFORMER SHOULD BE IN CONDITION AS IT WAS Code No.9907000008	2	NO	2057	4114.00	
39	Dismantling of Guy Set Fabrication credited at Store & Stacking of pole at safe & road side Code No.9907000014	25	NO	182	4550.00	
40	Dismantling of Existing HT/LT line (34 mm <sup>2</sup> to 55mm <sup>2</sup> conductor) and crediting to store. Conductor has to dismental from shackle to shackle pole, with mimimum nos. of cut piece as instruction of engineer incharge. Code No.9907000009	15	Per Cond. Per Km	686	10290.00	
41	Dismantling of Existing HT/LT line (Above 55mm <sup>2</sup> size conductor) and crediting to store. Conductor has to dismental from shackle to shackle pole, with mimimum nos. of cut piece as instruction of engineer incharge. Code No.9907000009	4	Per Cond. Per Km	1580	6320.00	
42	Dismantling of Providing Gurdng of HT,LT line on Road/rail/telephone Crossing Code No.9907000021	55	NO	29	1595.00	
44	Dismantling of DP Structure RSJ Pole Fabrication credited at Store & Stacking of pole at safe & road side 9907000008	2	NO	1242	2484.00	
	Fixing of 11kv Straight joint kit suitable for 11kv Arial bunch cable 70 to 120sqmm complete as per the instructions of E.I.C ( M-Seal or Raychem -Make CPRI approved ) 9902030007	20	NO	1041	20820.00	
	Fixing of 11kv Outdoor cable Box suitable for 11kv Arial bunch cable 70 to 120sqmm complete as per the instructions of E.I.C ( M-Seal or Raychem -Make CPRI approved ) 9902030007	4	NO	1041	4164.00	4164
	<b>Total Labour charge (A)</b>				<b>1865492.00</b>	

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SUPPLY MATERIAL PART B					
1	Providing & fixing Heat Shrinkable type Cable Jointing kit suitable for 11 KV 3C x 70 sqmm AB Cable for Outdoor Termination application(M-Seal or Raychem -Make CPRI approved) <b>ITEM CODE 9703010005</b>	15	NO	3460	51900.00
2	Providing of 11kv Straight joint kit suitable for 11kv Arial bunch cable 70 to120 sqmm (M-Seal or Raychem -Make CPRI approved) <b>ITEM CODE 9703010003</b>	10	NO	7000	70000.00
3	Self tightening anchoring (Dead end) clamp with pole bracket using Stainless Steel Strap & Buckle <b>ITEM CODE 9703010005</b>	15	NO	135	2025.00
4	Self locking Suspension Clamp with pole bracket using Stainless Steel Strap & Buckle <b>ITEM CODE 9703010003</b>	45	NO	150	6750.00
5	Pre Insulated mid span joints for phase & neutral for 16 sq mm to50mm2 <b>ITEM CODE 9703010005</b>	10	NO	135	1350.00
6	Stainless Steel of Size Strap 20mm*0.7mm & Buckle width 20 mm <b>ITEM CODE 9703010005</b>	20	NO	38	760.00
					132785.00
<b>TOTAL</b>					<b>1998277.00</b>
<b>TOTAL (Labour charge (A) + Materials Cost (B))</b>				<b>TOTAL</b>	<b>1998277.00</b>

**In words Rupees Ninety Lacs Ninety Eight Thousand two Hundred seventy seven Only**

Total Rs.(A)  
Bidder's officer (+/-) in %B  
Grand total C=A+/(A\*B)

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Goods & Service Tax (D=C\*GST%)  
(GST Rate .....%)  
SAC Code:  
Grand total including GST(E=C+D)  
Final order (in Rs.)  
Final order (Rs.in words)

I/am we/are willing to carry out the work at \_\_\_\_\_% above /below \_\_\_\_\_ percent (should be written in figures and words) of the estimated rates mentioned above. Amount of my/our tender works out as under

\* Estimated amount put to tender

Rs. 1999475.00

Deduct : \_\_\_\_\_ %below Rs. \_\_\_\_\_

\* Estimated amount put to tender

Rs. 1999475.00

Add : \_\_\_\_\_ %above Rs. \_\_\_\_\_

Net Rs. \_\_\_\_\_ Total Rs. \_\_\_\_\_  
In words \_\_\_\_\_ In words \_\_\_\_\_

{\* Strike whichever is not applicable. }

Signature of contractor With seal

Executive Engineer  
U.G.V.C.L. Visnagar  
Division

## 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

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**ASSURING THE BEST SERVICES TO OUR VALUED CONSUMERS**

E:\tender\new tender nov-19\visnagar\ETENDER FOE MONTH OF NOV 2019\37 SR NO 01 ERECTION OF HT LT LINE TC WORK UNDER VISNAGAR-2 SDN DARK ZONE SCHEME -.doc

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 get 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 anticlubbing 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 tills 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 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 "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 sited 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 visnagar 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 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. Painting of Transformer Structure.**

All the fabricated materials used on the structure including the steel 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.

Signature of Contractor

Executive Engineer  
Visnagar

**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 Visnagar from the contractors/firms who have executed works of similar nature and magnitude successfully and who are registered under appropriate class.

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

**2.1 Bidder has to submit Technical bid** One cover mentioning **Technical bid** on it & with name of works. The price bid should be submitted on line under E-tender Link N-procure only .  
 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 twice sum 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 **AA class** as contractor in UGVCL require. The Vender registration fees paid challan /receipt attached by bidder will not be acceptable

(iv) Income Tax & GST:

a. Latest income tax clearance certificate for the year 2014-15 And/or 2015-16/or 2017-18.

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 .

d. The GST/Service at the prevailing rate should be paid as per the rules.

Contractor shall have to pay whatever applicable taxes prevailing at the time of placement Of order execution of work /Bill payment etc."Since the tender in respect of this LOA/AT was floated under Pre GST Regime, this OA/A/T is issued considering Pre GST (Old Tax Structure), the supplier has to provide the details of ITC claimed/available under GST for supply of items under this OA/A/T duly certified by a practicing chartered accountant. The content, manner and formal of submission of ITC details will be intimated to the supplier in due course of time, the 20% payment of supply along with GST after adjusting the quantum of ITC shall be made against SR Note and on receipt of details of ITC in the prescribed formal duly certified by a practicing Chartered Accountant

e. The L1 shall have to give under taking on his letter pad as under:

-We ,the supplier/contractor of GUVNL/or subsidiary company hereby unconditionally agree to transfer the amount as determined as the benefit available to us in the form of higher input tax credit due to introduction of GST LAW.

-We hereby unconditionally agree that GUVNL /or subsidiary company has the absolute Right to recover the net amount so determined from payments by GUVNL /or subsidiary Company by way of clause no.....of Statutory Variation and clause no.....of excise duty of our AT/WO/PO which has been agreed to and accepted by us & also as per the clause 171 of the GST law referring to Anti-Profiteering Law wherein the Govt has made it compulsory to transfer the benefits on account of higher ITC available due to introduction of GST to the consumers.

f. Regarding conditions of Tax, it will be binding to the contractor at relevant times.

(v) Experience :-Contractor should produce evidence of having experience in executing similar nature & magnitude of jobs preferably photo copy of orders secured from UGVCL and satisfactory



completion certificate from respective department.& Certificate as per requirement for **erection of HT-LT line & T/C work** by authorized officer of Distribution Company. Minimum **5 years** Experience certificate require.

- (vi) Group Insurance A copy of the insurance policy of the insured laborer's under W.C. Act.
- (vii) Details of equipments available with the tendered & Tools & tackle Certificate
- (viii) Electrical contractor license or wireman certificate with engineer registration is required.
- (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) Contractor should produce GST NO. & PAN CARD Copy.
- (xii) 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..
- (xiii) Govt. license to electrical contractor issued by Govt. of Gujarat is required.
- (xiv) Labour license certificate.

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** "Technical" 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 **Rs. 20000.00** 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 Visnagar. 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.



9.0 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.

16.0 A:-The “price bid “ should be submitted through ON LINE under n-code solution web site only . Price bid in physical form will not be accepted.

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. The rates are inclusive of PF and all other State/Central Government Taxes , cases and levies.

21.0 Any change in rate of GST shall be entertained during contractual period of contract.

22.0 The contractor shall disclosed GST amount paid by him in the RA / Final bill raised for the execution of the work. The certified copy of GST challan paid on RA /Final bill should be submitted to UGVCL for reimbursement.

**23.0** 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.

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

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

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

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

**28.0** 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 VISNAGAR.

**29.0 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**  
**Visnagar.**