

**UGVCL**  
UTTAR GUJARAT VIJ COMPANY LIMITED

Division Office, -I PALANPUR-385001

**PR .NO.- 324229**

**RFQ NO.- 44443**

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

**E-Tender Notice No: UGVCL/PLNCO/WORK-SUPPLY/**

**TENDER**

E-Tender for : Erection of HT,LT Line & T/C work of HT Line **FOR DDUJGY** scheme under **Dantiwada S/Dns.**

(1)	Estimated Cost.:-	RS. 1000000.00	
(2)	Earnest Money Deposit:-	Rs. 10000.00	
(3)	Security Deposit :-	5% of Order Value	
(4)	Last Date & Time of Receiving (online) of Tender:-	Date:- 09-08-2017	Time upto 15.00 PM
(5)	Physical submission of document (BY RPAD/speed post only )	DT: 10-08-2017	Time upto 15.00 Hrs
(6)	Date & Time of Opening of Tender.(If Possible)	Date:-11-08-2017	Time at 17.00 PM.if possible or later
(7)	Tender Fee :- (Non Refundable)	Rs. 1000.00 + 18 % GST	
(8)	DD No.& Date.	No.	Dt.
(9)	Time Limit:-	1 Year	
(10)	Page 1 to 13		

Tender fee with GST ( 18 % ) & E.M.D will be accepted in by demand draft on any schedule Bank at Palanpur in favour of "UTTAR GUJARAT VIJ COMPANY LIMITED".Cheques or Bank Guarantee will not be accepted.

Tender received through RPAD only will be Accepted.

Supdt.A/c(Exp)  
Palanpur-DO-1.

Executive Engineer,  
UGVCL,Dvn.No.1,  
PALANPUR.

To be Filed in the Tender.

- (1) Tended Value :  
(To be filed by the Contractor) Rs. \_\_\_\_\_
- (2) Earnest Money Deposit  
Paid vide DD No. \_\_\_\_\_ Date \_\_\_\_\_ Rs \_\_\_\_\_
- (3) Sales Tax No. \_\_\_\_\_

**Date :- \_\_\_\_\_**  
**(4) UGVCL VENDOR REGISTRATION SHOULD BE ATTACHED WITH TECH. BID**

## UGVCL, PALANPUR DVN. NO.1

### SCHEDULE-B

**Work : Erection of HT,LT Line & T/C work Mamorandum showing items of Erection work with rates quantity and amount For **FOR DDUJGY SCHEME** S/Dn. Dantiwada S/DN.**

Sr. No.	Description of works	Estimate Quantity	Unit	Tendered rate		Total Amount
				In figure	In Words	
1	2	3	4	5	6	7
1(a)	Tapping from Existing pole including fitting of clamps Cross arms Insulators & painting of iron parts as per drawing & specification for HT Line	55	NO.	278.00	Rupees Two Hundred Sevanty Eight Only	15290.00
1(b)	LT Line Taping Single Phase.	20	NO.	31.00	Rupees Thirty One Only	620.00
1©	LT Line Taping Three Phase.	10	NO.	67.00	Rupees Sixty Seven Only	670.00
2	Erection of single pole structure comprising of excavation of pit and refilling of earth with cast iron base plates with top Insulators, Cross arm etc. complete as per drawing and specification with painting numbering and fixing of caution board, and std. Barbed wire 1 KG per Pole of approved quality by the contractor.					
	(A) PSC Pole 8 Mtr. Long 140 Kg./200 Kg.	330	NO.	675.00	Rupees Six Hundred Seventy Five Only	222750.00
	(B) Steel Pole 40 to 90 lbs 30 to 42 feet.	8	NO.	1120.00	Rupees One Thousand One Twenty Only	8960.00
	(C) PSC Pole 10 MT long 270 Kg.	8	NO.	1815.00	Rupees One Thousand Eight Hundred Fifteen Only	14520.00
3	Erection of special two pole structure such as tapping Railway Crossing structure and river crossing and structure for strain point with base plate X-arm, cross					

	bracing etc. complete as per drawing and specification with painting numbering fixing of cauti					
	(a) PSC Pole 8 Mtr.long with DO Unit	8	NO.	1650.00	Rupees One Thousand Six Hundred Fifty Only	13200.00
	(b) PSC Pole 8 Mtr.Long without DO Unit		NO.	-	-	-
4	Stringing of ACSR and alluminium conductor with Insulator binding, Jumpering and joining etc. as per specification and drawing.					
	(A) Stringing of conductor 34 to 55 mm2 size for HT & LT Lines.	42	KMS.	1240.00	Rupees One Thousand Two Hundred Fourty Only	52080.00
5	Conversion of LT Line to HT Line i.e. removing of LT Line, Conductor, LT Shackle Insulator, LT Shackle Bolt, U-Clamps etc. and crediting removed material to store and providing HT Line Materials i.e. HT Conductor, V-Xarm, Pin Insulator, G.I.Pin etc.	40	Per Pole	370.00	Rupees Three Hundred Seventy Only	14800.00
6	Erection of Stay set Complete as per drawing and specifaation with stay clamps, stay wire, turn buckle, guy insulators and cement blocks, including supply of Bolts & Nuts by the contractor.	430	NO.	315.00	Rupees Three Hundred Fifteen Only	135450.00
7	Erection of ear thing plate type Inclusive of coke, salt, water etc. as per drawing and specification.	637	NO.	350.00	Rupees Three Hundred Fifty Only	222950.00
8	(A) Erection of guarding with cross arms, bolts wire etc. complete as per specification for HT Line.	423.103	Rmt.	58.00	Rupees Fifty Eight Only	24539.97
	(B) - do - for LT Line.					
9	Erection of Transformer 25 KVA to 100 KVA with two pole structure Arrestors, switches distribution box, pipe wiring as per drawing and specification including 2 KG, Barbed wire by the contractor.					

	(A) PSC Pole Structure.	45	NO.	5360.00	Rupees Five Thousand Seven Hundred Eighty Four Only	241200.00
10	Dismantling of Pole.	20	NO.	465.00	Rupees Four Hundred Sixty Five Only	9300.00
11	Dismantling of Conductor.& Cr.in Store	15	KMS.	620.00	Rupees Six Hundred Twenty Only	9300.00
12	Dismantling of Transformer Center.with PSC Pole & fabrication with cr. In store.	4	NO.	2750.00	Rupees Two Thousand Seven Hundred Fifty Only	11000.00
13	Augmentation of existing Transformer, upto 100 KVA Including dismantling erection change of Dist. Box, Cables wiring of the same and transporting from & to PALANPUR RSO etc. complete.	3	NO.	1100.00	Rupees One Thousand One Hundred Only	3,300.00
	<u>Remarks.</u> (1) All Type of Bolts,Nuts,Washer,Barbad wire paint to be Provided by UGVCL (2) Split bolts Earthing also to be provided by the UGVCL (3) Store centre will be at Palanpur RSO					
TOTAL Rs. 1000000/-						
Rupees Ten Lakh(s) Only						

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. 10,00,000.00

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

Net Rs. \_\_\_\_\_

In words \_\_\_\_\_

\* Estimated amount put to tender

Rs. 10,00,000.00

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

Total Rs. \_\_\_\_\_

In words \_\_\_\_\_

{\* Strike whichever is not applicable.}

Signature of contractor With seal

Executive Engineer  
U.G.V.C.L. PALANPUR  
Division No 1

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## FICATIONS:

For erection work of 11KV/22KV H.T. transmission lines, LT Distribution lines and transformer sub-stations

1. Erection of H.T. lines:

- (a) Site clearing and tree cutting will be done by the contractor at his cost. The company will assist the contractor in getting necessary permission for tree cutting etc. Any claim for compensation in above respects will have to be borne by the contractor.

(b) Fixing of positions:

The position of poles structure guys and earthings will be fixed by the department and shown to the contractor. He should 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 1/6th height of the pole and for grounds of any other nature depth of pit shall be decided by the Department. The poles and guys must not be set at the edge of cuts or embankments where the soil is liable to be washed or eroded out. Such settings should be avoided. While back filling the earth must be packed tight and in no case must earth be dumped of a greater depth than our inches without being rammed hard before the next layer is thrown in. The cost of damage done to the pole during erection will be recoverable from the contractor no pole which is out of plumb shall be accepted for recording the measurement for work carried out. The poles once handed over to the contractor will be in his safe custody till erected and he is liable compensate to the company the full cost of pole along with supervisor changes if the pole is broken during erection, or stolen from his custody. He should be able to render full amount of the poles entrusted to him whenever the supervising officer demand to scrutinize the same.

(d) Erection of complete single structure:

Erection of single pole structure comprises of excavations of pit and refilling of earth, erection in position of 28 to 33 PSC pole, 60 lbs/ yds to 90 lbs/yd/30 to 42 long rail or suitable size girder or any other suitable pole, fitting of clamps and cross arms, fitting of insulators etc. complete as per drawing, inclusive of painting numbering fixing of caution board ant climbing device.

- (e) Special two pole structure such as for HT line tapping railway crossing any other HT LT or telephone line crossing terminal, structure, structure for transformer sub-station comprises of excavation of suitable pits and refilling of earth erection in position of two Nos. 28 to 33 PSC poles 90-lbs/yd to 90 lbs/yd 30 to 42 long rails of any other suitable poles fitting of clamps and cross arms, bracing cross bracing etc. as per drawing exclusive of mounting transformer but inclusive of mounting D.O. fuses painting numbering fixing of caution Board and anti-climbing device. The D.P. must be in plum. Special structure of included will be erected as per drawing supplied.

(f) Stringing of conductors:

This includes stringing of stranded and solid bare conductors with fitting of necessary HT IT pin and strain insulators; binding on insulators jump ring 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 to protect against cuts,

Scratches or kinks. The conductor must not be drawn over rough or rocky ground when it is liable to be daaged Aluminum and ACSR conductors must be drawn on wooden or Alu. Pulleys only. The white

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conductor or coil must not be dropped wastage and cutting should be avoided as far as possible. Not more than 5% scrap will be accepted in the material account to be submitted by the contractor. It is important that the conductor must be drawn to the proper tension. The sag and spans will be maintained as per drawing and design. The cross arm and insulators must be so fixed that neither tilts or bends in position. The span and sag however may vary according, to sizes of poles available but these dimensions will not 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. Stringing of V.I.R. line: This consists of VIR wire of different sizes such 3/20 to 7/16 complete with G.I. bearer wire and reel insulators interspaced at a distance of 3 ft.

(g) Erection of stay set:

The erection of stay set comprises of excavation of suitable pit of 4 depth burying stay rods anchor plate fixing of stay clamp on pole fixing of turn buckle, binding of G.I. 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 and at stay insulator must be even and must be present neat appearance and good workmanship. No stay should be left loose but should be tight and straight to withstand any cyclone or sand storm.

(h) Earthing:

The arrangement shall be of pipe type earthing as indicated in the drawing. The earthings are to be done at places as indicated in the pole schedule or as selected by the field Engineer. The coke and salt will have to be supplied by the contractor at his cost. Size of pit 2"x2"x6" Mixture of salt and coal dust 5kg. each total 10kg.

(i) Guarding:

The guarding will have to be provided between crossing of HT and LT lines below all the railway crossings at the crossings of telephone or telegraph lines and such of places as indicated by the department. The work comprises of fixing of guard, cross arms, eye bolt, guard cradle as per design, GI cross lacing wires complete/ Any special type of guarding if required will be designed and erected by the department. Bridling cross arms must be used where the HT line crosses the road, A clearance of 20' must be available for all Road crossings. The poles for road crossings must be contracted.

(j) Painting and numbering:

Rail poles and girder poles shall be given one coat of approved red lead paint and two coats of approved allu. Paint. All steel mounting also painted in a manner shown above. The bolts and nuts shall be dipped in anti corrosive oil before insertion. The lower position of steel poles up to 3 feet above ground level shall be cleaned of all dust. This surface should be given a base coat red lead and an additional coat of block bituminous paint before inserting in the ground The paints will be supplied by the contractor and should be Jenson Nicholson or Asian Paints or such other well known make and will be got approved from Executive Engineer prior to starting work. All poles should be numbered in block figures of 3" size with a good paints. The paint for numbering should be of weather proof type and got approved in advance.

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(k) Concreting:

Brickbat Cement Concreting: Cement concrete for concreting of poles and stay rods should be one part cement, three parts of specified quality sand and six parts of burnt brick bats (1:3:6) The concreting should be done on all strain angle ,deal end D.P. Structure, Road and Telephone crossings and as directed on other locations.

(l) Muffling:

Concrete for Muffling of poles and stay rods should be cement one part sand three parts and six parts metal (1:3:6) muffling is not to be done for PSC poles. Sand shall be clean and composed of hard siliceous grains, It shall be free from clay or organic matter. Metal should be of sound hard and durable stone size  $\frac{1}{2}$ " to  $\frac{3}{4}$ " sieve.

(m) Mixing of concrete:

Unless otherwise specified the concrete shall be in above proportion and should be thoroughly mixed at least three times in dry state before water is added and as far as possible a fairly wet mixture must be used. All concrete must be mixed on water tight platform . In any case, the work when finished must be absolutely true inline and level and finished off smooth .One finishing coat, of cement plaster should be applied on outer surface of the muffling, the concrete block when slightly dried should be kept wet continuously for period of 10 days. The locations for concreting will be decided by the Engineer in charge and the contractor will follow his instructions scrupulously. If the concreting work is not found as per the specification and quality ,the same is liable to be rejected . The brick bat concreting or cement concreting work has to be done. In the presence of company representative only and work done in his absence will be rejected and no payment made therefore. The contractor will be supplied cement by the department and the cost of the cement will be recovered from the contractor at the rate of Rs.6000/- per metric ton. All the empty bags will have to be returned to department in good condition otherwise a recovery of Rs.1.00 per bag will be made. The sand, metal brick bats shall be supplied by the contractor. The normal size of concreting of pole will be 5" x2'x2  $\frac{1}{2}$ ' that for stay 2x2x2' Muffling for poles shall be 12" dia 2"-0" (1' above and 1' below ground ) Muffling for stay shall be 12" dia x 2".0' (1' above and 1' below ground ) The concreting and muffling shall be carried out by the contractor in presence of field Engineer or his representative to ensure that correct quantities are used.

2. TRANSORMER CENTRE:

The transformer centre will be of out door type on two pole structure as per standard drawing and comprises of:

1. One set of H.T.D.O. fuses.
2. 11/22 KV 25 to 1000 KVA transformer complete with its accessories.
3. One set of HT lightening arrestors.

4. One set of LT lightning arrestors.
5. One dist Box pipes, VIR wires, cross arms and bracings earthing as per drawing etc..
6. Stays with insulators, painting numbering dangers board, anti climbing device. The independent separate pipe type earthings should be provided on either side of the T/C each consisting of one or more earth connections from lightning arrestors transformer neutral transformer tank tank dist. Box etc.. The cost of damage done to the transformer is recoverable from contractor.

**GENERAL:**

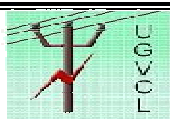
The work should be strictly as per specifications and approved designs of the company. The inferior and unsatisfactory work is liable to be rejected. The detailed specifications and structural drawings can be supplied for reference at the request of contractor. The work will have to be carried out as per programme laid down by department and under the entire instruction of field engineers and contractor should employ supervisor who could supervise the works through out and he should remain present on site. No tools will be supplied by the department. The work is found inferior and not up to standards of the 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 harmony labour will be recovered from his R.A. Bills of the contractor if the contractor fails to rectify the inferior work done by him insists of instructions to rectify the same. Contractor will have to submit the certificate work of the 2nd class wireman 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 for the concerned officer of this department or other department. For any damage done to the men. Materials or property due to non observance of rules, the responsibility will be of the contractor.

**SIGNATURE OF THE CONTRACTOR.**





**:: GENERAL INSTRUCTION TO TENDERERS ::**

- 1.1 On line Tenders are invited for the work of erection of HT/LT line & T/c. at Chandisar S/Dn office under division office PALANPUR-1 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 Technical bid is to be submitted in a separate sealed envelope and super scribing the envelope as "Technical Bid". 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 (Minimum 5.0 Lacs)
  - (ii) Separate EPF code No. allotted by RPFC & Last Six month of current year EPF Challan paid copy is required.
  - (iii) Latest income tax clearance certificate.
  - (iv) Experience certificate as per requirement for erection of HT-LT line & T/C work by authorized officer of Distribution Company more than 10 lacs in any last five financial year.
  - (v) Detail Experience certificate based on work done and payment done against the respective annual work orders for erection of HT-LT line & T/C work by authorized officer of Distribution Company
  - (vi) Group Insurance copy of the insurance policy of the insured laborer's under W.C. Act.
  - (vii) Details of equipments available with the tendered.
  - (viii) Electrical contractor license as and when required .
  - (ix) **UGVCL VENDOR REGISTRATION ( for class "A" & "B" ) SHOULD BE ATTACHED WITH TECH. BID**
  - (x) Tools & tackle Certificate.
  - (xi) At least Rs. 10 Lacs turn over required in bank Statement.
  - (xii) Copy of last two year experience of erection of HT/ LT line & T/C of any Distribution Company is required. If all tenders received with less experience then E.E. or S.E. will decide to accept or reject the tenders as per his discretion.
  - (xiii) Proof regarding payment of Tender Fee and EMD.  
The above documents should be submitted in form of attested true copies along with technical bid.
- 2.2 The sealed price bids comprising of Schedule-'B' should be submitted in only online by e-tendering.
- 2.3 Both "Technical" bid should be submitted in one common envelope super scribing the name of the work and tender opening date etc.

- 3.0 Earnest money deposit of Rs. 10000.00 should be submitted in form of Demand Draft in favor of UTTAR GUJARAT VIJ COMPANY LIMITED drawn on any scheduled Bank, payable at PALANPUR
- 4.0 Bidders should complete the tender documents in all respects and they are to be signed with Company's seal on all pages.
- 5.0 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.
- 6.0 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.
- 7.0 The rates shall be quoted both in words and figures as per unit specified in schedule-'B' and it should be sticker by the transparent cello tape. In case of any discrepancy between the rates quoted in words & figures, rate quoted in words will prevail.
- 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.
- 9.0 All approaches to the site shall be in the scope of bidders.
- 10.0 Bidders will not be allowed to give sub-contract of the works awarded to him for any, reasons what so ever without permission of the Engineer-in charge.
- 11.0 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.
- 12.0 After opening of "Technical bid" no revised price bid from any bidders will be accepted.
- 13.0 Price quoted shall be firm, till overall completion of the work, under contract and there will not be any price escalation.
- 14.0 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.
- 15.0 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.

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- 16.0 Cement will be issued as per Company existing rates.
- 17.0 Materials will be issued strictly as per requirement & not in lot
- 18.0 Concrete slabs will be supplied from our store.
- 19.0 "0.50 "ps. Per cu ft will be paid below the 2 feet or ground level for the rocky soil against the certificate of Dy. Engineer in charge/verification by concern D.E. tech of PALANPUR div No 1.
- 20.0 Rs.50/- will be charged extra if tender will be sent by post.
- 21.00 Due care should be taken while doing the work, If any accident will occurred to your employee/personal while working than it will be your responsibility. Company will not be responsible for payment of any claims due to such accident
- 22.0 Contractor should observe labour laws as per prevailing rules of Govt. of Gujarat.
- 23.0 Tree Branches should be trimmed such a way that distance of nearby conductor and trimmed branch must remain 5' Horizontal and 5' vertically.
- 24.0 Pin binding of Pin Insulator must be with double strand of conductor.
- 25.0 Each and every shackle pole must be re jumpered with formation of 'D'.
- 26.0 Old material removed from line (If any) must be credited in PALANPUR Divn. Store.
- 27.0 All tools, tackles used in maintenance will be provided by contractor.
- 28.0 Transportation of labour for the work should be done by contractor.
- 29.0 If necessary order of one S/Dn. Will be transferred to other S/Dn. Depending upon requirement of UGVCL PALANPUR-1
- 30.0 The clearance as per I.E rules must be maintained.
- 31.0 For any dispute jurisdiction of legal will be at PALANPUR..
- 32.0 If the Tenderer/Bidder/Contractor would stand lowest while opening of the tender ,He will be intimated by the competent authority with separate letter & will have to provide their skilled Labours gang within week time & He would have to report in written through respective SDO. Otherwise Second lowest bidder will be given chance at the rate of lowest-1.
- 33.0 The contractor should have to keep permanently Skilled labours gang in respective Sub-Division for each annual order. If Concern SDO will report that Erection work is delayed due to non availability of skilled labour, Per day Rupees 5000.00 (Five thousand) Penalty will be deducted.

34.0 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.

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

36.0 UTTAR GUJARAT VIJ COMPANY LTD, reserves the right to reject any or all Tenders without assigning any reason thereof.

### 37.0

1. **Income- Tax at prevailing rate will be deducted as per Income Tax Act.**

2. **The rates shall be inclusive of PF and all other State will be reimbursed by UGVCL on paid challan.**

3. **GST applicable as per Govt. rules & notification as per effect from 01.07.2017**

#### **GST NO./PAN Number**

(A) **GST** NO. And Date must be mentioned in tender.

(B) PAN Number and date must be mentioned in tender.

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:

<b>Name of Terms &amp; Conditions</b>	<b>To be added/amended</b>
<b>Tender Fee</b>	<b>Plus applicable GST</b>
<b>Prices</b>	<b>Replace Excise Duty,VAT/Sales Tax by GST</b>
<b>Excise Duty</b>	<b>Replace Excise Duty,Sales Tax/Vat by GST</b>
<b>Sales/VAT(Value Added Tax)</b>	
<b>Octroi</b>	<b>To be deleted</b>

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

Signature of contractor

With seal

Executive Engineer

U.G.V.C.L.

PALANPUR DO-1