

Tender No: DHR/AB/TECH/26-27/31 Dtd: 24/06/2026

Tender for ARC work of Providing & Fixing of FRP Fencing around Distribution Transformers center in all schemes at various locations of village under jurisdiction of Kaprada Sub Division under Dharampur division.

Bidder has to upload scanned copies of original (Notarized / self-attested copies of original as specified in tender document) documents with bid and no physical documents to be called form bidder.

Dakshin Gujarat Vij Company Ltd.
DHARAMPUR DIVISION OFFICE
RAJ MAHEL ROAD DHARAMPUR-396050.

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INSTRUCTIONS TO THE BIDDER

Earnest Money Deposit (EMD) is to be paid as under:

1% E.M.D. of Rs.**30,00,000.00** per bidder is payable. The EMD is payable either 100% of EMD amount by Demand Draft in favour of DGVCL on any Scheduled / Nationalized Banks in DHARAMPUR

Where ever Bank Guarantee(s) is/are to be submitted towards SD Performance Guarantee against warrantee etc., DGVCL would accept Bank Guarantee issued by following banks:

- a) All public sector Nationalized banks.
- b) Private sector banks authorized to undertake Government businesses which are IDBI bank; Axis Bank; HDFC bank & ICICI bank.
- c) Commercial banks
 - Kotak Mahindra Bank
 - IndusInd Bank
 - RBL Bank
 - Baroda Gujarat Gramin Bank
 - DCB Bank
 - IndusInd Bank
 - Nutan Nagarik Sahakari Bank Ltd.
 - Rajkot Nagarik Sahakari Bank Ltd.
 - Saurashtra Gramin Bank

1) Submission of EMD & Tender Fee

during office hours: on or before

14/07/2026 at 11.00 Hrs. in the Office of EE, DGVCL Rural Division Office DHARAMPUR by RPAD/SPEED POST only.

- 2) Payment of Tender Fee & EMD can be accepted by RTGS/NEFT & receipt of RTGS/NEFT shall have to upload with the Bid.
- 3) In case of cash payment (up to Rs.10000/-) the scanned copy of cash receipt shall have to be uploaded with the Bid.
- 4) In case of payment through DD/Banker's Cheque, the scanned copy of original document shall have to be uploaded with the Bid. The original copy of DD/Banker's Cheque to be submitted at office address specified in Tender before time mentioned above otherwise Bid will be rejected.
- 5) For payment of Tender Fee & EMD through RTGS/NEFT Account No of DHARAMPUR Dn, DGVCL is 92990200001298.

B.G of Bank other than above banks will not be accepted.

Cheques are not acceptable. Corporate Bank Guarantees Not Allowed.

Small Scale Industries will, however, be considered for exemption from payment of EMD subject to furnishing of the authenticated notary certified copy of the certificate of Registration with Small Scale Industries. The SSI / NSIC certificate should indicate the manufacture of items offered. Provisional SSI Registration Certificates are NOT allowed.

Government or Semi-Government Organizations, which are run departmentally & are not limited Companies, will be eligible for exemption from payment of E.M.D.

Tender Papers & Specifications may be down loaded from web site <http://www.DGVCL.nprocure.com> (For view, down load and on line submission) and DGVCL web site www.DGVCL.com. **(For view & download only)** Tender fee, EMD payment and the details etc. May be submitted along with submission of tender in EMD cover.

"Bidder has to upload scanned copies of original (Notarized / self-attested copies of original-as specified in tender document) documents with bid and no physical documents to be called from bidder."

The tender documents should reach the office on or before date and time mentioned. No tender shall be accepted /opened in any case after due date and time of receipt of tender irrespective of delay due to postal services or any other reasons and that DGVCL shall not assume any responsibility for late receipt of the tender.

No Interest will be allowed against payment of Earnest Money Deposit. Copy of Money Receipt or DD for payment of tender fee, Vendor Registration fee & EMD must be placed in the Cover super scribing "EMD Cover" along with requisite documents as mentioned in the EMD condition. (EMD and Tender Fee cover should be kept as separate enclosure & should be submitted with Technical Bid.) First EMD Cover will be opened and if EMD cover documents found OK as per requirements of tender only then Technical Bid will be opened.

The tender document is to be submitted in single cover super scribing tender number and name of tender and containing two separate envelope namely "EMD Cover " and "Technical & Commercial bid" cover which includes commercial terms & conditions duly signed and stamped by bidder with all enclosures of the tender documents.

Bidders shall submit Price Bid On-Line only and not in physical form.

[1] TECHNICAL AND COMMERCIAL BID:

The technical and commercial bid shall comprise all the technical details offered in accordance with DGVCL specifications / drawings, guaranteed technical particulars and all the commercial terms and conditions to be submitted duly signed & stamped on each page.

The EMD Cover, Physical Technical and Commercial Bid and On-line technical bids shall be opened on date and time as mentioned in Tender Notice.

Please note that the required documents should be invariably submitted with tender copy. Any tender without scanned documents is liable to be ignored. The tender bid will be rejected outright without entering in to any further correspondence in this regard and no further reference will be made.

[2] Following documents are to not be submitted in physical form but scanned and submitted online only.

[A] Tender fee and EMD cover containing the following:

Proof of Tender fee – Copy of money receipt of tender fee paid in demand draft of tender fee, DD for Earnest Money Deposit (EMD), of total EMD amount in original and DD of 50% of total EMD amount, Vendor Registration document & List of orders executed.

[B] Technical & Commercial Bid cover:

- (i) **Annexure 1 to 5 in chronological order only.**
- (ii) **Guaranteed Technical Particulars & Drawings.**
- (iii) **Notarized abridged copy of balance sheet for last 1 year.**
- (iv) **Certified copies of ISO certificate (Preferably), Factory License, EPF Reg. No.**
- (v) **Certificate – A**
- (vi) **Copy of Tender Document duly signed and stamped on each page.**
- (vii) **Sample Type test certificates for FRP and/SMC Sections as intended to be used.**

DGVCL reserves the right to reject any OR all tenders without assigning any reasons thereof.

INSTRUCTIONS TO THE BIDDER - Downloading of Tender Documents (in PDF Format). For downloading of Tender Please Click on Links: <http://www.DGVCL.nprocure.com>

Part -I	<u>TECHNICAL AND COMMERCIAL BID</u>
Part-II	<u>PRICE BID</u>

To view the PDF file please use "Acrobat Reader" software which can be downloaded from "Adobe" website.

SCHEDULE - 'A'

1.	Tender No.	DHR/AB/TECH/26-27/31 Dtd: 24/06/2026
2	Tender Fees	Rs.1180 =00 Non Refundable.
3	EMD Payable	Rs.30,000 per bidder

DETAILS BY THE BIDDER:

1	MR No. _____ dated _____ or Demand Daft No. _____ Dated _____ Drawn On _____ Bank Towards Tender Fee Rs. 1180=00
2	Demand Daft No. _____ Dated _____ Amount Rs, -----On _____ Bank towards requisite (EMD) Earnest Money Deposit. B.G. No. _____ date: _____ Amount: _____ Name of bank _____ and Validity of B.G. Till date: _____ Towards requisite (EMD) Earnest Money Deposit.
3	Firm's Sales Tax Reg.no. [TIN Number] _____ (Enclose Xerox copy Notary Certified)
4	Firm's PAN No. _____ (Enclose Xerox copy Notary Certified)
5	P.F. No. _____ (Enclose Xerox copy Notary Certified)

Instructions for e-Tendering (Online Tendering) Instructions to Bidders

5.	Downloading of tender Documents
1.1	Bid document will be available on web site up to date shown in the tender document.
1.2	Bidders willing to participate in tender will have to get themselves registered on website www.nprocure.com
6.	Digital Signature
1.1	Bidders should have valid digital certificate as per Information technology Act 2000 using which they can sign their electronic bids. Bidders can also procure the same from (n) code solutions, a division of GNFC Ltd., who are licensed certifying authority by Govt. of India.
1.2	For details regarding digital certificate and related training the below mentioned address should be contacted (n) Code Solution A division of GNFC 301, GNFC Info Tower, Bodakdev, Ahmedabad 380054. Tel: +91 26857316/17/18; Fax: +91 79 26857321; E-mail: nprocure@gnfc.net Mob.: 9327084190; 9898589652
1.3	Bidders who already possess valid Digital certificate need not procure a new digital certificate.
7.	On line Submission of Technical and Price Bid
1.1	Bidders can prepare and edit their offers number of times before tender submission date and time. After tender submission date and time, bidder cannot edit their offer submitted in any case. No written or online request in this regard shall be granted.
1.2	Bidder shall submit their offer, i.e. Technical Bid as well as price bid in Electronic format on above mentioned website and date shown in tender details before digitally signing the same.
1.3	Offers submitted without digitally signed will not be accepted.
1.4	Offers only in physical form will not be accepted in any case.
8.	General Instructions
4.1	The fees for on line tender document will not be refunded under any circumstances.
4.2	EMD in the form as specified in tender RTGS will be accepted.
4.3	Tenders without Tender Fees, Earnest Money Deposit (EMD) and which do not fulfill all or any of the conditions or submitted incomplete in any respect will be rejected.
4.4	Conditional tender shall not be accepted.
4.5	DGVCL reserves the right to reject any or all the tenders or split the work between more than one bidders without assigning any reasons thereof.

EXECUTIVE ENGINEER (O&M)
DGVCL, DIVISION, DHARAMPUR.

(Sign. & Seal of the Bidder)

CHECK LIST

To ensure that your offer submitted to DGVCL is complete in all respects, please go through the following checklist & tick mark for the enclosures attached scanned copy with your offer online:

Sr. No.	Description	Attached	Not Attached
1	Earnest Money Deposit in the prescribed form		
2	Tender Document Fee in the prescribed form		
2	Tender document duly signed & sealed on every page, as a confirmation of acceptance of the terms & conditions of the document. Or you can submitted online with other document.		
3	A copy GST Number, Permanent Account Number (PAN), PF No.		
4	Information about the Bidder – Duly Filled In Format		
5	Sample Type Test certificates		
6	Details of similar work done in last one year along with copies of the orders and certificates from the customers, their address phone/fax as per the Offer Evaluation Criteria and as per Annexure – I of the tender document		
7	Details of Technical staff available (Brief Bio-data of key Personnel be given) as per Annexure – II of the tender document		
8	Name & address		
9	Declaration of the Bidder about any relatives working with DGVCL as per Annexure – III of the tender document		
10	Deviation, if any, from the specifications, terms & conditions etc. (Annexure – IV)		
11	Whether validity of your offer is confirmed as per the document		
12	Whether bidder is Small Scale Industry and desires to avail exemption from EMD? If yes, <u>notary certified copy</u> of the certificate of Registration with Small Scale Industries (Part-2) indicating the manufacture of items offered should be enclosed with the Technical Bid. <u>Provisional SSI Registration Certificates are NOT allowed.</u>		

INFORMATION ABOUT THE BIDDER

(To be completely filled by the bidder)

1.	Name of the Company	
1a.	Postal Address	
1b.	Telephone nos. Fax no.	
1c.	e-mail address & URL	
2	Type of Company Attach Proof of Company Registration along with a copy of the Partnership Deed/ Article of Association and Memorandum of Understanding	Proprietorship/ Partnership/ Private Limited/ Public Limited
3	Name and designation of the representative of the Bidder to whom all reference shall be made to expedite technical co-ordination.	
4	Entrepreneur Memorandum Part 2 registration with DIC/ NSIC registration no./ CSPO registration no./ DGS&D registration no.	
5.	Factory Address	
6a.	Factory Telephone/Fax no.	
6b.	Factory e-mail address	
6c.	Floor area of the factory	
6d.	Manufacturing facilities (a list of machinery be attached as per annexure-VI)	
7	Name and address of the Indian/Foreign collaborator(s) if any.	
8	Offer submitted in Technical Collaboration/ Joint Venture with a foreign Company? if yes, give details of such JV.	
9a.	Details of Technical Staff available. (Please furnish information as per Enclosed Annexure II)	
9b.	Details of workmen on muster roll	

(Sign. & Seal of the Bidder)

	Skilled/ semi-skilled/ unskilled (attach copy of muster roll)	
10	Has the company/firm to pay arrear of income tax? If yes up to what amount.	
11	Turnover of company for last 3 years and profit for each year. (with Annual Accounts)	2022-2023 Rs. 2023-2024 Rs. 2024-2025 Rs.
12	Has any Govt. Dept. / Under-taking ever debarred the company/ firm from executing any work?	
13	State the Arrangement made for supply of FRP/SMC Sections. – Name of Company along with Certificate assuring supply of materials as per specified quantity and quality.	

It is certified that the information provided above is true to the best of my knowledge and belief. If any information found to be concealed, suppressed or incorrect at later date, our tender shall be liable to rejected and our company debarred from executing any business with DGVCL.

“Bidder has to upload scanned copies of original (Notarized / self-attested copies of original-as specified in tender document) documents with bid an no physical documents to be called from bidder.”

Date:

Sign. & Stamp of the Bidder

GENERAL TERMS AND CONDITIONS

B-1 In this deed of agreement/ Offer, unless the context otherwise requires:-

DGVCL shall mean the **EXECUTIVE ENGINEER (O&M), DHARAMPUR DIVISION OFFICE RAJ MAHEL ROAD DHARAMPUR-396050,,** and shall include his successors and assignees.

The Bidder shall mean the Bidder/ Associate whose Offer shall be accepted by DGVCL and shall include such Bidders/ Associate heirs, legal representatives, successors and assignees. Associate shall mean the business associate authorized and having valid agreement with Public Sector Enterprise having experience in field with office in the State of Gujarat. The offer shall be considered on behalf of the Public Sector Enterprise and authority letter for submitting the tender shall be furnished. If the Public Sector Enterprise directly participates in the tender, Associate's offer shall not be considered.

B-2 The Bidder shall be deemed to have carefully examined all the papers, drawings, etc. attached in the contract. If he has any doubt as to the meaning of any portion of any condition/ specification, etc. he shall before signing the contract submit the particulars thereof to DGVCL in order that such doubts are removed.

B-3 The work, shall be completed within the completion period as mentioned in the agreement, failing which penalty at the rate of 1 % per week subject to maximum of 10 % of agreement value plus GST as applicable shall be imposed. This excludes delay in the completion of the work due to unforeseen reasons beyond the control and without fault and negligence of the Bidder including (but not restricted to) act of God or public anomie action of Government in its sovereign capacity, floods, epidemics, strikes, lockouts, fires and accidents. In the event of any of the aforesaid contingencies DGVCL may be promptly kept informed by the Bidder by Fax/Telex/Telegram followed by confirmation in writing with documentary proof within fifteen days of commencement and cessation of Force Majeure circumstances. Under such circumstances reasonable extension of time shall be granted by DGVCL. Application for such extension must be made before the due date of completion of work as per agreement. In the event of termination of the agreement, DGVCL shall be at liberty to get the remaining part of the work done through any other agency/Bidder in the manner and on the terms it thinks proper. If the cost of executing the work as aforesaid shall exceed the balance due to the Bidder, and the Bidder fails to make good the deficiency, DGVCL may recover it from the Bidder in any lawful manner.

B-4 The Bidder shall have to comply with all rules, regulations, laws and bylaws enforced by local and State Govt. and also the organization in whose premises the work has to be done.

B-5 The Bidder shall not, without the consent in writing of DGVCL, transfer, assign or sublet the work under this contract or any substantial part thereof to any other party.

B-6 If the Bidder neglects to execute the work with due diligence and expedition or refuses or neglect to comply with any reasonable orders within two days' notice given in writing to the Bidder and if he fails to comply with the notice, then in such a case DGVCL shall be at liberty to get the work or any part of it, executed through any other agency/Bidder in the manner and on the terms it thinks proper. If the cost of executing the work as aforesaid shall exceed the balance due to the Bidder, and the Bidder fails to make good the deficiency, DGVCL may recover it from the Bidder in any lawful manner.

B-7 DGVCL shall have at all reasonable time access to the works being carried out by the Bidder under this contract. All the works shall be carried out by the Bidder to the satisfaction of DGVCL.

B-8 Any question, dispute or difference whatsoever arises between DGVCL and Bidder, in connection with this agreement except as to matters, the decision for which has been specifically provided, either party may forthwith give to the other notice in writing of existence of such questions, dispute, difference and the same shall be referred to the sole arbitration of a person nominated by Managing Director, DGVCL. This reference shall be governed by Indian Arbitration Act prevailing at the time of dispute and the rules made there under. The award in such arbitration shall be final and binding on all the parties. Work under the agreement shall

(Sign. & Seal of the Bidder)

continue during the arbitration proceedings unless the DGVCL or the Arbitrator directs otherwise.

- B-9 DGVCL may at any time by notice in writing to the Bidder either stop the work altogether or reduce or cut it down. If the work is stopped altogether, the Bidder shall only be paid for work done and expenses legitimately incurred by him as on preparation of the execution of the work up to the date on which such notice is received by him. Such expenses shall be assessed by DGVCL whose decision shall be final and binding on the Bidder. If the work is cut down the Bidder shall not be paid for the work as so cut down, but in neither case shall be paid any compensation what so ever for the loss or profit which he might have made if he had been allowed to complete all the work included in the contract.
- B-10 Prior to dispatch, the materials may be inspected and tested by DGVCL at the Bidder's works. Bidder shall inform DGVCL for such inspection at least 7 days in advance before the probable date of dispatch.
- B-11 The materials supplied or installed shall be guaranteed by the Bidder n regard to quality of material, workmanship, installation, etc. Defects developed in the system within guarantee period, shall be rectified by the Bidder at his own expense promptly. In case the defects are not rectified within 7 days of the receipt of the complaint by the Bidder, DGVCL shall have full liberty to remove such defect or undertake such repairs as may be necessary. The expenditure so incurred by DGVCL shall be deducted from Bidder's pending claims, security, etc. and if necessary may be recovered in other mode provided under the law.
- B-12 Notices, Statements and other communications sent by DGVCL through registered post or telegram or telex or to the Bidder at his specified address shall be deemed to have been delivered to the Bidder.
- B-13 The work shall be carried out by the Bidder with prior approval of DGVCL. Work carried out without DGVCL's approval shall not be accepted and the DGVCL shall have right to reject it and to recover the cost as so incurred, from the Bidder.
- B-14 All equipment/material shall be suitably packed for transport/carriage at site and outdoor storage during transit. The Bidder shall be responsible for any damage to the equipment during transit due to improper or inadequate packing. The cases containing easily damageable material shall be very carefully packed and marked with appropriate caution symbols i.e. 'FRAGILE, HANDLE WITH CARE' etc. The contents of each package shall bear marking that can be readily identified from the package list and packing shall provide complete protection from moisture, termites and mechanical shocks during shipment/transportation to site. Adequate protection must be provided for outdoor storage at site in tropical humid climate, wherever necessary proper arrangement for attaching signs for lifting shall be provided and all packages clearly marked with gross weight, signs showing 'UP' and 'DOWN' sides of boxes, contents of each package, order no. And date, name of the plant/equipment's to which the material in the package forms the part of, and any handling and unpacking instructions considered necessary. The Bidder without any extra cost shall supply any material found short inside intact packing case. The Bidder shall ascertain prior to shipment, from concerned authorities, the transport limitations like weight and maximum allowable package size for transportation. All packing cases and packing material shall become the property of the purchaser.
- B-15 The Bidder shall not display the photograph of the work and shall not take advantage through publicity of the work without written permission of DGVCL.
- B-16 The inspection as mentioned in clause No. B-10 by DGVCL's representative shall not relieve the Bidder from full responsibility of completing the work confirming to the requirement of this contract.
- B-17 Conditional tenders shall not be accepted.
- B-19 **PRICE EVALUATION:**
No price preference shall be given on any account. All tenders will be evaluated on firm price end cost without Tax basis. If more than one party is to be considered for placement of order,

they will have to match their end cost with end cost of L-1 technically acceptable bidder. DGVCL may go to the L-2, L3 and so on depending upon the requirement. If DGVCL feels that there is lack of serious competition or any other reasons, DGVCL may negotiate with the L-1 party. DGVCL's decision shall be final and binding on all the parties.

GUIDELINES FOR BIDDERS

1. Tender are invited for **"ARC work of Providing & Fixing of FRP Fencing around Distribution Transformers center in all schemes at various locations of village under jurisdiction of Kaprada Sub Division under Dharampur division."** The indicative quantities to be supplied, and installed are as mentioned below :

Sr.No.	Name of Division	Indicative Quantity of DTR's in Nos.	Indicative Quantity of Rmt. in Nos.
1	DHARAMPUR DIVISION	AS PER SCHEDULE-B	AS PER SCHEDULE-B
	Total		

The quantity mentioned above is indicative only and FRP Fencing has to be provided around DTR's at various locations under each of the Divisions. DGVCL, at its discretion, may increase/decrease the quantity.

2. The typical layout drawing applicable for the tender invited is annexed.
3. Letter of Intent (LOI) shall be issued to the shortlisted Bidders indicating the quantity allocated to them and the security deposit amount to be deposited by them with DGVCL. Shortlisted Bidders will be required to deposit the requisite security deposit within one week of issuance of Letter of Intent, failing which the letter of intent will stand cancelled. The detailed work order will be issued to the shortlisted Bidders only after receipt of requisite Security Deposit.
4. Bidders, to whom order is awarded, will be required to deposit security deposit of 5% of total order value awarded to them. The Security Deposit will be accepted in the form of Demand Draft issued by any approved Bank in favor of Dakshin Gujarat Vij Co. Ltd. payable at Valsad. The Security Deposit can also be submitted in the form of Bank Guarantee issued by any of the approved Bank as per DGVCL's format with validity of 1 year. The Security Deposit submitted will be retained till completion of the work order. No interest will be paid on the Security Deposit. The Earnest Money Deposit of the successful bidders will be returned.
5. In the event of awarding the order of additional quantity, the Bidder will be required to deposit additional Security Deposit on prorata basis within one week of the issuance of LOI for the additional order quantity.
6. In the event of failure to supply and install fencing at locations offered by the Bidder and as accepted by them while receiving the order, will lead to forfeiture of the Security Deposit up to 100% and will lead to disqualification of the Bidder for transacting business with DGVCL for at least two years or the time duration as may be decided by the Managing Director, DGVCL.
7. The Bidder shall arrange to provide schedule of delivery and suggested time frame required to carry out the work.
8. IDENTIFICATION OF SITE
Details of each location shall be made available through Executive Engineer of each Division. The planning for each location has to be prepared in consultation of the Deputy

(Sign. & Seal of the Bidder)

Engineer of the Sub Division under whose control the Distribution Transformer is located. The layout plan for each location shall be certified by concerned DE of the Sub Division and EE of the Division.

9. The payment terms shall be as follows:
100 % of value shall be paid against delivery and installation of the fencing system. Monthly Running Account Bills shall be paid. The bills should be submitted in Duplicate to respective Division Office along with following documents:
 - a. Approved layout sketch for respective Transformer centers
 - b. On-site verification/ inspection Report by DGVCL and/or its authorized inspection agency/ies as per norms of DGVCL, for which the claim is received:
 - c. Security Deposit shall be released after 5 years from date of completion of installation of fencing. The Bank Guarantee shall be suitably extended to cover the warranty period of 5 years.
10. DGVCL, at its discretion, may award work to more than one Bidder and will decide the quantity to be allocated to them. Decision of DGVCL in this matter, will be binding to all the Bidders.
11. In case of any type of misappropriations, cheating or intention of cheating, frauds, irregularities, malpractice, etc. the Managing Director DGVCL reserves the right to cancel the order without giving reasons thereof and forfeit the security deposit.
12. Rates quoted by the Bidder will be inclusive of packing, forwarding, freight, insurance, loading unloading, supply, installation, commissioning, and any/ all charges for successful Supply & Installation of the system at any location in Valsad O&M Circle.
13. The rates quoted by the Bidder will be exclusive of GST but inclusive of Work Contract Tax or any other taxes applicable for such work. Any Statutory escalation in taxes/ levies during the tenure of the contract/order will be paid by DGVCL.
14. **Third Party Inspection may be carried out by the agency authorized by DGVCL.**

[2] Document with bid submission.

[A] Bidder has to upload scanned copies of original (Notarized / self-attested copies of original as specified in tender document) documents with bid and no physical documents to be called form bidder.

[B] In case of short submission of document with bid and/ or clarification if any required details/documents may be asked from bidder in physical form except Gem portal, as Gem portal is having facility to call documents through clarification window.

[C] It shall be sole responsibility of the bidder that the uploaded scanned documents (in PDF form) remain legible and should not be password protected.

TENDER EVALUATION CRITERIA

Price Bids of only those parties who are found qualifying, based on considerations specified will be opened.

COMMERCIAL

- 1) Earnest Money Deposit (Payment DD/or Exemption certificate) and Tender Document Fee in the prescribed form should be submitted along with the tender And also scanned dd with only documents.
- 2) Annual turnover of the firm should not be less than 50Lacs (Fifty Lacs) in any one year of last three financial years. The balance sheet for the same has to be attached with the tender duly certified by Chartered Accountant.

TECHNICAL

Qualifying Criteria

- 1) The Bidder should be manufacturer / trader or any agency having experience in providing fencing. The copy of purchase orders to be given for proof of experience. Manufacturer will be given preference.
- 2) The Bidder shall have requisite resources (enclose details) in terms of professional competency and financial soundness to complete the whole package within the stipulated time period.
- 3) The Bidder shall have valid PF number. In absence of valid PF number, the bidder will have to apply for PF number or submit undertaking that he shall arrange to obtain the same within 30 days of issue of LOI and no payment shall be made to the successful bidder unless he has a valid PF Number.
- 4) Type Test reports for materials, as available, must be enclosed with the Bid. All required Type tests on one particular item must have been conducted in the span of one year only. All the required Type Test reports shall not be older than 5 (five) years. If the type tests are not carried out before submission of the tender then it will be at sole discretion of DGVCL to accept them or not. **If Letter of Intent (LOI) is placed, subject to submission of tests, then in such cases all the necessary Type tests shall be carried out by the firm within 30 days of the issue of LOI or at DGVCL discretion. In the event of failure to do so, the LOI stands cancelled** and the detailed order will not be placed and no further correspondence in this matter will be entertained at any cost.

The offer of the Bidders not satisfying any of the above criteria are likely to be rejected. The Bidder shall be allowed to have tie up with any supplier for supply of materials and or tie up with contract agency to carry out the field work. However, the entire responsibility shall rest with the bidder in whose name the bid is submitted. Forming consortium for bidding is not permitted. The Bidder should put forth scanned documents satisfying the qualifying requirements mentioned above.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATION FOR FRP FENCING

1.0 SCOPE:

This specification covers the basic requirement for the complete design, manufacture, fabrication, testing and inspection, packing, supply and Installation of Insulating type FRP Fencing with necessary hardware, accessories, fittings, etc. around Distribution Transformer Stations located in various towns as specified.

2.0 Service Conditions:

The fencing supplied against this specification shall be suitable for satisfactory continuous operation under the following tropical conditions:

1	Maximum ambient temperature (deg. C)	50
2	Minimum ambient temperature (deg. C)	3.5
3	Relative humidity (%)	10 to 100
4	Maximum rainfall (mm)	1450
5	Maximum wind pressure (kg/sq. m)	150
6	Maximum altitude above mean sea level (Meters)	1000
7	Iso-ceraunic level (days/year)	50
8	Seismic level (Horizontal acceleration) (g)	0.3
9	Climate Moderately hot and humid tropical climate, conducive to rust and fungus growth.	

3.0 STANDARDS:

All components used in the manufacture of the FRP Fencing shall confirm to the relevant Indian standard specification and IS-6746 i.e. Unsaturated Polyester Resin System and IS 13410 Glass reinforced Sheet Molding Compounds (SMC).

4.0 GENERAL TECHNICAL REQUIREMENTS:

- 4.1 The Fencing shall be antistatic and ultra violet resistant. Fencing shall be manufactured using components made in accordance with IS-6746 and IS 13410.
- 4.2 FRP Fencing shall be made utilizing FRP Pultruded sections & FRP/SMC Pickets. FRP sections shall be made from an advanced formulation of Thermosetting Polyester Resin with Glass Fiber Reinforcement on state of art electronically controlled pultrusion technology. Manufacturing process shall be pultrusion using automated pultrusion machines. SMC Pickets from hot press compression molded SMC confirming to IS 13410
- 4.3 FRP Fencing shall be made of FRP and shall be corrosion resistant and fire retardant (Low flammability) in accordance with the latest IS-6746. An additive material shall be mixed with the FRP to make them resistant to ultraviolet light. FRP/SMC Flats may be used as preferred by bidder.
- 4.4 The oxygen index shall be minimum 24 as per IS 6746.
- 4.5 The minimum glass content in the FRP and SMC material shall be 45% and 20% respectively
- 4.6 The FRP Fencing shall be free from sharp edges and corners, burns and unevenness.

- 4.7 FRP fencing shall be supplied in completely knocked down condition and shall be of ready to use type. The fencing system shall be suitable for onsite fabrication using standard hardware and tools. The fencing shall be supplied as per BOQ agreed between supplier and purchaser.
- 4.8 The fencing is constructed utilizing vertical post duly grouted / fitted in ground/on floor. Horizontal rails fitted to sub frame to suite onsite mounting the vertical posts, pickets fitted to rails and gate to facilitate entry and exit restriction within the covered area.
- 4.9 FRP Pultruded Sections and SMC pickets shall have following mechanical properties

Sr. No.	Parameter	Value for FRP Pultruded Section	Value for SMC Pickets
a)	Ultimate tensile strength:	2000-4000Kg/cm ²	50 MPa
b)	Flexural strength:	2000-10000 Kg/ cm ²	155 MPa
c)	Flexural modulus:	1.5-5x100000 Kg/ cm ²	N.A.
d)	Izod impact:	130Kg/cm/cm of notch	45 KJ/m ²
e)	Compressive strength:	1500-5000 kg/ cm ²	N.A.
f)	Compressive modulus:	2.5-4.5 kg/ cm ²	N. A.
g)	Bar col thickness:	50- 65	50- 65
h)	Water absorption:	<=0.6%	<=0.25%
i)	Glass Content	Min. 45%	Min. 20%
j)	Flammability	Low flammability as per IS 6746	
k)	Flame Spread (Fire propagation Index)	Less Than 15 as per BS 476 (Part 5, 6 & 7)	

- 4.10 FRP Pultruded Sections and SMC pickets shall have following Electrical Properties.

Sr. No.	Parameter	Value for FRP Pultruded Section	Value for SMC Pickets
a)	Dielectric Strength Axial	30 – 45 kV / 25 mm	9 kV/mm
b)	Dielectric Strength: Radial	10-15 kV / 25mm	N. A.
c)	Arc Resistance	> 120 sec	> 120 sec

- 4.11 FRP Pultruded Sections Fencing – Routine & Acceptance Testing Parameters shall include but not be limited to following:

Tests for FRP sections

Sr. No.	Parameter	Value specified
1	Visual	As per approved drawing
2	Dimensions	As per approved drawing
3	Glass Content	Min. 45%
4	Flammability	Low flammability as per IS 6746

Tests for SMC Pickets

Sr. No.	Parameter	Value specified
1	Visual	As per approved drawing
2	Dimensions	As per approved drawing
3	Glass Content	Min. 20%
4	Flammability	Low flammability as per IS 6746

5) **CONSTRUCTION:**

5.1 Vertical Posts:

The vertical post shall be made out of FRP Pultruded square hollow section of size 50x50x5 mm. Such posts shall be kept at a distance not exceeding 1000 mm c/c except gate opening and shall be grouted in the ground with c.c. of ratio 1:2:4 in the pit of size 300x300x450 mm. The work must be done under Supervision of concerned SDO OR Authorized staff appointed by SDO.

The vertical posts shall be supplied with pre-drilled holes so as to accept Sub frame provided using hollow FRP box sections 50x25x5 mm and other accessories for fixing of gates etc. The length of vertical post shall be sufficient to take care of grouting, depth i.e. underground and height of fencing above the ground. Post should be buried in foundation at least 450 mm from ground level. Posts at corners and gate openings may be of different size/shape so as to take care of the fencing requirements.

5.2 Rails

Rails shall be made out of FRP notch bars of 12 mm dia. provided at equal spacing not exceeding 200 mm Centre to Centre as shown in drawing. The rails are placed horizontally and height of the 1st rail from the ground as well as gap between the rails shall be maintained as detailed in the approved drawing.

5.3 Pickets:

Pickets shall be made of flats of size 35x5 mm SMC or FRP provided at equal spacing not exceeding 100 mm Centre to Centre mechanically locked between vertical post as well as top and bottom member of sub frame as shown in the drawing. Pickets shall be pre-drilled to facilitate fixing on the rails. Dimensions of the sections utilized (vertical post, rail, picket), length of those sections (height of fencing), gate openings, corner posts and the perimeter as well as shape of area to be covered by fence shall be as per the drawing and shall be as mutually agreed between the supplier and purchaser by way of issue of approved drawing. The fencing Material of Construction (MOC) shall conform to the IS: 6746 and/ IS 13410 as applicable and the fabricated, installed fencing shall confirm to the approved drawing.

5.4 Fencing Gate:

Fencing gate should have door with two shutters with one Heavy duty S.S.aldrop of size not less than 16 mm Dia and 350 mm length. Gate is to be provided as per site conditions. General arrangement and layout of fencing is shown in schematic drawing.

5.5 Danger Board:

Danger Board of size 300X300 mm (1.6 mm thick M.S.Plate) is to be provided on left hand side of fencing with standard drawing as attached herewith. Danger Board should have letter writing pattern and size as per drawing attached.

6) **Other Conditions:**

- At top the whole fencing shall be tied with FRP Angle section 50x50x5 to provide suitable stiffness. Angle section should be openable across gate.
- Hardware for fixing / assembling shall be of stainless steel.
- Gate should be suitably stiffened to prevent sagging. 3nos. of Hinges of 100 mm size on each door and shall be of heavy duty S.S. and facilitate of outward 180 degree movement of the gate flaps.

- Left door of gate should be provided with stopper of 300 mm and Dia. of 10 mm at upper and lower part of fencing with proper locking arrangement.
- Transformer fencing erection should be done according to site situation and as per instruction of engineer in charge of sub division office.
- Supporting bracing flat size SMC molded / FRP Flat 35 x 5mm and length 300 mm are to be provided in each corner on top and bottom frames of fencing and on each shutter of door.
- Grouting Roads of M. S. With Dia. of 12mm and 250 mm long at each Vertical Post are to be provided as shown in Drawing.
- Payment of bill will be based on running meter measured during joint measurement with engineer in charge.

7) DRAWINGS AND DOCUMENTATION:

- The successful bidder shall submit sketches for each location of the FRP Fencing and get the same approved at concerned Division office before commencement of supply. The indicative schematic drawing is enclosed herewith.
- The tenderer shall furnish all details and clarifications required if any for scrutiny and evaluation of the offer.
- Manufacturing of material to be supplied shall be done strictly as per approved drawing.
- Approval of drawing shall not absolve the supplier of his liability for ensuring correctness according to applicable standards & regulations.

8) TESTS:

All the Type Tests shall be carried out from reputed Laboratories which are accredited by the National Board of Testing and Calibration Laboratories (NABL) of Govt. of India or accepted by DGVCL. Test Reports submitted by Labs such as CPRI, ERDA, ERTL, CIPET, Fire Research Laboratory (FRL) of CBRI Roorkee shall be accepted to prove that the FRP Pultruded Sections meet the requirements of specification. Type Test Reports conducted in manufacturers own laboratory and certified by testing institute shall not be acceptable. The FRP Pultruded Sections used in FRP Fencing shall be fully type tested for Mechanical and Electrical Properties. Attested copies of Type Test Reports are to be submitted.

9) TESTING AND MANUFACTURING FACILITIES:

- The Bidder/manufacturer shall have necessary machinery for production of FRP Pultruded Sections using Automated Pultrusion Machines as well as SMC material and SMC hot press compression molding Machines if SMC is intended to be used for FRP Fencing.
- Manufacturer should have in house testing facilities for carrying out the routine and acceptance tests. Each Lot dispatched should be tested in-house and test report should be submitted to DGVCL.
- Supplier shall be responsible for packing, transporting and delivery to the consignee.

Guaranteed Technical Particulars of FRP Fencing

Sr. No.	Description	Requirement	Supplier Remark
1	VERTICAL POST (Pultruded FRP)	Box section of 50 x 50 x 5mm @ max 1000 mm c/c & corners	YES/NO
2	Sub frame section	FRP Box section of 50 x 25 x 5mm	YES/NO
3	Rail	FRP Rod Dia. 12mm @ 200mm c/c with notch and keys to lock pickets.	YES/NO
4	Pickets	SMC molded / FRP Flat 35 x 5mm Thk @ 100 mm c/c	YES/NO
5	Bracing Flat	SMC molded/FRP flat 35x5 mm and length 300 mm	YES/NO
6	Heavy duty SS Aldrop	Not less than 16 mm dia and 350 mm long	YES/NO
7	GRADE OF MATERIAL FOR Fencing	Pultruded FRP - UV and Fire Resistant conforming to IS 6746	YES/NO
8	Type Test Certificate For Material	Refer Clause 7.0	YES/NO
9	SIZE OF THE fencing	HEIGHT: 1600 MM (1500+100mm) above ground 450 mm in ground; min WIDTH & Length as per site condition.	YES/NO

DGVCL will take random samples from the material supplied and subject them to tests in Government approved laboratories. The material should stand these tests and if the materials do not stand these tests, they will summarily be rejected and the supplier should make immediate arrangement to replace them with standard material only after getting them duly inspected.

DGVCL also reserves the right to accept the whole or part of such supplies or of the utilized material and recommend reduced prices taking into account the defects noticed. Such reduction for the whole lot will be maximum up to 30% (Thirty) of the end cost price, provided DGVCL accepts the material. In this respect, the decision of the DGVCL will be final and will be binding on the supplier.

TIME SCHEDULE FOR COMPLETING THE WORK

(To be completely filled by the Bidder)

Name of the Bidder	
Address of the Manufacturing Facility	

Sr. No.	Item	Time required for Manufacturing in days	Time required for erecting of the fencing system per location	Time required for completion of total tender quantity
1	FRP Fencing System			

(Sign. & Seal of the Bidder)

Annexure – I

Details of work experience in last three years

(To be completely filled by the Bidder)

Sr. No.	Name of the Company with full address, phone, fax and name of contact person	Work Description	Ref. & date of the order	Work Order Value	Details of order & its configuration

- Copies of MAJOR Work orders along with Work completion certificates should be attached with this information.
 - If necessary, separate sheet may be used to submit the information.

(Sign. & Seal of the Bidder)

Annexure – II

Details of Technical staff available with the company for execution of work

(To be completely filled by the Bidder)

Sr. No.	Name	Qualification	Additional Certification, if any	Total Experience, no. of years	Remarks

- Copies of Resumes and appropriate certifications should be attached with this information.
 - If necessary, separate sheet may be used to submit the information.

(Sign. & Seal of the Bidder)

ANNEXURE – III

DECLARATION

(Strike off whichever is not applicable)

This is to declare that Mr./Ms. _____, employee of DGVCL at
_____ (place), is related to our _____
_____ (designation & name).

OR

This is to declare that none of the Proprietors/ Partners/ Directors are having any relatives employed or working with Dakshin Gujarat Vij Co. Ltd. at any of its offices or its parent Department i.e. Energy & Petrochemicals Dept., Govt. of Gujarat.

Date:

Sign. & Stamp of the Bidder

(Sign. & Seal of the Bidder)

Annexure - IV

DEVIATION SHEET

Any deviations offered from the terms and conditions of the Offer should be clearly specified below in this sheet. If there are no deviations offered, it should be clearly mentioned on this page.

Deviation offered to Chapter No, Clause No. of the tender document	Deviation offered

(Sign. & Seal of the Bidder)

Annexure – V
List of Plant and Machinery
(To be completely filled by the Bidder)

For manufacturing of fencing panels

S. No.	Name of equipment	Date of purchase	Date of calibration	Utility

(Sign. & Seal of the Bidder)