



VOLUME-I

SECTION 7.0

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VOLUME-I
SECTION 7.0
APPENDICES

APPENDIX-1: FORMAT FOR COVERING LETTER

[To be submitted on Bidder's official letterhead, duly signed and stamped]

Date: _____

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: Submission of Bid for "EPC Package for Design, Engineering, Supply, Erection, Testing, Commissioning and Ten (10) Years Comprehensive Operation & Maintenance of 20 MW / 120 MWh Vanadium Redox Flow Battery (VRFB) Based Battery Energy Storage System (BESS) at GIPCL 165 MW Gas Based Power Plant Complex, Baroda (Plot-B), Vadodara, Gujarat"

Ref: Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Dear Sir / Madam,

We, the undersigned, have carefully examined and fully understood the Bidding Documents including the Technical Specifications, General Conditions of Contract, Special Conditions of Contract, and all Appendices and Annexures. We hereby submit our Bid in complete compliance with the requirements of the Bidding Documents.

We confirm and declare as follows:

1. We have examined and accepted all terms and conditions contained in the Bidding Documents. The Bidding Documents with any modifications, additions, or deletions agreed with GIPCL shall, until the formal Contract Documents are prepared and executed, form the binding Contract between us.
2. We propose to provide and install the complete 20 MW / 120 MWh VRFB-based BESS as specified, on a complete EPC turnkey basis including Ten (10) years of Comprehensive Operation & Maintenance, in strict conformance with the Contract Documents.
3. We confirm that only Vanadium Redox Flow Battery (VRFB) technology shall be used for this project. The proposed VRFB system shall have a designed life of at least 25 years from COD and shall be capable of at least 20,000 charge-discharge cycles.
4. We confirm that GIPCL shall not supply any material or equipment. We shall be fully self-sufficient in all respects for performance of the work.



5. We understand that GIPCL is not bound to accept the lowest or any bid it may receive.
6. We shall make available to GIPCL any additional information it may find necessary to supplement or authenticate our qualification statements.
7. We acknowledge the right of GIPCL to reject our Bid without assigning any reason and hereby waive, to the fullest extent permitted by applicable law, any claim in respect of such rejection.
8. We further certify that, in regard to matters relating to security and integrity of the country, neither we nor any of our associates have been charge-sheeted by any agency of the Government or convicted by a court of law for any offence committed by us or by any of our associates.
9. We further certify that no investigation by a regulatory authority is pending either against us, our associates, or our CEO or any of our Directors / Managers / Employees.
10. We undertake that in case, due to any change in facts or circumstances during the bidding process, we are attracted by any provisions of disqualification, we shall intimate GIPCL of the same immediately.
11. We agree to keep this bid valid and open for acceptance for a period of 180 (One Hundred and Eighty) days from the last date for submission of bids as specified in the Bidding Documents.
12. We also undertake not to vary/modify the Bid during the validity period or any extension thereof.
13. We further represent that we have familiarized ourselves with all terms and provisions of the Bidding Documents and that our Bid fully complies with all requirements thereof.
14. We agree to abide by all the terms and conditions of the Bidding Documents.
15. We confirm compliance with the Government of India's Public Procurement (Preference to Make in India) Order 2017 and related amendments, including compliance with restrictions on procurement from countries sharing a land border with India.
16. We confirm that we are not under any declaration of ineligibility for corrupt or fraudulent practices issued by any government body, PSU, or multilateral development bank.
17. We declare that the information provided in this Bid is accurate and complete to the best of our knowledge. We acknowledge that GIPCL may verify any information provided.

We submit our Bid with full understanding and undertake that our Bid fully complies with all terms and conditions of the Bidding Documents.

Dated this _____ day of _____ 2026

Signature: _____

Name of Authorised Signatory: _____

Designation: _____

Company Name & Registered Address:

Date: _____

Stamp / Seal: _____

Witness: _____



APPENDIX-2: DETAILS OF BIDDER

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: Details of Bidder - Bidding Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

A. Basic Company Information

(a) Name of Bidder	
(b) Country of Incorporation	
(c) Address of Corporate Headquarters (and India Branch, if any)	
(d) Date of Incorporation / Commencement of Business	
(e) GST Number (Copy Attached: Yes / No)	
(f) PAN Number (Copy Attached: Yes / No)	
(g) CIN (for Indian companies)	
(h) Website	

B. Brief Description of Company

(Provide a brief description of the company including its main lines of business, experience in VRFB / BESS / renewable energy EPC, and proposed role in this project)

[Insert description here]

C. Contact Person / Point of Contact

Name	
Designation	
Department	
Address	



Telephone

Mobile

E-Mail Address

Fax Number

D. Particulars of Authorised Signatory

Name

Designation

Address

Phone

Fax

E-Mail

Authorised Signatory (Signature with Stamp):

Name: _____

Designation: _____

Date: _____



APPENDIX-3: DELETED

**APPENDIX-4: FORMAT FOR PROJECT EXECUTION PLAN****I. Division of Scope of Work****Notes:**

- Bidder shall clearly indicate the agency (Bidder / Sub-vendor / Sub-contractor) which will carry out each activity.
- In case any activity is proposed with a sub-vendor or collaborator, Bidder shall clearly indicate the role and qualification of each party.
- Bidder shall identify major equipment items, discipline, and responsible entity.

Activity / Discipline	Responsible Agency	Sub-vendor / Partner (if any)	Location of Activity	Notes
VRFB System Design & Engineering				
Vanadium Electrolyte Supply				
Cell Stack Supply & Assembly				
BMS Supply & Integration				
PCS / PCU Supply & Testing				
Inverter / PCS Transformer Supply				
11 kV / 132 kV HT Switchgear Supply				
LT Switchgear / Panels Supply				
EMS / SCADA Supply & Integration				
Civil & Structural Works				
Electrical Erection & Cabling				
Fire Protection System				
132 kV Switchyard Modifications & GETCO Interface				
SLDC Interface & Communication				
Commissioning & Testing				
PG Test				
O&M (10 Years)				

II. Detailed Project Schedule

**Notes:**

- The entire work shall be completed within 18 months from the date of LOA / Contract Agreement (Scheduled Commissioning Date).
- All Start and End Dates shall be indicated with respect to the Zero Date (date of LOA), e.g. +15 days, +6 months.
- Part commissioning of 50% capacity (10 MW / 60 MWh) shall be achievable by Month 15.

Sr.	Activity / Milestone	Start (Month from LOA)	End (Month from LOA)	Responsibility
1	Contract Signing & Bank Guarantee Submission	0	+0.5	Contractor
2	Detailed Engineering & Design Approval	+0.5	+3	Contractor
3	Civil Works – Foundation, Grading, Site Preparation	+1	+6	Contractor
4	VRFB System Manufacture & FAT at OEM Works	+2	+9	VRFB OEM
5	PCS / Transformer Manufacture & FAT	+2	+8	Contractor
6	Delivery of VRFB System to Site	+8	+10	Contractor
7	Electrical Erection – HT/LT Switchgear, Cabling	+5	+11	Contractor
8	VRFB System Erection & Installation	+10	+13	Contractor
9	EMS / SCADA Integration & Testing	+11	+14	Contractor
10	132 kV Switchyard Modification & GETCO Interface Works	+6	+14	Contractor
11	CEIG Inspection & Statutory Approvals	+12	+15	Contractor
12	Part Commissioning (10 MW / 60 MWh) – PAC Part-1	+14	+15	Contractor
13	Full Capacity Commissioning (20 MW / 120 MWh) – PAC Full	+16	+18	Contractor
14	PG Test (Full Capacity)	+18	+18.5	Contractor
15	Commencement of 10-Year O&M	+18	+138	Contractor

Signature of Bidder: _____

Name: _____

Designation: _____

Seal: _____

Date: _____

APPENDIX-5: DETAILS OF QUALIFIED TECHNICAL STAFF

(To be submitted with Technical Bid – attach individual CVs and certificates)



Sr.	Name	Role in This Project	Qualification	Years of Experience	Relevant BESS/VRFB/RE Experience
1		Project Director			
2		VRFB Technical Lead			
3		Electrical Design Engineer			
4		Civil & Structural Engineer			
5		EMS / SCADA Engineer			
6		Commissioning Engineer			
7		Site Construction Manager			
8		O&M Manager (10-Year O&M)			

Note: Kindly submit copies of CVs and appropriate certifications with this sheet. Additional sheets may be used.

Signature of Authorised Signatory:

Name / Designation / Date: _____



APPENDIX-6: DECLARATION OF COMPLIANCE

Date: _____

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: Declaration of Compliance for EPC Package for Design, Engineering, Supply, Erection, Testing, Commissioning and Ten (10) Years Comprehensive Operation & Maintenance of 20 MW / 120 MWh Vanadium Redox Flow Battery (VRFB) Based Battery Energy Storage System (BESS) at GIPCL 165 MW Gas Based Power Plant Complex, Baroda (Plot-B), Vadodara, Gujarat

Ref: Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Dear Sir / Madam,

This is to certify that I, _____, am the duly authorized signatory appointed on behalf of M/s. _____, to submit this Bid. The signatory has full authority to sign and submit the Bid and any documentation related thereto.

I/We agree to all the terms and conditions set forth in the Bidding Documents. If awarded the Contract, the execution of the Project shall conform to all terms, conditions, and specifications as indicated in the Bidding Documents and as finally agreed with GIPCL.

I/We further certify that:

- All information provided in this Bid is accurate and complete to the best of my/our knowledge.
- The proposed VRFB technology and system meet all requirements specified in the Technical Specifications.
- We are not under any sanction, debarment, or blacklisting by any government body or public sector undertaking.
- We comply with all applicable laws including those related to environmental protection, labour welfare, and safety.

Signature of Authorised Signatory:

Name: _____

Designation: _____

Company Name: _____

Date: _____

Stamp / Seal: _____



APPENDIX-7: SELF CERTIFICATION AND DECLARATION

SELF-CERTIFICATION

I, _____ S/o/D/o of _____, working as CEO/CFO/Company Secretary (indicate, as applicable) of the Company _____ having its registered office at _____ certify that all the details including documents pertaining to Bidder Qualification Criteria signed by undersigned vide our offer reference _____ against Tender Enquiry Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh, are true, authentic, genuine and exact copy of its original. It is certified that none of the documents are false/forged or fabricated. All the documents submitted have been made having full knowledge of (i) the provisions of the Indian laws in respect of offences including, but not limited to those pertaining to criminal breach of trust, cheating and fraud and (ii) provisions of bidding conditions which entitle the Owner / Consultant to initiate action in the event of such declaration turning out to be a misrepresentation or false representation. I further certify that further documents, if any, required to be submitted by our company, shall be submitted under my knowledge and those documents shall also be true, authentic, genuine, exact copy of its original and shall not be false/forged or fabricated.

DECLARATION

I, _____ S/o/D/o of _____, working as CEO/CFO/Company Secretary (indicate, as applicable) of the Company _____ having its registered office at _____ with reference to our bid _____ against Tender Enquiry Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh, declare that in case, at a later date, any of the document submitted in our bid referred above is found to be false/forged or fabricated, I shall be held responsible for the same and Consultant / Owner has every right to take action against me and my company, as deemed fit as per provisions of the bidding documents including Consultant/Owner's right to put our company on Holiday/Black list for future business.

Specimen Signature of Authorized Representative:

Signature: _____

Name & Designation (CEO or CFO or Company Secretary):



APPENDIX-8: NO DEVIATION CERTIFICATE

Date: _____

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: No Deviation Certificate – Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Dear Sir / Madam,

We, _____ (Bidder's full name and address), hereby confirm our acceptance of all terms and conditions mentioned in Bidding Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh and all subsequent amendments thereto, without any deviations, exceptions, or qualifications.

We specifically confirm:

- The proposed technology is Vanadium Redox Flow Battery (VRFB) as mandated.
- The proposed system shall deliver 20 MW / 120 MWh (net AC at 132 kV POI) as specified.
- We accept the Scheduled Commissioning Date of 18 months from Effective Date of EPC Contract.
- We accept the 10-year comprehensive O&M obligation from COD.
- We accept all Liquidated Damages clauses as specified in the SCC.
- We accept all Bank Guarantee requirements (EMD, CPBG, O&M cum EPBG, Advance Payment Security, O&M Performance Security).
- [If any minor deviations exist, they are listed separately on a separate sheet with justification.]

SEAL AND SIGNATURE OF BIDDER:

Date: _____



APPENDIX-9: DECLARATION ON BIDDER'S RELATION TO DIRECTORS

Date: _____

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: Declaration of Relationship with Directors – Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Dear Sir / Madam,

This has reference to our proposed Contract for "EPC Package for Design, Engineering, Supply, Erection, Testing, Commissioning and Ten (10) Years Comprehensive Operation & Maintenance of 20 MW / 120 MWh Vanadium Redox Flow Battery (VRFB) Based Battery Energy Storage System (BESS) at GIPCL 165 MW Gas Based Power Plant Complex, Baroda (Plot-B), Vadodara, Gujarat" vide Bidding Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh issued by GIPCL.

For the purpose of Section 297/299 of the Companies Act, 1956 (and corresponding provisions of the Companies Act 2013), we certify that to the best of my/our knowledge:

- i) I am not a relative of any Director of GIPCL;
- ii) We are not a firm in which a Director of GIPCL or its relative is a partner;
- iii) I am not a partner in a firm in which a Director of GIPCL, or its relative, is a partner;
- iv) We are not a private company in which a Director of GIPCL is a member or director;
- v) We are not a company in which Directors of GIPCL hold more than 2% of the paid-up share capital of our company or vice versa.

Authorised Signatory of the Contracting Party:

Place: _____

Date: _____



APPENDIX-10: FORMAT OF POWER OF ATTORNEY AS AUTHORIZED SIGNATORY

(On a non-judicial stamp paper of appropriate value, duly notarized)

Know all men by these presents, We _____ (Name and registered office address of the Firm) do hereby irrevocably constitute, nominate, appoint, and authorise Mr./Ms. _____ (Name), bearing PAN _____, currently employed as _____ (Designation) at our above-mentioned office, as our true and lawful attorney (hereinafter referred to as 'the Attorney') to do in our name and on our behalf all such acts, deeds, and things as are necessary or required in connection with, or incidental to, submission of our Bid for the above package, including but not limited to:

- Signing and submitting the Bid and all documents forming part of the Bid;
- Signing and submitting all correspondence with GIPCL regarding this Bid;
- Negotiating and executing the Contract Agreement on behalf of our company;
- Furnishing all Bank Guarantees, securities, and other documents as required under the Contract.

AND we hereby agree to ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, _____, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS _____ DAY OF _____, 20____.

For _____ (Company Name)

Signature, Name, Designation and Address:

Witnesses:

1. _____

2. _____

Accepted & Notarised:

Signature, Name, Designation and Address of the Attorney:

Notes:

- The mode of execution of the Power of Attorney should be in accordance with the applicable law and the charter documents of the entity.
- For a Power of Attorney executed overseas, the document must be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being executed.
- The Bidder should submit relevant board resolution / charter documents authorising the executing person to grant such Power of Attorney.



APPENDIX-11: FORMAT OF SUMMARY OF AUDITED FINANCIAL STATEMENTS

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: Summary of Financial Statements – Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Dear Sir / Madam,

This is to certify that _____ [Insert name of Bidder] ('The Bidder'), having its Registered Office at _____ [Insert address], has achieved the following financial performance in the last three financial years:

Financial Year	Annual Turnover (INR Crore)	Net Worth (INR Crore)	Audited Statement Attached?
			Yes / No
			Yes / No
			Yes / No

All figures indicated herein are arrived at from the Audit Reports of the Bidder duly submitted to the Income Tax Department of India. All figures are calculated as per the guidelines mentioned in the Bidding Documents.

Notes:

- If the Bidder is seeking financial qualification based on the financial standing of the Parent Company, a similar certificate summarising the financial statements of the Parent Company must also be enclosed.
- All audited statements to be attached by the Bidder as part of the Bid.

[Official Seal of Chartered Accountant]

Chartered Accountant Name:
Place:

Firm Name:

Firm Registration No.:

Date:



APPENDIX-12: FORMAT FOR AVAILABILITY OF UNUTILIZED LINE OF CREDIT

(To be printed on Letter Head of Bank)

DECLARATION FROM THE BANK FOR AVAILABILITY OF UNUTILIZED LINE OF CREDIT

Ref: _____

Date: _____

We _____, a Bank having our registered office address _____ confirm that the Company M/s _____, having its registered office at _____ is having account with our bank.

Presently, the credit limits of the company are as follows:

Fund Based Line of Credit (Working Capital / CC Limit)	Amount (Currency: _____)
Sanctioned Line of Credit	
Utilized Line of Credit	
Balance (Unutilized) Line of Credit	

[Bank to specify as applicable]

- We declare that we are a scheduled bank in India; OR
- We declare that we are a commercial bank having Net worth more than equivalent INR 1000 Million as per latest audited financial statements.

Signature: _____

Name: _____

Designation: _____

e-mail ID: _____

Phone number: _____



APPENDIX 13: DELETED



APPENDIX-14: FORMAT OF FINANCIAL PROPOSAL (SCHEDULE OF PRICES)

To,

J.A.Shah

Additional General Manager(RE Proj.& Business Development)

Gujarat Industries Power Company Limited

P.O.: Ranoli-391 350,

Dist: Vadodara, Gujarat, India

Ph:0265-2234422

(M) 9909925811

Sub: Financial Proposal for EPC Package for Design, Engineering, Supply, Erection, Testing, Commissioning and Ten (10) Years Comprehensive Operation & Maintenance of 20 MW / 120 MWh Vanadium Redox Flow Battery (VRFB) Based Battery Energy Storage System (BESS) at GIPCL 165 MW Gas Based Power Plant Complex, Baroda (Plot-B), Vadodara, Gujarat

Ref: Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

I/We, _____, present the Financial Proposal for the above subject package.

I/We confirm:

- Rates quoted are firm and fixed for the entire contract period – not subject to price adjustment.
- Prices are inclusive of all taxes, duties, levies, freight, insurance, and all other charges
- GST shall be payable as per applicable rates at the time of payment.
- The rates quoted are valid for 180 days from the date of opening of the Price Bid.
- Financial Bid shall be submitted online through N-Procure Portal only.

Bidder shall provide filled Volume I Price schedule along with Appendix 14.

Summary of Prices

Part	Component	Amount (INR)
A	Package - A = Initial Capital Cost (inclusive of all taxes, duties & GST) = Sum of price Schedules 1+2+3+4+5 (i.e. Supply + Transportation + Installation + spares + Tools & Tackles) Inclusive of Taxes, Duties and Levies etc.)	
B	First year comprehensive operation & maintenance cost Ceiling shall be 0.80% of Package-A capital cost.	In %
	Annual Escalation Rate on O&M Cost (Ceiling: 2.50%)	In %

Note: E-Reverse Auction shall be conducted after opening of Price Bids. Minimum decrement shall be intimated before start of e-Reverse Auction to Qualified Bidders.



Signature of Authorized Signatory:

Name: _____

Designation: _____

Date: _____

Company Seal: _____

Note on Payment Terms (as per Contract):

Milestone / Stage	Payment (%)	Documents Required
Advance (against Bank Guarantee, upon acceptance of LOI)	10%	Advance Payment Bank Guarantee
Supply & Receipt at Site	45% (pro-rata)	Inspection & Dispatch Clearance Certificate
Construction (pro-rata)	30% (pro-rata)	Site Acceptance Report
Against Successful Commissioning (PAC)	10%	Provisional Acceptance Certificate (PAC)
Final Acceptance (OAC/ FAC at end of DLP)	5%	Final Acceptance Certificate (FAC/OAC)
TOTAL	100%	

**APPENDIX-15: LIST OF BANKS FOR BANK GUARANTEE**

Bank Guarantees and Insurance Surety Bonds submitted towards Bid Security (EMD), Contract Performance Security (CPBG), Advance Payment Security, and Equipment Performance Bank Guarantee (EPBG) shall be from any of the following Scheduled Commercial Banks / IRDAI-registered insurers:

Sr. No.	Name of Bank / Institution
1	All Nationalised Banks (State Bank of India, Bank of Baroda, Punjab National Bank, Union Bank of India, Canara Bank, Indian Bank, Bank of India, etc.)
2	Axis Bank Limited
3	HDFC Bank Limited
4	ICICI Bank Limited
5	Kotak Mahindra Bank Limited
6	IndusInd Bank Limited
7	Federal Bank Limited
8	Bandhan Bank Limited
9	Standard Chartered Bank
10	AU Small Finance Bank Limited
11	Yes Bank Limited (subject to GIPCL approval)
12	IDBI Bank Limited
13	Any other Scheduled Commercial Bank as approved by GIPCL in writing
14	Insurance Surety Bonds from IRDAI-registered insurance companies (subject to GIPCL acceptance in writing)

Important Notes:

- Bank Guarantees from Cooperative Banks, Regional Rural Banks (RRBs), or Non-Scheduled Banks shall NOT be acceptable.
- The Bank Guarantee shall be submitted on non-judicial stamp paper of appropriate value as per stamp duty applicable at the place of execution.
- The Bank Guarantee shall be in the exact proforma provided in Appendices 18(a), 18(b), 18(c), and Annexure A2. No deviations from the proforma shall be acceptable.
- The full address, telephone, fax, and email address of the issuing bank branch shall be mentioned in the Bank Guarantee.
- All Bank Guarantees and related communications shall be forwarded to: Gujarat Industries Power Company Limited, P.O. Ranoli - 391 350, Vadodara, Gujarat.



APPENDIX-16(A): FORMAT OF BANK GUARANTEE FOR BID SECURITY (EMD)

(To be executed on non-judicial stamp paper of appropriate value, duly signed on each page)

B.G. No.: _____ Date: _____

WHEREAS M/s. Gujarat Industries Power Company Limited, having its Corporate Office at P.O. Ranoli - 391 350, Dist.: Vadodara, Gujarat State, India (hereinafter called 'The Company / Owner'), desires to purchase the 20 MW / 120 MWh VRFB-based BESS at GIPCL 165 MW Gas Power Plant Complex, Vadodara, as per Bidding Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh;

AND WHEREAS M/s. _____ (hereinafter called 'the Tenderer') has submitted a Bid dated _____ for the above package and is required to furnish a Bank Guarantee for Bid Security (Earnest Money Deposit) of INR 1,10,00,000/- (Indian Rupees One Crore ten lakh Only);

We, _____ Bank, having its branch office at _____, do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that the Tenderer has:

- Withdrawn or modified its Bid after opening of the Techno-Commercial Bid and during the bid validity period; or
- Failed to furnish the Contract Performance Security within 28 days of the Letter of Award; or
- Committed any fraud or misrepresentation in the Bid.

We undertake to pay to the Company any money so demanded notwithstanding any dispute or disputes raised by the Tenderer in any suit or proceeding pending before any office, court, or tribunal relating to the demand. Our payment under this guarantee shall be absolute and unconditional.

The guarantee herein contained shall not be determined or affected or suspended by the liquidation or winding up, dissolution, or change of constitution or insolvency of the said Tenderer but shall in all respects and for all purposes be binding and operative until payment of all money due to the Company in pursuance hereof.

The Bank further unconditionally agrees with the Company that the Company shall be at liberty, without the Bank's consent and without affecting in any manner the Bank's obligations hereunder, to:

- Vary and / or modify any of the terms and conditions of the Bid / Agreement;
- Extend and / or postpone the time for performance of the obligations of the Tenderer; or
- Forbear or enforce any of the rights exercisable by the Company against the Tenderer.

NOTWITHSTANDING anything contained hereinbefore, our liability under this guarantee shall not exceed INR 1,10,00,000/- (Indian Rupees One Crore Ten Lakh Only) and shall remain in force till _____ (date: 180 days from the bid submission deadline).



Note: BGs to be furnished from any of the banks listed at Appendix 15.

Date:	_____ Bank
Place:	Corporate Seal of the Bank
	By its Constituted Attorney
	Signature of duly Authorised Person
	On behalf of the Bank
	With Seal & Signature Code



APPENDIX-16 (B): FORMAT OF BANK GUARANTEE FOR CONTRACT PERFORMANCE SECURITY (CPBG)

(To be executed on non-judicial stamp paper of appropriate value, duly signed on each page)

BG No.: _____ Date: _____

WHEREAS M/s. Gujarat Industries Power Company Limited, having its Corporate Office at P.O. Ranoli - 391 350, Vadodara, Gujarat (hereinafter called 'The Company / Owner');

AND WHEREAS M/s. _____ (hereinafter called 'the Contractor') has been awarded the Contract for EPC Package for 20 MW / 120 MWh VRFB BESS at GIPCL 165 MW Gas Power Plant Complex, Vadodara, vide LOA / Contract Agreement No. _____ dated _____, for a total Contract Price of INR _____ and is required to furnish a Contract Performance Security (CPBG) equivalent to 10% of the Contract Price (excluding O&M cost) = INR _____ (Indian Rupees _____ Only);

We, _____ Bank, having its branch office at _____, do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that the Contractor has failed to duly perform any of its obligations under the Contract.

This Bank Guarantee shall be valid up to and including _____ (date: 120 days beyond end of Defect Liability Period). In the event of any delay in completion of the Contract, the validity of this Bank Guarantee shall be extended accordingly by the Contractor without further demand from the Company.

NOTWITHSTANDING anything contained hereinbefore, our liability under this guarantee shall not exceed INR _____ (Indian Rupees _____ Only).

Note: BGs to be furnished from any of the banks listed at Appendix 15.

Date:	_____ Bank
Place:	Corporate Seal of the Bank
	Signature of duly Authorised Person on behalf of the Bank
	With Seal & Signature Code



**APPENDIX-16(C): FORMAT OF BANK GUARANTEE FOR O&M CUM EQUIPMENT
PERFORMANCE (EPBG)**

(To be executed on non-judicial stamp paper of appropriate value, duly signed on each page)

Reference No.: _____ Bank Guarantee No.: _____ Dated: _____

To,

Additional General Manager (RE Projects & BD)

Gujarat Industries Power Company Limited

PO: Ranoli - 391 350,

Dist.: Vadodara, Gujarat, India

Dear Sir,

WHEREAS M/s. _____ [Insert name of Contractor] with address _____ has been awarded the Contract for EPC Package for 20 MW / 120 MWh VRFB BESS at GIPCL 165 MW Gas Power Plant Complex, Vadodara;

AND WHEREAS an Equipment Performance Bank Guarantee (EPBG) for INR _____ [5% of Main Contract Price excluding O&M], valid till _____ [end of 10-year O&M Period plus 90 days], is required to be submitted by the Contractor as per the terms and conditions of the Contract;

We, _____ [Insert name of the Bank and address of branch] hereby give this Bank Guarantee No. _____ dated _____, and hereby agree unequivocally and unconditionally to pay immediately on demand in writing from GIPCL any amount up to INR _____ without demur, question, or protest.

This O&M cum EPBG shall be subject to annual partial release of 2.5% of the total O&M cum EPBG value per year upon successful and compliant O&M performance, from Year 2 onwards, as certified by GIPCL. The balance shall be released at the end of the 10-year O&M Period subject to satisfactory performance and clearance of all outstanding LD claims.

NOTWITHSTANDING anything contained hereinbefore, our liability under this guarantee shall not exceed INR _____ (Indian Rupees _____ Only).

This guarantee shall be valid up to and including _____ [Insert date: end of 10-year O&M plus 90 days].



Attested:	_____ [Signature] (Notary Public)
Place:	
Date:	
	_____ [Signature of Bank's Authorised Signatory]
	[Insert address of Bank Branch with postal code, telephone, fax, and email]



APPENDIX-17: CONTRACT AGREEMENT PROFORMA

This Agreement is made at VADODARA on the _____ day of _____ in the year Two Thousand and Twenty-Six (2026)

BETWEEN:

Gujarat Industries Power Company Limited (GIPCL), a company incorporated under the Indian Companies Act, having its registered office at P.O. Ranoli - 391 350, Dist.: Vadodara, Gujarat, India (hereinafter called 'The Owner / GIPCL' or 'The Employer', which expression shall include its successors and assigns),

AND:

M/s. _____ (hereinafter called 'The Contractor'), a company incorporated under the Companies Act, having its registered office at _____, (which expression shall include its successors and permitted assigns).

WHEREAS GIPCL desires that the Contractor shall design, engineer, supply, erect, test, commission, and operate & maintain the 20 MW / 120 MWh VRFB-Based Battery Energy Storage System (BESS) at GIPCL 165 MW Gas Power Plant Complex, Vadodara, Gujarat (the 'Project'), as detailed in the Contract Documents;

AND WHEREAS the GIPCL has accepted the Bid of the Contractor submitted in response to Bidding Document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh for the execution and completion of the Project for a total Contract Price of INR _____ (Rupees _____ only);

NOW THIS AGREEMENT WITNESSES AND IT IS HEREBY AGREED AND DECLARED THAT:

1. The Contractor shall do and perform all works and things described, mentioned, and implied in the Contract Documents, and shall complete the Project to the satisfaction of GIPCL in strict conformance with the Contract Documents.
2. The total Contract Price for the complete scope of work (excluding 10-year O&M) shall be INR _____ (Rupees _____ only) as per the accepted Price Bid, subject to such additions or deductions as may be made in accordance with the provisions of the Contract.
3. The Scheduled Commissioning Date (SCD) for full capacity (20 MW / 120 MWh) shall be _____ (18 months from the date of this Agreement or date of LOA, whichever is earlier).
4. The Contractor shall furnish a Contract Performance Security (CPBG) equivalent to 10% of the Contract Price (excluding O&M cost) within 28 days of the date of this Agreement, in the proforma specified in Appendix 16(b).
5. The conditions and covenants stipulated in the Bidding Documents including GCC, SCC, and Technical Specifications are subject to and without prejudice to the rights of GIPCL to enforce Liquidated Damages, penalty for delays, and any other rights whatsoever, provided in and conferred by the Contract Documents.
6. Any modification to the Contract value, completion dates, specifications, or other terms shall be by mutual written agreement and shall not be deemed or construed to affect the rights and obligations of the parties except to the extent of such agreed modification.



SCHEDULE — List of Documents Forming Part of the Contract

1. This Contract Agreement and Appendices
2. Bidding Document No.GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh and all Amendments thereto
3. Letter of Award (LOA) No. _____ dated _____
4. Special Conditions of Contract (SCC)
5. General Conditions of Contract (GCC)
6. Technical Specifications
7. Schedule of Prices (Accepted Price Bid)
8. Contractor's Techno-Commercial Bid dated _____

In witness whereof, the parties hereto have set their hands and seals this day, month, and year first above written.

Signed, Sealed and Delivered by:	Signed, Sealed and Delivered by:
For and on behalf of GIPCL:	For and on behalf of M/s. _____
Signature:	Signature:
Name:	Name:
Designation:	Designation:
Official Seal:	Official Seal:
Date:	Date:
Witnesses:	Witnesses:
1. Name & Address:	1. Name & Address:
2. Name & Address:	2. Name & Address:



APPENDIX-18: FORMAT FOR PRE-BID QUERIES

Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Pre-Bid Conference Date: _____

Sr. No.	Chapter Clause / Appendix Reference	Page / No.	Existing Clause / Requirement (as per Bidding Document)	Query / Clarification Sought	Proposed Alternative / Suggestion (if any)
1					
2					
3					
4					
5					

Note: All queries must be submitted in writing to the designated GIPCL contact person at least three (3) working days before the Pre-Bid Conference. Queries submitted after the specified deadline or in any format other than the above table shall not be entertained.

Signature of Authorised Signatory:

Name of Bidder / Organization: _____

Date: _____



APPENDIX-19: DELETED



APPENDIX-20: FORM OF DECLARATION OF ELIGIBILITY

(On the letter head of Company)

Ref. No.:

Date:

I/ We, M/s hereby certify that I/we have not been declared blacklisted/banned/de-listed/debarred from similar business by State/Central Govt. departments or Government Under takings in accordance with Clause No. 3.5.0 (v) of Section-1, Vol.-I of RFP document No. GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh dtd: ____on Banning of Business Dealings.

(Seal & Signature of the Bidder)



APPENDIX-21: FORMAT FOR CONFIDENTIALITY UNDERTAKING

CONFIDENTIALITY UNDERTAKING

(On Company Letter Head with seal)

I, _____{**Name of Authorized Person**} on behalf of (**[Name of Bidder]**)

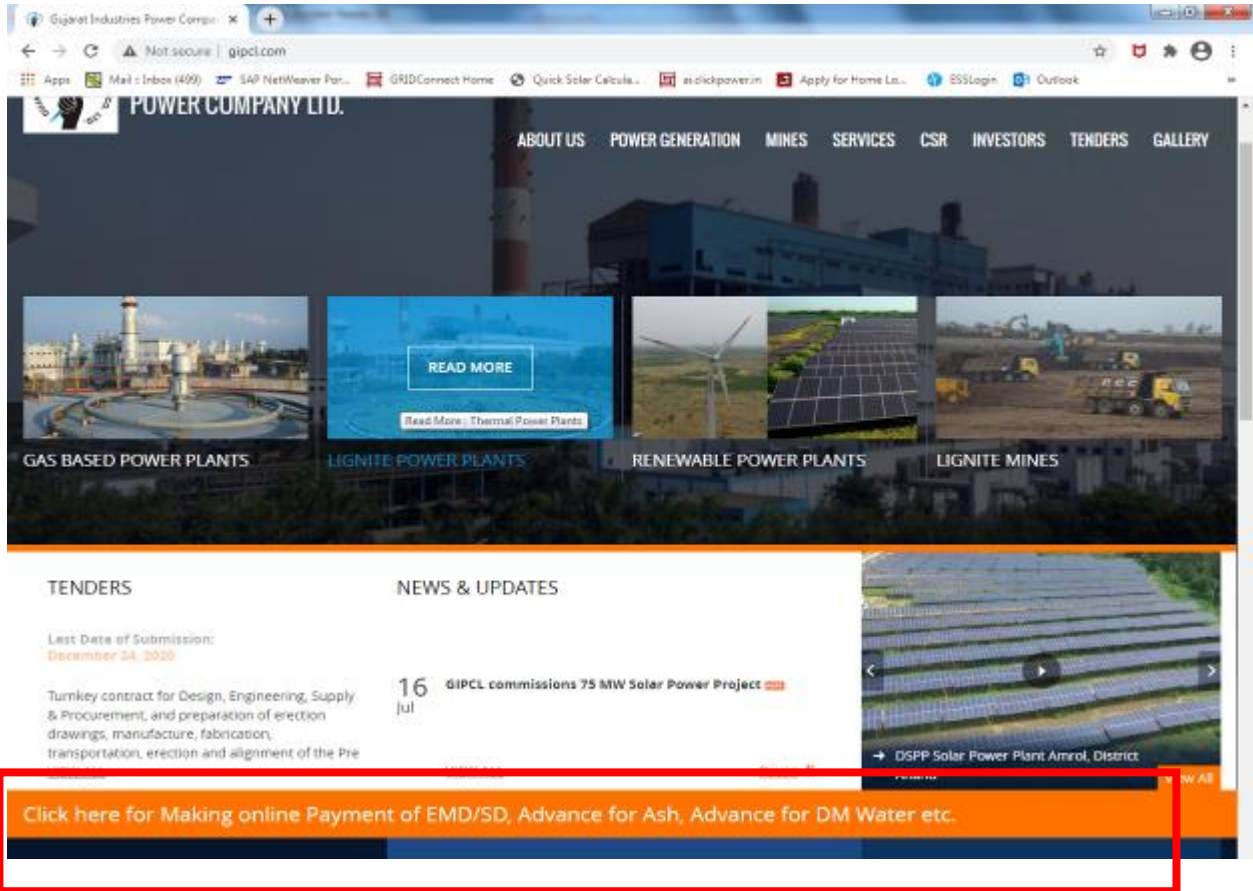
Undertake to GIPCL that:

1. I undertake to keep confidential at all the times information obtained directly, indirectly thorough written, verbal or any other means during working for this assignment. I undertake not to disclose, publish, reveal, copy, transmit, quote, use any of the information in full or part, data, drawings, documents, photographs or any other literature to anyone during the course of assignment and thereafter in future either by the Company or any individual. The undertaking shall be binding to Bidding Firm including its successor/assignee as a whole and all individuals assigned to the task irrespective of their association with Bidding Firm in future.
2. I acknowledge that damages are not a sufficient remedy for any breach of this Undertaking and that GIPCL is entitled to specific performance or injunctive relief (as appropriate) as a remedy for any breach or threatened breach of this Undertaking, in addition to any other remedies available to GIPCL as per law.
3. I acknowledge that this Undertaking is governed by the law in force in India and I agree to submit to jurisdiction of the court of Vadodara, Gujarat.
4. I undertake to sign Non-Disclosure Agreement (NDA) in case of assigning the job.



APPENDIX-22 PROCEDURE FOR ONLINE PAYMENT (TRANSFER OF TENDER FEE/EMD)

- 1) Visit www.gipcl.com and click the online payment option



- 2) It will redirect to following page. Now click on payment form



- 3) Now select EMD/Tender fees option and fill required details. Wherever details are not available with bidder like party code, they can enter Not Applicable.



The screenshot shows the 'Payment Type Master Form' in a web browser. The form is titled 'Payment Type Master Form' and includes a 'PAST PAYMENT' button. It contains several input fields: 'Select Type of Payment' (dropdown menu), 'Enter Party Code', 'Enter Name of Party', 'Enter GST No', 'Enter PAN No', 'Enter Email Id', 'Enter Phone Number', 'Enter Mobile Number', 'Enter Address', 'Select Location' (dropdown menu), 'Enter Payment amount', and 'Enter Additional remarks'. A 'SUBMIT' button is located at the bottom right of the form.

4) After filling required details click on submit button.

The screenshot shows the 'Payment Type Master Form' with the following filled details: 'Select Type of Payment' is 'Tender fees', 'Enter Party Code' is 'Not Applicable', 'Enter Name of Party' is 'xyz', 'Enter GST No' is 'xyz', 'Enter PAN No' is 'XYZ', 'Enter Email Id' is 'abc@domain.com', 'Enter Phone Number' is '98998', 'Enter Mobile Number' is '998999', 'Enter Address' is 'xyz', 'Select Location' is 'SOLAR', 'Enter Payment amount' is '2500', and 'Enter Additional remarks' is 'DPS /GEOTECH TENDER'. The 'SUBMIT' button is highlighted with a red box.

5) Now make a payment with suitable option and take screenshot and upload with online bid.



GUJARAT INDUSTRIES POWER COMPANY LTD

AXIS BANK

Complete your payment

Your transaction details

Merchant	GUJARAT INDUSTRIES POWER COMPANY LTD
Order Id	GIPCL512200002INR2950
Amount	₹ 2,950.00

Payment options Secured by JusPay Locker™. [Learn more.](#)

Credit/Debit Card **Net Banking** UPI

Card number

Name on card

Expiry (mm/yy)

Make Payment ₹ 2,950

VERIFIED by VISA MasterCard SecureCode PCI Certified Powered by JUSPAY



APPENDIX-23: BID EVALUATION CRITERIA

A. Technical Evaluation

Bids shall first be evaluated for technical and commercial responsiveness. Only technically and commercially responsive bids shall be considered for price evaluation. A bid shall be considered technically responsive if:

- Bidder meets all Qualification Requirements (technical and financial) as specified in section-1 of the Bidding Documents.
- Proposed technology is Vanadium Redox Flow Battery (VRFB) – no other technology is acceptable.
- Proposed VRFB system meets all performance parameters specified in section-5 (RTE ≥70%, zero degradation, ≥95% availability, 25-year design life, ≥20,000 cycles, ≥1.5 cycles/day).
- Bid is complete, properly signed and accompanied by valid Bid Security (EMD of Rs. 1.1 Crore).
- No material deviations from the Bidding Document requirements are proposed.

B. Price Evaluation Methodology

Evaluation Basis

Bid evaluation is done on Total Project Cost (TPC) basis combining Initial Capital Cost and O&M cost of 10 years.

Evaluation Formula

Total Evaluated Project Cost P (INR) = PACKAGE-A i.e. Initial capital cost (Schedule 1 to 5) + PACKAGE-B i.e. O&M COST (Schedule 6)

Package - A Capital Cost	Package-A: Capital Cost Initial Capital Cost, inclusive of all taxes, duties, GST, levies, etc., shall be the sum of price Schedules 1+2+3+4+5, namely Supply, Transportation, Installation, Spares, and Tools & Tackles
Package - B – O&M COST	Package-B: O&M Cost Package-B shall be the Present Value of 10-year O&M cost, discounted at 8.5% per annum. The bidder shall quote (As per Price Schedule -6) first-year O&M cost as a percentage of Package-A cost, along with the annual escalation factor. The ceiling for first-year O&M cost shall be 0.8% of Package-A per year, with annual escalation capped at 2.5%.
Total evaluated bid price	Total evaluated bid price $P = A + B$ (Lower 'P' determines L1 Bidder) Notes: (1) All prices are firm and not subject to price adjustment. (2) GST as per prevailing regulation. (3) Final L1 determination post E-Reverse Auction. <u>E-reverse auction</u> 1. For conducting e-Reverse Auction, lowest 50% out of total eligible Bidders (rounded to the next higher whole number) or at least 03 (three) nos. of eligible bidders L1 to L3 (whichever is higher) will be invited. 2. Original L1 price (including GST) will be declared through nProcure's e-



	<p>Auction Portal: https://e-auction.nprocure.com to start e-Reverse auction process and final received lowest auction price in the value by e-Reverse auction process will be the final L1 price.</p> <ol style="list-style-type: none">3. Minimum decremental value for the e-Reverse auction will be set by GIPCL prior to start of e-Reverse auction and this will be applicable during each reverse bid hit.4. Duration for the e-Reverse auction will be 60 Minutes with a provision of extensions for further 15 Minutes at every single reverse bid received during the last 05 minutes, till there is no further reverse bid entry (hit) by the participating Bidders.5. Evaluation of tender will be done on gross total quoted amount with GST.6. After e-Reverse Auction process, final L1 bidder shall be decided on lowest offered rate amongst other bidders during specified e-Reverse Auction process.7. After e-Reverse Auction process, the original rate quoted by the final L1 bidder shall be reduced proportionately based on total % reduction from their original quoted gross price v/s price derived after e-reverse auction, keeping GST percentage (%) rate same as originally quoted by final L1 bidder.8. Prorata reduction will be applied in the quoted rates for all the items after price discovery through e-Reverse Auction.
--	--

INSTRUCTIONS TO BIDDER

1. Bidder has to fill the 'Package-A (Capital Cost)' sheet and enter the lump-sum price for each Schedule (1 to 5). All prices must be INCLUSIVE of all taxes, duties and GST.
2. Bidder has to enter the Annual O&M cost for Year 1 as a PERCENTAGE of Package-A capital cost. The percentage shall NOT exceed 0.80%.
3. Bidder has to Enter the Annual Escalation Rate (%) for O&M costs. This rate shall NOT exceed 2.50% per year.
4. The sheet will automatically calculate Year-wise O&M costs, apply NPV factors, and compute the Total Evaluated Project Cost 'P'.
5. Only required cells has to be filled by bidder.
6. Any bid where the O&M % exceeds 0.80% or the escalation rate exceeds 2.50% will be flagged as NON-COMPLIANT and will be rejected.
7. The 'Bid Evaluation Summary' sheet provides the final evaluated cost 'P = Package-A + NPV of Package-B' used for L1 determination.

(Illustrations)

- (a) **Price Schedule Structure (Submission Mode on N-procure only). Please refer Volume I Sec 8 Price schedule.**

Sr.	Schedule / Description	Schedule No.	Amount Quoted by Bidder (INR)	Remarks
1	Ex-works Supply of Plant & Equipment (incl. Type Test charges) – VRFB System, Electrical, Mechanical, C&I, etc.	Schedule 1	1,500,000,000.00	Bidder to enter lump-sum amount (incl. GST)
2	Local Transportation & Inland Insurance incidental to delivery – All Equipment & Mandatory Spares	Schedule 2	100,000,000.00	Bidder to enter lump-sum amount (incl. GST)
3	Installation Services for VRFB Project – BESS, Electrical, Mechanical, C&I, Civil, Safety Compliance	Schedule 3	250,000,000.00	Bidder to enter lump-sum amount (incl. GST)



4	Mandatory Spares (as per Technical Specification)	Schedule 4	100,000,000.00	Bidder to enter lump-sum amount (incl. GST)
5	Tools & Tackles (as per Technical Specification)	Schedule 5	10,000,000.00	Bidder to enter lump-sum amount (incl. GST)
PACKAGE-A – TOTAL CAPITAL COST (A) = Sum of Schedules 1 to 5			1,960,000,000.00	Auto-calculated / Used in Package-B ceiling check

(Illustrations)

PACKAGE-B – O&M COST (Schedule 6), 10-Year NPV Evaluation, Discount Rate: 8.5% p.a.

O&M Year (N)	NPV Factor
1	0.92166
2	0.84946
3	0.78291
4	0.72157
5	0.66505
6	0.61295
7	0.56493
8	0.52067
9	0.47988
10	0.44229

STEP 1 – BIDDER INPUTS (Enter values only in respective cells),		
Package-A Capital Cost (A) [Auto-linked from Package-A sheet]	1,960,000,000.00	
Annual O&M Cost for Year-1 as % of Package-A (Ceiling: 0.80%)	(Quoted by Bidder) e.g. 0.75%	(within 0.8% ceiling)
Annual Escalation Rate on O&M Cost (Ceiling: 2.50%)	(Quoted by Bidder) e.g. 2.50%	(within 2.5% escalation ceiling)
Important: The O&M % and Escalation Rate entered above must comply with the ceiling conditions. Non-compliant bids will be REJECTED without evaluation.		



O&M Year (N)	Annual O&M Cost – Year 1 Ceiling (0.80% of Package-A) (INR)	Annual O&M Cost – Quoted by Bidder with Annual Escalated by escalation factor (INR)	NPV Factor @ 8.5% p.a.	Discounted O&M Cost (NPV) (INR)	Cumulative NPV (INR)
1	15680000	1,24,50,000.00	0.92166	1,35,48,387.10	1,35,48,387.10
2		1,27,61,250.00	0.84946	1,27,99,167.53	2,63,47,554.63
3		1,30,80,281.25	0.78291	1,20,91,379.47	3,84,38,934.10
4		1,34,07,288.28	0.72157	1,14,22,731.75	4,98,61,665.85
5		1,37,42,470.49	0.66505	1,07,91,059.95	6,06,52,725.81
6		1,40,86,032.25	0.61295	1,01,94,319.31	7,08,47,045.12
7		1,44,38,183.06	0.56493	96,30,578.15	8,04,77,623.27
8		1,47,99,137.63	0.52067	90,98,011.62	8,95,75,634.88
9		1,51,69,116.07	0.47988	85,94,895.77	9,81,70,530.65
10		1,55,48,343.98	0.44229	81,19,601.99	10,62,90,132.64
PACKAGE-B – TOTAL NPV OF 10-YEAR O&M COST (B)			SUM →	106290132	106290132

EVALUATED COST COMPONENTS				
Code	Description	Amount (INR)	Amount (INR Crore)	Remarks
A	Package-A: Initial Capital Cost up to Commissioning (Sum of Schedules 1+2+3+4+5, incl. all taxes, duties & GST)	1,960,000,000.00	196.00	<i>Firm, lump-sum, price-fixed</i>
B	Package-B: NPV of 10-Year O&M Service Cost (Discounted @ 8.5% p.a. O&M Ceiling: 1% of A p.a. Escalation Ceiling: 2.5% p.a.)	106290132	10.62	<i>NPV of 10-yr O&M O&M ceiling = 1% of A</i>
P	TOTAL EVALUATED BID PRICE P = A + B (Lower 'P' determines L1 Bidder)	206,62,90,132	206.629 Cr	1) L1 = Lowest 'P' among all qualified bids 2) Final L1 determination post E-Reverse Auction.

NOTE: This is only example. There is an e-Reverse Auction after opening of the Financial Bid where the Bidder has to give discount as per the procedure of the e-Reverse Auction.



C. Notes on Evaluation

- GIPCL reserves the right to load any unquantified deviation with an appropriate cost for comparison purposes.
- Material deviations from technical specifications shall render a bid non-responsive and liable for rejection.
- GIPCL's decision on the materiality of any deviation shall be final and binding.
- E-Reverse Auction shall be conducted after opening of the Financial Bid, at GIPCL's discretion. Minimum decrement shall be intimated before start of e-Reverse Auction to Qualified Bidders.
- GIPCL reserves the right to accept or reject any or all bids without assigning any reason.



APPENDIX-24: DECLARATION ON PROCUREMENT FROM SUB-VENDOR /OEM'S

DECLARATION

I, _____ S/o/D/o of _____, working as
CEO/CFO/Company Secretary (indicate, as applicable) of the Company
_____ having its registered office at
_____ with reference to our bid _____ against
your Tender Enquiry document _____, declare that " I have read the clause
regarding restrictions on procurement from a bidder of a OEM/Sub-vendor of a country which shares a
land border with India; I certify that this OEM/Sub-vendor is not from such a country or, if from such a
country, has been registered with the Competent Authority. I hereby certify that this OEM/Sub-vendor
fulfills all requirements in this regard and is eligible to be considered for procurement on GeM. (Where
applicable, evidence of valid registration by the Competent Authority shall be attached)".

Specimen Signature of authorized representative

Signature

Name & Designation (CEO or CFO or Company Secretary)



APPENDIX-25: INSURANCE REQUIREMENTS

A) Insurances to be taken out by the Contractor

In accordance with the provisions, the Contractor shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurances set forth below in the sums and with the deductibles and other conditions specified. The identity of the insurers and the form of the policies shall be subject to the approval of the Owner, such approval not to be unreasonably withheld. The inability of the insurers to provide insurance cover in the sums and with the deductibles and other conditions as set forth below, shall not absolve the Contractor of his risks and liabilities. However, in such a case the Contractor shall be required to furnish to the Owner documentary evidence from the insurer in support of the insurer's inability as aforesaid.

(a) Marine Cargo Policy/Transit Insurance Policy:

(I) Marine Cargo policy for imported equipment

The Contractor shall take the Marine Cargo Policy for Plant and Equipment including Spares to be supplied from abroad wherein export/import including inland transit is involved for the movement of the Plant and Equipment including Spares. The policy shall cover movement of Plant and Equipment including Spares from the manufacturer's works to the project's warehouse at final destination site. The policy shall cover all risk for loss or damage that may occur during transit of Plant and Equipment including Spares from the Contractor/sub-Contractor's works or stores until arrival at project's warehouse/ store at final destination. Institute Cargo Clause (ICC) 'A' along with war & Strike Riots & Civil Commotion (SRCC) cover shall be taken.

(II) Transit Insurance Policy for indigenous equipment

Similarly, Transit Insurance Policy shall be taken wherein only inland transit is involved for the movement of Plant and Equipment including Spares supplied from within India. The policy shall cover movement of Plant and Equipment including Spares from the manufacturer's works to the project's warehouse at final destination site. Inland Transit Clause (ITC) 'A' along with Strike Riots & Civil Commotion (SRCC) extension cover shall be taken.

Amount	Deductible Limits	Parties insured	From	To
120% of CIP Entry Border Point Price /CIF Indian Port of Entry Price of all the Plant and Equipment including Spares to be supplied from abroad plus customs duties (including BCD, GST, Cess etc.) on merit rate and 120% of Ex-work Price of all the Plant and Equipment including Spares to be supplied from within India plus GST, if additionally payable.	Nil	Contractor & Owner	Mfrs ware-house	Project's ware-house store at final destination

(II) If during the execution of Contract, the Owner requests the Contractor to take any other add-on cover(s)/ supplementary cover(s) in aforesaid insurance, in such a case, the Contractor shall promptly take such add-on cover(s)/ supplementary cover(s) and the charges towards such premium for such add-on cover(s)/ supplementary cover(s) shall be reimbursed to the Contractor on submission documentary evidence of payment to the Insurance company. Therefore, charges towards premium for such add-on cover(s)/ supplementary cover(s) are not included in the Contract Price.



(III) The Contractor shall take the policy in the joint names of Owner and the Contractor. The policy shall indicate the Owner as the beneficiary. However, if the Contractor is having an open policy for its line of business, it should obtain an endorsement of the open cover policy from the insurance company indicating that the dispatches against this Contract are duly covered under its open policy and include the name of the Owner as jointly Insured in the endorsements to the open policy.

(b) Erection All Risk Policy/Contractor All Risk Policy:

(I) The policy should cover all physical loss or damage to the facility at site during storage, erection and commissioning covering all the perils as provided in the policy as a basic cover and the add on covers as mentioned at Sl. No. (III) below.

Amount	Deductible limits	Parties insured	From	To
105% of CIP Entry Border Point Price /CIF Indian Port of Entry Price of all the Plant and Equipment including Spares to be supplied from abroad plus customs duties (including BCD, GST, Cess etc.) on merit rate and 105% of Ex-work Price of all the Plant and Equipment including Spares to be supplied from within India plus GST, if additionally payable. and 100% of erection price component	Minimum deductible as per Tariff Advisory Committee guidelines* or "As per prevailing IRDAI guidelines and industry tariffs."	Contractor & Owner	Receipt at site of first lot of the Plant and Equipment including Spares	Up to Taking Over by the Owner

* The deductibles as aforesaid shall not absolve the Contractor of his risks and liabilities under the contract provisions for insurance and in case of a claim under the policy, deductibles, if any, shall be to the Contractor's account

(II) The Contractor shall take the policy in the joint name of Owner and the Contractor. All these policies shall indicate Owner as the beneficiary. The policy shall be kept valid till the date of the Taking Over of the project by the Owner and the period of the coverage shall be determined with the approval of the Owner.

If the work is completed earlier than the period of policy considered, the Contractor shall obtain the refund as per provisions of the policy and pass on the benefit to Owner. In case no refund is payable by the insurance company then the certificate to that effect shall be submitted to Owner at the completion of the project.

(III) The following add-on covers shall also be taken by the Contractor:

- i) Earthquake
- ii) Terrorism
- iii) Escalation cost (approximately @10% of sum insured on annual basis)
- iv) Extended Maintenance cover for Defect Liability Period
- v) Design Defect
- vi) Other add-on covers viz., 50-50 clause, 72 hours clause, loss minimization clause, waiver of subrogation clause (for projects of more than Rs.100 crores, cover for offsite storage/fabrication (over Rs.100 crores).



- (IV) Third Party Liability cover with cross Liability within Geographical limits of India as on ADD-on cover to the basic EAR cover:

The third party liability add-on cover shall cover bodily injury or death suffered by third parties (including the Owner's personnel) and loss of or damage to property (including the Owner's property and any parts of the Facilities which have been accepted by the Owner) occurring in connection with supply and installation of the Facilities.

Amount	Deductible limits	Parties insured	From	To
<ul style="list-style-type: none">For projects upto Rs. 100 crores, the third party liability limit shall be 10% of the project value for single occurrence/multiple occurrences in aggregate during the entire policy period.For projects from Rs. 100 crores to Rs. 500 crores, the third party liability limit shall be Rs. 10 crores for single occurrence/multiple occurrences in aggregate during entire policy period. For projects of more than Rs.500 crores, the third party liability limit shall be Rs. 25 crores for single occurrence/ multiple occurrences in aggregate during entire policy period.	Minimum deductible as per Tariff Advisory Committee guidelines* or "As per prevailing IRDAI guidelines and industry tariffs."	Contractor/ Sub-contractor	Receipt at site	Upto Defect Liability Period.

The deductibles as aforesaid shall not absolve the Contractor of his risks and liabilities under the contract provisions for insurance and in case of a claim under the policy, deductibles, if any, shall be to the Contractor's account.

- (c) Automobile Liability Insurance

The Contractor shall ensure that all the vehicles deployed by the Contractor or its Subcontractors (whether or not owned by them) in connection with the supply and installation of the Facilities in the project are duly insured as per Motor Vehicle Act. Further the Contractor or its Subcontractors may also take comprehensive policy(own damage plus third party liability) of each individual vehicles deployed in the project on their own discretion in their own name to protect their own interest.

- (d) Workmen Compensation Policy:

- (I) Workmen Compensation Policy shall be taken by the Contractor in accordance with the statutory requirement applicable in India. The Contractor shall ensure that all the workmen employed by the Contractor or its Subcontractors for the project are adequately covered under the policy.
- (II) The policy may either be project specific covering all men of the Contractor and its Subcontractors. The policy shall be kept valid till the date of Taking Over by the Owner.

Alternatively, if the Contractor has an existing 'Workmen Compensation Policy' for all its employees including that of the Subcontractor(s), the Contractor must include the



interest of the Owner for this specific Project in its existing 'Workmen Compensation Policy'.

- (III) Without relieving the Contractor of its obligations and responsibilities under this Contract, before commencing work the Contractor shall insure against liability for death of or injury to persons employed by the Contractor including liability by statute and at common law. The insurance cover shall be maintained until all work including remedial work is completed including the Defect Liability Period. The insurance shall be extended to indemnify the Principal for the Principal's statutory liability to persons employed by the Contractor.

The Contractor shall also ensure that each of its Subcontractors shall effect and maintain insurance on the same basis as the 'Workmen Compensation Policy' effected by the Contractor.

- (e) Contractor's Plant and Machinery (CPM) Insurance

The Owner (including without limitation any consultant, servant, agent or employee of the Owner) shall not in any circumstances be liable to the Contractor for any loss of or damage to any of the Contractor's Equipment or for any losses, liabilities, costs, claims, actions or demands which the Contractor may incur or which may be made against it as a result of or in connection with any such loss or damage.

The Owner shall be named as co-insured under all insurance policies taken out by the Contractor, except for the Third Party Liability, Workmen Compensation Policy Insurances, and the Contractor's Subcontractors shall be named as co-insureds under all insurance policies taken out by the Contractor except for the Cargo Insurance During Transport, Workmen Compensation Policy Insurances. All insurer's rights of subrogation against such co-insureds for losses or claims arising out of the performance of the Contract shall be waived under such policies.

B) Insurances to be taken out by the Owner

The Owner shall at its expense take out and maintain in effect during the performance of the Contract the following insurances.

Amount	Deductible limits	Parties Insured	From	To
_____ NIL _____				

-- End --



APPENDIX-26: QUALIFYING REQUIREMENT (QR) COMPLIANCE & SUPPORTING DATA

In respect of Qualifying Requirements (QR), Bidder to refer details provided herein. Bidders shall mandatorily fill in all details with documentary evidence as per the applicable Route below.

Technical Qualification Criteria (Any ONE of the following THREE Routes):

Route 1.1 – Direct VRFB Experience:

Direct VRFB Experience The bidder must have designed, manufactured, erected, and commissioned VRFB systems of cumulative 5 MWh capacity in 1–5 orders in the last 10 years, with at least one reference project of ≥0.4 MWh in successful operation for ≥6 months before bid opening.

Route 1.2 – Solar/Wind EPC + Qualified VRFB Manufacturer Tie-up:

Solar/Wind EPC + VRFB Manufacturer tie-up The bidder must have commissioned Solar/Wind grid-connected plants of cumulative ≥40 MWAC (at least one ≥10 MWAC, in operation ≥6 months), AND must associate with a "Qualified Manufacturer of VRFB" meeting Route 1.1 requirements through a jointly executed undertaking.

Route 1.3 – Industrial EPC + Qualified VRFB Manufacturer Tie-up:

Industrial EPC + VRFB Manufacturer tie-up (i) Executed an industrial project (power/steel/oil & gas/fertilizer/cement etc.) of minimum INR 200 Crore in a single contract in the last 10 years (in successful operation ≥1 year for non-RE or ≥6 months for RE), AND (ii) Executed at least one 132 kV or above electrical substation (in operation ≥1 year/), AND (iii) Must associate with a "Qualified VRFB Manufacturer." As per route 1.1.

Financial Qualification Criteria:

Financial Parameter	Requirement
Average Annual Turnover (last 3 FYs)	≥ INR 200 Crore
Net Worth	≥ 100% of paid-up share capital (individually ≥75% each if consortium)
Working Capital / Credit Facility	Evidence of access to adequate credit lines / working capital for contract execution
Net Worth Status	Must have positive net worth as on the date of submission of Bid

Data Table – Technical Qualifying Data (To be filled by Bidder):

Sr.	Qualifying Route	Requirement	Bidder's Qualifying Route(pl tick relevant Route)	Details as per Bidder's Submission
2.1	Route 1.1	Direct VRFB Experience The bidder must have designed, manufactured, erected, and commissioned VRFB systems of cumulative 5 MWh capacity in 1–5 orders in the last 10 years, with at least one reference project of ≥0.4 MWh in successful operation for ≥6 months before bid opening.		Data to be submitted as per "Table- Route 1.1 VRFB ESS Projects "



2.2	Route 1.2	Solar/Wind EPC + VRFB Manufacturer tie-up The bidder must have commissioned Solar/Wind grid-connected plants of cumulative ≥ 40 MWAC (at least one ≥ 10 MWAC, in operation ≥ 6 months), AND must associate with a "Qualified Manufacturer of VRFB" meeting Route 1.1 requirements through a jointly executed undertaking	Data to be submitted as per "Table- Route 1.1 VRFB ESS Projects " + Data to be submitted as per "Table- Route 1.2 Solar/Wind EPC"
2.3	Route 1.3	Industrial EPC + VRFB Manufacturer tie-up (i) Executed an industrial project (power/steel/oil & gas/fertilizer/cement etc.) of minimum INR 200 Crore in a single contract in the last 10 years (in successful operation ≥ 1 year for non-RE or ≥ 6 months for RE), AND (ii) Executed at least one 132 kV or above electrical substation (in operation ≥ 1 year/), AND (iii) Must associate with a "Qualified VRFB Manufacturer." As per route 1.1.	Data to be submitted as per "Table- Route 1.1 VRFB ESS Projects " + Data to be submitted as per " <u>Table- Route 1.3.1 Industrial EPC</u> " + <u>Table- Route 1.3.2 Industrial EPC Electric substation</u> "
2.4	Financial:	The Bidder shall have a minimum Average Annual Turnover (MAAT) of INR 200 Crore (Indian Rupees Two Hundred Crore only), calculated as the average of the audited financial statements of the last three (03) completed Financial Years preceding the Bid Due Date.	<u>Table-Financial Data</u>

Table- Route 1.1 VRFB ESS Projects

Sr.	Client Name & Contact Details	Project Location	VRFB Capacity (MWh)	Grid Connection Voltage	Date of LOA	Date of Commissioning	O&M Handed Over?	Docs Attached	Reference page no in Docs attached
1								Yes/No	
2								Yes/No	
3								Yes/No	
4								Yes/No	
5								Yes/No	



Table- Route 1.2 Solar/wind EPC

Sr.	Client Name & Contact Details	Project Location	Solar/Wind project Capacity (MWh)	Grid Connection Voltage	Date of LOA	Date of Commissioning	O&M Handed Over?	Docs Attached	Reference page no in Docs attached
1								Yes/No	
2								Yes/No	
3								Yes/No	
4								Yes/No	
5								Yes/No	

Table- Route 1.3.1 Industrial EPC

Sr.	Client Name & Contact Details	Project Location	Industrial project details with project cost	Date of LOA	Date of Commissioning	O&M Handed Over?	Docs Attached	Reference page no in Docs attached
1							Yes/No	
2							Yes/No	

Table- Route 1.3.2 Industrial EPC Electric substation

Sr.	Client Name & Contact Details	Project Location	Details of Electrical substation executed	Date of LOA	Date of Commissioning	O&M Handed Over?	Docs Attached	Reference page no in Docs attached
1							Yes/No	
2							Yes/No	

Table-Financial Data

Sr.	Description	FY -1	FY -2	FY -3
1	Current Assets (INR Crore)			
2	Current Liabilities (INR Crore)			
3	Working Capital (1-2) (INR Crore)			
4	Annual Turnover (INR Crore)			
5	Paid-up Share Capital (INR Crore)			
6	Free Reserves and Surplus (INR Crore)			
7	Net Worth (INR Crore)			
8	Profit Before Tax (INR Crore)			



Note: Attach copies of last three audited balance sheets and income statements. All statements must be audited by a certified Chartered Accountant.

OTHER CRITERIA

Requirement	Compliance	Details
GST, EPF, ESI registration		
Labour license / undertaking		
Gujarat Electrical License / undertaking		
Not blacklisted declaration		

Note: Bidders shall mandatorily fill in details with document evidence only for the applicable route (1.1/1.2/1.3) and for financial criteria (2.4). All supporting documents must be attached.

Undertaking:

We hereby give undertaking that the above data and information provided is true in all respects and can be verified independently by GIPCL directly from the respective clients. We further provide an undertaking that no project mentioned above was abandoned or terminated midway. Any false declaration shall render our bid liable to be rejected and we may be blacklisted from GIPCL tenders.

Date: _____

Authorised Signatory with Seal:

Authorised Signatory

Name:

Designation:

Date:



APPENDIX-27(A) FORMAT OF JOINT UNDERTAKING

BY THE BIDDER AND QUALIFIED VRFB MANUFACTURER / OEM

(Applicable for Bidder qualifying through Route-1.2 and Route-1.3 of the Qualification Requirement)

(To be executed on Non-Judicial Stamp Paper of appropriate value)

THIS JOINT UNDERTAKING is made and executed on this ____ day of _____, **20** by and between:

1. M/s _____

a company incorporated under the laws of _____ and having its registered office at _____ (hereinafter referred to as the "Bidder", which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns);

AND

2. M/s _____

a company incorporated under the laws of _____ and having its registered office at _____ (hereinafter referred to as the "Qualified VRFB Manufacturer / OEM", which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns);

IN FAVOUR OF

Gujarat Industries Power Company Limited (GIPCL)

having its registered office at _____ (hereinafter referred to as the "Owner/GIPCL", which expression shall include its successors and permitted assigns).

WHEREAS

A. GIPCL has invited bids vide Tender No. _____ for _____ ("Project").

B. As per the Qualification Requirements of the Tender, a Bidder qualifying under Route-1.2 or Route-1.3 is required to associate with a Qualified VRFB Manufacturer/OEM meeting the requirements specified under Route-1.1.

C. The Bidder has submitted its Bid based on the technical support, experience, and association of the Qualified VRFB Manufacturer/OEM.

NOW THEREFORE THIS UNDERTAKING WITNESSETH AS UNDER:

1.0 JOINT AND SEVERAL RESPONSIBILITY

We, the Bidder and the Qualified VRFB Manufacturer/OEM, hereby jointly and severally undertake and confirm that:



- a) the Qualified VRFB Manufacturer/OEM shall provide complete technical support for the VRFB based Battery Energy Storage System (BESS) proposed under the Project;
- b) the Bidder shall be fully responsible for overall EPC execution, statutory compliance, project management, construction, commissioning, testing, integration, safety compliance, and O&M obligations under the Contract;
- c) both parties shall jointly and severally remain responsible for successful performance of the VRFB based BESS and compliance with the guaranteed technical and performance parameters specified in the Contract.

2.0 SCOPE OF SUPPORT BY QUALIFIED VRFB MANUFACTURER / OEM

The Qualified VRFB Manufacturer/OEM hereby undertakes to provide necessary support to the Bidder including but not limited to:

- i. design and engineering support for VRFB system;
- ii. supply/manufacture of VRFB equipment and associated systems;
- iii. review and validation of system integration;
- iv. technical support during erection, testing, commissioning, and trial operation;
- v. support for Performance Guarantee Tests (PG Test), Operational Acceptance Test (OAT), and performance validation;
- vi. support during the Defect Liability Period and O&M Period;
- vii. availability of qualified technical experts whenever reasonably required by GIPCL or the Bidder;
- viii. supply/support of critical spares, software support, engineering services, and troubleshooting assistance required for reliable operation of the Project.

3.0 VALIDITY OF ASSOCIATION

The association between the Bidder and the Qualified VRFB Manufacturer/OEM under this Undertaking shall remain valid and enforceable at least up to completion of the Defect Liability Period and/or such other period specified under the Contract.

The Qualified VRFB Manufacturer/OEM shall not withdraw its support or association from the Project without prior written approval of GIPCL.

4.0 CHANGE OF OEM

The Bidder shall not replace the proposed Qualified VRFB Manufacturer/OEM after submission of Bid or award of Contract without prior written approval of GIPCL.

Any replacement, if approved by GIPCL, shall be with an equivalent or superior Qualified VRFB Manufacturer/OEM meeting the Qualification Requirements of the Tender.



5.0 PERFORMANCE OBLIGATIONS

The Bidder and Qualified VRFB Manufacturer/OEM jointly and severally undertake responsibility for:

- a) meeting the guaranteed technical and performance parameters specified under the Contract;
 - b) rectification of defects attributable to VRFB system design, manufacturing, engineering, integration, or performance;
 - c) providing necessary technical assistance for satisfactory operation of the Project during the Contract period.
-

6.0 IRREVOCABILITY

This Undertaking shall be irrevocable and shall form an integral part of the Contract in the event of award of the Project to the Bidder.

7.0 GOVERNING LAW AND JURISDICTION

This Undertaking shall be governed by and construed in accordance with the laws of India.

Courts at Vadodara, Gujarat shall have exclusive jurisdiction in all matters arising out of or relating to this Undertaking.

IN WITNESS WHEREOF

The Bidder and the Qualified VRFB Manufacturer/OEM have executed this Undertaking through their duly authorized representatives on the date first mentioned above.

FOR THE BIDDER

Signature: _____

Name: _____

Designation: _____

Company Seal

FOR THE QUALIFIED VRFB MANUFACTURER / OEM

Signature: _____

Name: _____

Designation: _____

Company Seal



WITNESS – 1

Signature: _____

Name: _____

Address: _____

WITNESS – 2

Signature: _____

Name: _____

Address: _____



**APPENDIX-28: FORM OF DECLARATION OF THE CONTRACT LABOUR (REGULATION AND
ABOLITION) ACT 1970 & THE CONTRACT LABOUR (P&R) GUJARAT**

(On the letter head of Company)

Ref. No.:

Date:

I/ We, M/s hereby certify that I/we have valid licenses as per The Contract Labour (Regulation & Abolition) Act. 1970 & The Contract Labour (P & R) (Gujarat) Rules 1972 and amendment from time to time & as specified in the Labour Engagement clause.

(IF NOT REGISTERED)

I/We M/s hereby undertake that I/We will get myself/ourselves registered within One (1) month if work is allotted to us.

(Seal & Signature of the Bidder)



**APPENDIX-29: FORM OF DECLARATION OF THE ELECTRICAL CONTRACTOR LICENSE FROM
STATE OF GUJARAT**

(On the letter head of Company)

Ref. No.:

Date:

I/ We, M/s hereby certify that I/we have valid Electrical Contract License
from State of Gujarat.

(IF NOT REGISTERED)

I/We M/shereby undertake that I/We will get myself/ourselves registered within
One (1) month if work is allotted to us.

(Seal & Signature of the Bidder)



APPENDIX-30: FORM OF SELF DECLARATION OF NON-CONVICTION BY COURT OF LAW

(On the letter head of Company)

Ref. No.:

Date:

I Mr./Ms. the Bidder / Proprietor / Partner / Director of hereby certify that I have not been convicted by a Court of Law for an offence involving moral turpitude in relation to business dealings during the past seven (7) years.

(Seal & Signature of the Bidder)



**APPENDIX-31: FORM OF DECLARATION OF THE COMPLIANCE TO PUBLIC PROCUREMENT
TO PROVIDE FOR PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT)**

(On the letter head of Company)

Ref. No.:

Date:

I/ We, M/s hereby certify that I/we will comply the below for each equipment under this TED for . GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

- i.) OEM/Sub-Vendor has to be a 'Class-I local supplier' as defined under Public Procurement (Preference to Make in India) Order, 2017 issued by Department for promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India vide order dated 15/06/2017, its revision dated 16/09/2020 (PPP-MII Order) read in conjunction with 'Public Procurement (Preference to Make in India) to provide for Purchase Preference (linked with local content) in respect of Power Sector' order dated 16/11/2021 issued by Ministry of Power (MoP Order) and subsequent modifications/ amendments if any

Presently, the local content requirement to categorize a supplier as 'Class-I local supplier' is minimum 60%.

- ii.) OEM/Sub-Vendor who are not 'Class-I local supplier' shall not be eligible to bid.
- iii.) Further, entities of countries which have been identified by the Nodal Ministry/Department identified under PPP-MII order, as not allowing Indian companies to participate in their Government procurement for any item related to that Nodal Ministry shall not be allowed to participate in bidding for all items related to that Nodal Ministry/Department, except for the list of items published by the Ministry/Department permitting their participation. The term 'entity' of a county shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.

(Seal & Signature of the Bidder)



APPENDIX-32: FORM OF TAKING OVER CERTIFICATE

Date.....

Name of Contract.....

Contract No.....

To :

(Name and address of the Contractor)

Dear Ladies and/or Gentlemen,

Pursuant to GCC 47.0 (Taking Over) of the General Conditions of the Contract entered into between yourselves and the Owner dated relating to the (*insert brief description of the Plants/Equipment/Facilities*)..... we hereby notify you that the following part(s) of the Plants/Equipment/Facilities was (were) complete on the date specified below, and that, in accordance with the terms of the Contract, the Owner hereby takes over the said part(s) of the Plants/Equipment/Facilities, together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below:

1. Description of the Facilities or part thereof
2. Date of Completion:.....

However, you are required to complete the outstanding items listed in the attachment hereto as soon as practicable.

This letter does not relieve you of your obligation to complete the execution of the Facilities in accordance with the Contract nor of your obligations during the Defects Liability Period.

Very truly yours,

Title
(General Manager / as per confirmation from Owner)

**APPENDIX-33: FORMAT OF DISCLOSURE OF VRFB TECHNOLOGY PROPOSED**

Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

Parameter	Details to be Filled by Bidder
Proposed AC Power Capacity	20 MW (Mandatory)
Proposed Energy Capacity	120 MWh (Mandatory — 6-hour duration)
Battery Technology	Vanadium Redox Flow Battery (VRFB) — Mandatory
VRFB Manufacturer / OEM	
VRFB OEM Country of Origin	
OEM Manufacturing Facility Location	
Cell Stack Make & Model Number	
Vanadium Electrolyte Supplier	
Electrolyte Specification (V concentration, H ₂ SO ₄ concentration)	
Ion Exchange Membrane Type (Anion / Cation)	
BMS Manufacturer	
PCS / PCU Manufacturer	
PCS Capacity per unit (MW)	
Number of PCS Units	
AC Output Voltage (kV)	11 kV
DC Bus Voltage Range (V)	
Round Trip Efficiency (AC-AC, at POI) Guaranteed	
System Configuration (Containerized / Non-containerized)	
Cooling System (Air / Liquid / Hybrid)	
Number of Electrolyte Tank Sets	
Total Electrolyte Volume (m ³)	
System Response Time (0 to 100% power output)	≤ 30 seconds
Designed Life	25 years minimum
Minimum Cycle Life	20,000 charge-discharge cycles
Operating Ambient Temperature Range	-5°C to +50°C
IP Protection — Outdoor Equipment	IP55 minimum
IEC Standards Compliance (list)	IEC 62932-1, IEC 62932-2-1, IEC 62932-2-2, IEC 62933



	series
VRFB System Footprint (approximate m ²)	
VRFB System Weight (approximate tonnes)	
Hydrogen Generation — Safety Provisions	
Fire Suppression System Proposed	
EMS Manufacturer	
SCADA Communication Protocols	IEC 61850 / Modbus TCP / DNP3.0
Third-party type test certificates available?	Yes / No
Reference project with ≥10 MWh VRFB in operation?	Yes / No (attach details)

- Bidder to attach OEM data sheets, catalogue, and IEC certification documents for VRFB system, PCS, and BMS.
- Bidder to confirm compliance with all applicable standards listed in section - 2 of the Bidding Documents.

Signature of Authorised Signatory:

Name: _____

Designation: _____

Date: _____

**APPENDIX-34
COMPREHENSIVE DOCUMENT CHECKLIST FOR BID SUBMISSION**

[To be submitted as part of the Technical Bid] Bidder shall ensure submission of all applicable documents listed below.

Sr. No.	Document Description	Relevant Appendix / Section	Mandatory / Applicable	Status (Attached / Not Applicable)
1	Covering Letter	Appendix-1	Mandatory	
2	Complete Tender Document including Corrigenda/Addenda duly signed & stamped	TED	Mandatory	
3	Document Checklist	Appendix-1.1 ITB	Mandatory	
4	Tender Fee Demand Draft / Payment Proof	ITB	Mandatory	
5	EMD / Bid Security	Appendix-16(A)	Mandatory	
6	Power of Attorney	Appendix-10	Mandatory	
7	GST Registration Certificate	Statutory	Mandatory	
8	PAN Card Copy	Statutory	Mandatory	
9	Declaration of Eligibility	Appendix-20	Mandatory	
10	Self-Certification & Declaration	Appendix-7	Mandatory	
11	No Deviation Certificate	Appendix-8	Mandatory	
12	Confidentiality Undertaking	Appendix-21	Mandatory	
13	Contract Labour Declaration	Appendix-28	Mandatory	
14	Make in India Declaration	Appendix-31	Applicable	
15	Sub-vendor / OEM Declaration	Appendix-24	Mandatory	
16	Joint Undertaking	Appendix-27	Applicable	
17		Appendix-13	Deleted	
18	Details of Bidder	Appendix-2	Mandatory	
19	Qualification Requirement Data	Appendix-26	Mandatory	
20	Project Execution Plan	Appendix-4	Mandatory	
21	Technical Personnel Details	Appendix-5	Mandatory	
22	Insurance Compliance	Appendix-25	Mandatory	
23	Technical Data Sheets & Schedules	Tech Specs	Mandatory	
24	Single Line Diagram	Tech Specs	Mandatory	
25	Plant Layout Drawings	Tech Specs	Mandatory	
26	EMS / SCADA Specifications	Tech Specs	Mandatory	
27	PCS/Inverter Datasheets	Tech Specs	Mandatory	
28	Major Equipment List	Tech Specs	Mandatory	
29	VRFB OEM Technical Compliance	Tech Specs	Mandatory	



30	Battery Performance Guarantees	SCC / Tech Specs	Mandatory	
31	RtE Guarantee	SCC / Tech Specs	Mandatory	
32	Availability Guarantee	SCC / Tech Specs	Mandatory	
33	Capacity Retention Guarantee	SCC / Tech Specs	Mandatory	
34	Warranty Terms & Conditions	SCC	Mandatory	
35	O&M Methodology	Bidder Submission	Mandatory	
36	Environmental Compliance Plan	SCC / Tech Specs	Mandatory	
37	Audited Financial Statements	Appendix-11	Mandatory	
38	Net Worth Certificate	Appendix-11	Mandatory	
39	Average Annual Turnover Certificate	Appendix-11	Mandatory	
40	Working Capital Proof	Appendix-12	Mandatory	
41	Unpriced Financial Proposal	Appendix-14	Mandatory	
42	Price Bid Submission	Price Bid Format	Mandatory	
43	Bid Validity Confirmation	ITB	Mandatory	

1.1 Declaration by Bidder

We hereby confirm that all documents submitted are true, complete, authentic, and in compliance with the Tender requirements.

Name of Bidder	
Authorized Signatory	
Designation	
Signature & Seal	
Date	

B. Documents to be Submitted After Award of Contract

- Detailed engineering drawings (civil, electrical, VRFB layout, cable routing, earthing)
- VRFB system detailed design and engineering documents
- Geotechnical investigation and topographical survey report
- Equipment foundation drawings and structural calculations
- Protection coordination study and relay settings
- Grid compliance study and reactive power compensation study
- HVAC load calculation and design for VRFB and control rooms
- Fire protection system design and HAZOP study
- Detailed Bill of Materials with makes, models, quantities
- FAT test plans for all major equipment (to be submitted ≥30 days before FAT)
- PG Test procedure (to be submitted ≥30 days before PG Test)
- Commissioning procedure and pre-commissioning checklist
- Quality Assurance Plan (QAP) and Manufacturing Quality Plan (MQP)
- Inspection and Test Plans (ITPs) for all major equipment
- Operation & Maintenance Manuals for all equipment



- As-built drawings (to be submitted within 60 days of COD)
- Training schedule and plan for GIPCL personnel

**APPENDIX-35: PROCEDURE FOR PERFORMANCE GUARANTEE TEST (PG TEST)****Part A: Performance Guarantee Parameters for VRFB BESS**

The Contractor shall demonstrate the following performance guarantees during the PG Test, conducted after successful commissioning and trial run in the presence of GIPCL's representative:

Parameter	Guaranteed Value	Measurement Method
Rated Power Output	20 MW (AC at POI i.e. 132KV GIPCL Substation)	Power meter at POI – minimum 1 hour sustained or as per tender specification / guideline
Rated Energy Capacity	120 MWh (AC at POI)	Full discharge from 100% SOC to minimum SOC or as per tender specification / guideline
Round Trip Efficiency (RTE)	≥ 70% (AC-to-AC at POI)	Minimum 3 complete charge-discharge cycles; average RTE measured or as per tender specification / guideline
System Response Time	0 to 100% rated power in ≤ 30 seconds	From EMS setpoint command to POI power output or as per tender specification / guideline
Operational Cycles	≥ 1.5 full charge-discharge cycles per day	Demonstrated during trial run period
Part Capacity Test	≥ 50% (10 MW / 60 MWh)	Tested simultaneously with full capacity test or separately
Protection System Test	All protection functions operational	Simulated fault injection and relay response verification
EMS Communication Test	Telemetry to SLDC/GETCO operational	Live data verification with GETCO/SLDC
Black Start Test	PCS restores from dead bus without external supply	Demonstrated from EMS command

Part B: PG Test Procedure**B-1: Pre-Test Requirements:**

- As per guidelines of GEDA / GUVNL / SLDC / GIPCL etc. and as specified in the Bidding Documents.
- All pre-commissioning tests and trial run (minimum 24 continuous hours or as per tender specification / guideline) shall be completed before PG Test.
- Contractor to submit the detailed PG Test procedure to GIPCL for approval minimum 30 days before the test.
- All test instruments (power meters, energy meters, data loggers, temperature sensors) shall be calibrated with calibration certificates available before test.
- GIPCL's Project Manager and/or a third-party testing agency shall be present during the PG Test.

B-2: RTE Test Procedure:



- The VRFB shall be charged to 100% SOC from a known starting point using the grid, with energy input (charging) metered at the POI.
- After achieving 100% SOC, the system shall stand by for a period as per OEM recommendation (typically ≥ 15 minutes).
- The VRFB shall then be fully discharged to the minimum SOC, with energy output (discharging) metered at the POI.
- $RTE = \text{Total Energy Discharged (kWh at POI)} \div \text{Total Energy Charged (kWh at POI)} \times 100\%$
- This cycle shall be repeated for a minimum of 3 complete cycles. Average RTE shall be calculated (or as per applicable guideline).
- If RTE falls below 70%, the PG Test shall be considered failed and the Contractor shall rectify and repeat at its own cost.

B-3: Capacity Test Procedure:

- After charging to 100% SOC, the system shall be discharged at rated power (20 MW AC) at the POI.
- Total energy discharged until the system reaches minimum SOC shall be measured. This shall be ≥ 120 MWh.
- Discharge at rated power (20 MW) shall be sustained for a minimum of 6 hours ($120 \text{ MWh} \div 20 \text{ MW} = 6 \text{ hours}$).

B-4: Acceptance Criteria:

- PG Test shall be deemed PASSED if all guaranteed parameters are met or exceeded.
- If any parameter falls short, the Contractor shall rectify the issue and repeat the relevant test within 30 days at no additional cost to GIPCL.
- If PG Test is not passed within 60 days of first attempt, Liquidated Damages as specified in the SCC shall apply or as per tender specification / guideline
- GIPCL shall issue the Provisional Acceptance Certificate (PAC) upon satisfactory completion of the PG Test.

Part C: Annual Performance Verification During O&M Period

During the 10-year O&M period, GIPCL shall conduct Annual Performance Verification Tests at the end of each year. The Contractor shall demonstrate:

- Round Trip Efficiency (RTE) $\geq 70\%$ (AC-to-AC at POI, as per the test procedure in Part B above)
- Full capacity delivery: 120 MWh at rated 20 MW power output at the 132 kV POI
- System Availability $\geq 95\%$ (as calculated per the SCC formula)
- Minimum 1.5 full charge-discharge cycles per day demonstrated during the test period
- All protection, safety, and communication systems operational

**ANNEXURE-A1: DETAILS OF THE PROJECT SITE – GIPCL 165 MW GAS BASED POWER PLANT
COMPLEX, BARODA (PLOT-B), VADODARA**

The BESS project shall be installed at the GIPCL 165 MW Gas Based Power Plant Complex, Baroda (Plot-B), Vadodara, Gujarat. Key details of the project site are as follows:

Parameter	Details
Project Location	GIPCL 165 MW Gas Based Power Plant Complex, Baroda (Plot-B), Vadodara, Gujarat
Owner	Gujarat Industries Power Company Limited (GIPCL)
Plant Type	165 MW Gas-Based Power Plant Complex
Point of Interconnection (POI)	132 kV Bus at GIPCL's Switchyard Substation
Nearby GETCO Substation	Nandeshwari / Jawaharnagar Substation (132 kV)
Existing Switchyard	132 kV – to be revived and integrated with BESS
Latitude / Longitude	Approx. 22.3°N / 73.2°E (Baroda/Vadodara area)
State	Gujarat, India
DISCOM	MGVCL / GETCO Grid
Regulatory Authority	GETCO, SLDC-Gujarat, CEA

Note: Bidder is advised to visit the site prior to bid submission. Site visit details shall be communicated during the Pre-Bid Meeting.



ANNEXURE-A2: ADVANCE PAYMENT BANK GUARANTEE FORMAT

(To be executed on non-judicial stamp paper of appropriate value, duly signed on each page)

B.G. No.: _____ Date: _____

In consideration of M/s. Gujarat Industries Power Company Limited, having its Corporate Office at P.O. Ranoli - 391 350, Dist.: Vadodara, Gujarat, India (hereinafter called 'The Company / Owner'), who has agreed to provide Advance Payment to M/s. _____ (hereinafter called 'the Contractor') as per the Contract for EPC Package for 20 MW / 120 MWh VRFB BESS at GIPCL 165 MW Gas Power Plant Complex, Vadodara, Gujarat, against submission of this Bank Guarantee for INR _____ (Indian Rupees _____ Only);

We, _____ Bank, having its branch office at _____, do hereby agree and undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Company stating that the Contractor has failed to utilise the advance for the purpose for which it was given, or has not executed the Contract satisfactorily, or has failed to repay the advance as per the Contract terms.

This guarantee shall be:

- For the Supply Component advance: equivalent to 100% of the advance amount for supply;
- For the Installation Services advance: equivalent to 110% of the advance amount for installation services.

This guarantee shall remain valid until _____ (90 days beyond the Scheduled Commissioning Date) and shall be progressively reduced in accordance with the recovery of advance from each payment milestone as per the Contract.

NOTWITHSTANDING anything contained hereinbefore, our liability under this guarantee shall not exceed INR _____ (Indian Rupees _____ Only).

Date:	_____ Bank
Place:	Corporate Seal of the Bank
	By its Constitutional Attorney
	Signature of duly Authorised Person
	On behalf of the Bank
	With Seal & Signature Code



ANNEXURE-A3: INTEGRITY PACT / ANTI-CORRUPTION UNDERTAKING

(To be submitted on Bidder's official letterhead, duly signed and stamped)

Date: _____

To,

Additional General Manager (RE Projects & BD)

Gujarat Industries Power Company Limited

PO: Ranoli - 391 350,

Dist.: Vadodara, Gujarat, India

Sub: Integrity Pact — Bidding Document No.: GIPCL/VRFB-BESS/EPC/2026/20MW-120MWh

We, M/s. _____ (Bidder), hereby certify and undertake:

1. We have not paid, and shall not pay, any commission or gratification to any person for assistance in procuring this Contract. We shall not offer, give, or promise any bribe, favour, or financial advantage to any officer or employee of GIPCL or any government authority in connection with this Bid or the resultant Contract.
2. We have not entered into any agreement with other Bidders for manipulation of bid prices or any cartel or collusive arrangement.
3. We comply with all applicable anti-corruption laws including the Prevention of Corruption Act, 1988 (as amended) and the Foreign Corrupt Practices Act (if applicable).
4. We undertake to promptly report to GIPCL any suspected corrupt or fraudulent practices encountered in connection with this Bid.
5. We acknowledge that any breach of this Integrity Pact shall entitle GIPCL to: (a) reject our Bid; (b) terminate the Contract; (c) recover all damages and losses; and (d) blacklist us from future GIPCL tenders.

Authorised Signatory with Seal:

Name / Designation / Date: _____



ANNEXURE-A4: OPERATION AND MAINTENANCE REQUIREMENTS

AS PER ANNEXURE -D – OF V2 SECTION 1.00 GTS