



Request for Proposal (RFP)

No.: GERMI/RE4/SERVICES/2022-23/02

**Gujarat Energy Research
and Management Institute
(GERMI)**

**Request for Proposal for Empanelment of
Electrical Consultant/Expert under Solar
Project Group of GERMI for Solar
Consultancy Projects**

Issued On:

19.01.2023

Last date for Submission of Proposal:

08.02.2023

Address:

**1st Floor, Energy Building, PDEU Campus,
Raisan, Gandhinagar 382 007, Gujarat, INDIA**

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Request for Proposals

Gujarat Energy Research and Management Institute (GERMI), is undertaking a few projects for design and development of kilowatt & megawatt size solar power plants and is keen to hire qualified and experienced Electrical Consultant/Expert for the same.

Sealed bids are invited through this Request for Proposal No. No.: GERMI/RE4/SERVICES/2022-23/02 dated 19.01.2023 from all organizations/individuals working as consultants with considerable Electrical engineering background in designing of Electrical System/Infrastructure.

The RFP Document can be downloaded from GERMI website <http://germi.org/tenders.php>. All relevant documents along with the RFP Document is required to be submitted in physical form to GERMI office on or **before 10th February, 2023 by 1300 Hrs.**

GERMI reserves the right to reject any or all offers without assigning any reasons thereof.

Director General
Gujarat Energy Research & Management Institute (GERMI)

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1 Important Dates and Amounts

1.1 Important Dates

Sr.	Event	Date and Time
a.	Date of floating of RFP	: 19 th January, 2023
b.	Online Pre-bid Meeting of RFP	: 24 th January 2023, 1500 Hrs IST
c.	Last date for submission of query pertaining to this RFP	: On or before 25 th January 2023, 1700 Hrs IST
d.	Online (e-tendering) Tender/Offer submission last date {This is mandatory}	8 th February 2023, 1600 Hrs IST
e.	Physical receipt of Bid with all the relevant documents last date (By RPAD or Speed Post or By Personal Messenger) {This is mandatory}	: 10 th February 2023, 1300 Hrs IST
f.	Date of opening of Tender Fee, EMD Cover, and Technical Bid Physical as well as Online opening	: 10 th February 2023, 1630 Hrs IST (Internal Opening by GERMI)
g.	Date of Opening of Financial Bid	: Will be decided by GERMI and will be intimated to Qualified Bidders

Tender Documents may be downloaded from Web site <https://www.nprocure.com> (For view, download and on-line submission) and GERMI website <https://www.germi.org> (For view & download only) Tender fee & EMD shall be paid along with submission of Tender Documents. All the relevant documents of Tender shall be submitted physically by **Registered Post A.D. or Speed Post or by Hand Delivery** addressed to: **The Director General, Gujarat Energy Research and Management Institute (GERMI), 1st Floor, Energy Building, PDEU Campus, Raisan Village, Gandhinagar – 382 426, Gujarat**, superscribing the envelope with Tender No. and Description. “NO COURIER SERVICE” shall be considered for submission of Tender.

1.2 Important Amounts

- | | | |
|----|---|-------------------------|
| a. | Tender Processing Fees (non-refundable) | : 5,000 INR through DD |
| b. | Earnest Money Deposit (EMD) | : 10,000 INR through DD |

FORMAT FOR SUBMISSION OF BID QUER**Sample Format to send the query**

Name of the Company			
Registered Address of the Company			
Email ID			
Mobile No.			
Tender clause no., page no	Description	Query	Rational behind Query

Seal of the company

Signature of Competent Authority

- 1) Please send the details on following e-mail IDs within Four (4) days from the date of issuance of Tender.
 - a. kaushik.p@germi.res.in
 - b. bhumit.v@germi.res.in

- 2) Online Pre-bid Meeting VC link will be share to those Bidders who have requested to GERMI for seeking VC Link via email ID
 - a. kaushik.p@germi.res.in
 - b. bhumit.v@germi.res.in

2 Introduction

2.1 Gujarat Energy Research and Management Institute

Gujarat Energy Research and Management Institute (GERMI), an ISO 9001: 2008 certified institute, is a Centre for Excellence in industry learning, research & development and education. It is set up to develop human resource assets to cater to both renewable and non-renewable energy sectors, improve knowledge base of policy makers and technologists, and provide a competitive edge to leaders to compete in the global arena. GERMI was brought into existence and is promoted by Gujarat State Petroleum Corporation Limited (GSPC), a Government of Gujarat Undertaking.

GERMI has already established specialized research, education, management, and training institutes, and is continually expanding its horizons to cater to the allied energy sectors. GERMI is a registered Society and a Trust under the Societies Registration Act, 1860 and the Bombay Public Trust Act, 1950. GERMI is a recognized Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), Government of India.

GERMI solar and renewable energy mandates include:

- Techno-commercial/ regulatory advisory and support at various levels to governments to undertake renewable energy programmes and projects;
- Techno-commercial support to both private and government undertakings for establishing solar and allied renewable power and manufacturing projects;
- Fundamental and applied research in the field of energy ranging from functional materials and devices to commercial-scale project performance including auditing;
- Both vocational and professional training along with allied activities to proliferate the trainings by providing institutional support.

2.2 About the project and the location

GERMI is continuously working towards development of Solar Power plants in Gujarat and other parts of the country as part of its mandate and therefore receive technical consultancy assignments from the Government and various other organisations working towards the same goal.

GERMI has currently working on various solar PV project in and outside Gujarat like Haryana, Odisha, Jharkhand, Madhya Pradesh, Goa, Maharashtra, Jammu & Kashmir and any other part of the India. These projects at the initial stage require services related to Electrical Engineering for development of design or review of already developed designs or drawings.

Gujarat Energy Research & Management Institute (GERMI or “Client”) is engaged in design and execution of utility scale solar PV power plant projects in the state of Gujarat, under different capacities. One of the design engineering tasks is to prepare detailed electrical and structural design of the plant including plant design, switchyard and evacuation for the project.

Detailed financial offers are invited from interested and eligible Electrical Consultants to be hired/Empanelment as “Consultant” to undertake design tasks.

3 Instruction to Bidders

3.1 General

- 3.1.1** The Bidder shall bear all costs associated with the preparation and submission of the Bid and GERMI shall, in no case be responsible or liable for these costs regardless the conduct or outcome of the bidding and contracting process. The Bidder is expected to examine all instructions, forms, terms and conditions in the Bid carefully.
- 3.1.2** GERMI reserves the right to cancel any or all the Bids as per its discretion without assigning and giving any reason thereof. GERMI also reserves the right to rescind the process of this RFP at any time before placement of the order for the said Scope of Work herein.
- 3.1.3** Only those bidders will be empanelled with GERMI who will agree the evaluation criteria mentioned in the Tender/RFP Clause No.3.7.
- 3.1.4** The Bidder shall prepare the Bid based on the information furnished and terms and conditions provided in the RFP.
- 3.1.5** The Bid shall also contain all the information asked in this RFP with supportive data wherever necessary.
- 3.1.6** Failure to furnish all information required by the RFP or submission of a Bid not substantially responsive to the RFP will be at the Bidder's risk and may result in rejection of the Bid.
- 3.1.7** Failure to comply with all amounts and timeline indicated in this RFP shall automatically make the Bid liable for rejection.
- 3.1.8** The Bid submitted is to be signed by a person who is a duly authorized representative of the Bidding organization.
- 3.1.9** This RFP is non-transferable. Each bidder shall submit only one Bid by itself.
- 3.1.10** At any time prior to the deadline for submission of Bids, for any reason, whether at its sole initiative or any response to a clarification requested by a Bidder, GERMI may modify the RFP by amendment(s) thereto. The amendment(s) will be notified publicly and/ or in writing to all prospective Bidders.
- 3.1.11** The prospective Bidder requiring any clarification shall write to GERMI on or before the last date for such clarification as indicated in Clause above so as to ensure timely response by GERMI and timely submission of the Bids.
- 3.1.12** Bid Validity: The Bids shall be kept valid for at least for One Hundred and Eighty (180) days from the last date of submission of Bid. A Bid with validity for a shorter period than the above may be rejected by GERMI. If required, GERMI may solicit the Bidder's consent to an extension of the period of Bid validity.
- 3.1.13** Deviations: No deviations shall be taken by the Bidder to the RFP especially with regard to the Scope of Work and the terms and conditions. Bids with any deviation are liable to be summarily rejected.
- 3.1.14** Language of correspondence and Bid: The Bid prepared by the Bidder and all correspondence and documents relating to the Bid exchanged between the Bidder and GERMI shall be written in English language only.
- 3.1.15** It is mandatory for all the Bidders to submit their Financial Bid ONLINE only via e-tendering portal.
- 3.1.16** Technical Bid (Techno-commercial Bid) to be submitted both in physical as well as soft copy (online). It is mandatory for all the bidders to submit their Technical Bid (Techno-commercial Bid) documents in both forms i.e. online (e-tendering) as well as in hard copy in scheduled time. Technical bid in any one form i.e. either in soft copy (online) or in hard copy (physical form), shall not be considered. Technical Bid (Techno-commercial Bid) in 1 Original shall be sent in Sealed Envelopes containing copies of Technical bid (Techno-commercial bid).

3.1.17 For any clarification emails can be sent to **Mr. Bhumit Vyas, Senior Project Officer - Electrical (PMC)**, Solar Wing, GERMI (bhumit.v@germi.res.in).

Shri Bhumit Vyas

Gujarat Energy Research and Management Institute
1st Floor, Energy Building
Pandit Deendayal Petroleum University Campus
Gandhinagar, Gujarat – 382 007, INDIA
Phone: (+91) 79 2327 5758
Email: bhumit.v@germi.res.in

3.2 Eligibility

- 3.2.1** Bidders demonstrating at least Three (03) years of experience in designing of Electrical Infrastructure projects/ Solar Power Plants/ Solar Parks/Standalone utility BESS Projects shall qualify to Bid for this RFP. Please provide details of the job undertaken with certificate from client.
- 3.2.2** The Bidder shall have either worked in at least one Solar PV power project of 25 MW **OR** two (2) projects of 10 MW in the capacity as an individual or as a firm.
- 3.2.3** The Bidder should have participated in at least two (2) projects (i.e. Electrical Infrastructure projects/ Solar Power Plants/ Solar Parks/Standalone utility BESS Projects) for state government / central government companies/ Private organisation (to be supported with certificate of completion from respective authority).
- 3.2.4** Individual chartered/licensed engineers or firms are also eligible provided they meet eligibility criteria.
- 3.2.5** Cumulative Turnover of the Bidder for last three (3) financial years [i.e. FY 2019-20, FY2020-21 & FY 2021-22 shall be of Rs. 45 Lacs. The Bidder shall submit Chartered Account Certified Turnover Certificate for last three Financial Years.

3.3 Earnest Money Deposit

- 3.3.1** The Bidder shall be required to submit Earnest Money Deposit (EMD) of the amount mentioned in clause 1.2b in the form of a Demand Draft in favour of Gujarat Energy Research and Management Institute payable at Gandhinagar, valid for a period of initial Ninety (90) days (Note : Further if required another 90 days extension in validity shall be done) from the last date of submission of Bid.
- 3.3.2**
- 3.3.3** The EMD shall be from any Nationalised bank in India.
- 3.3.4** GERMI shall not be liable to pay any interest on the Earnest Deposit Money made and the same shall be interest free.
- 3.3.5** The EMD of all the Empanelled bidders shall be returned once the Successful Evaluated Bidder accepts the LoA issued
- 3.3.6** The EMD of Bidder can be forfeited if he/she refuses to match final negotiated rates offered to him.

3.4 Bid Deadline

- 3.4.1** Any Bid received by GERMI after the last date for submission of Bid as indicated in Clause 1.1 (Important Dates) shall be summarily rejected. GERMI shall not be responsible for any delay in submission of the Bid whether caused by the Bidder or/and other third party.
- 3.4.2** Any change in the last date for submission of the Bid shall be intimated to the Bidders accordingly.

3.5 Submission of the Bid

- 3.5.1** The Bid of the Bidder shall be contained in one (1) single “Main” Envelope.
- 3.5.2** The Main Envelope shall contain two (2) Envelopes as follows:
- “Original” Envelope;
 - “PEN DRIVE” Envelope
- 3.5.3** The “Original,” Envelopes shall contain the following Envelopes:
- Cover-I: Signed Copy of the Tender Document(s)
 - Cover-II: Enclosures of the Bid
 - Cover-III: Proof of EMD; and Tender Fee
 - Cover-IV: Financial Proposal unpriced and duly signed and stamped
- 3.5.4** The “PEN DRIVE” Envelope shall contain one (1) no. of PEN DRIVE containing the following folders with the same information submitted in the Original Envelope:
- Cover-I: Signed Copy of the Tender Document(s)
 - Cover-II: Enclosures of the Bid
 - Cover-III: Proof of EMD; and Tender Fee
 - Cover-IV: Financial Proposal unpriced and duly signed and stamped
- 3.5.5** All pages of the Bid submitted including this RFP shall be duly signed and sealed by the Bidder as a mark of acceptance of all terms and conditions and should be properly numbered.
- 3.5.6** All original attested Tender Documents, Bid Enclosures, EMD and Tender Fee, and Financial Proposal (unpriced) shall be contained in the “Original” Envelope.
- 3.5.7** All soft/ scanned copies of the original attested Tender Documents, Bid Enclosures, EMD and Tender Fee shall be contained in the PEN DRIVE in an appropriately organized manner as in the physical copies, and enclosed in the “PEN DRIVE” Envelope.
- 3.5.8** IMPORTANT: THE COPY OF THE FINANCIAL BID SHALL NOT BE INCLUDED IN THE PEN DRIVE.
- 3.5.9** Envelopes shall be clearly marked as “Original,” and “PEN DRIVE”.
- 3.5.10** The content of documents uploaded on eProcurement portal and hard copies submitted should be same and in case of any discrepancy all documents uploaded on eProcurement portal shall stay valid.
- 3.5.11** Tender Fee and EMD shall be submitted in two separate envelopes
- 3.5.12** All the above envelopes shall be placed in a general sealed envelope
“Bid for Empanelment of Electrical Consultant/Expert for Solar Power Projects of GERMI”
- 3.5.13** All envelopes shall clearly indicate the name and address of the Bidder.
- 3.5.14** All Bids shall be addressed to:

**The Director General
Gujarat Energy Research and Management Institute
1st Floor, Energy Building
Pandit Deendayal Energy University Campus
Gandhinagar, Gujarat 382 007, INDIA**

3.6 Bid Price

- 3.6.1** The price quoted by the Bidder shall be all inclusive considering the total Scope of Work as indicated in the RFP.
- 3.6.2** Bid price shall be quoted in Indian Rupee only.

3.6.3 The Financial Bid shall be inclusive of all taxes and duties.

3.6.4 The price quoted in Indian Rupees shall be written both in words and figures and in case of any discrepancy between the two, prices in words shall be valid and binding.

3.7 Bid Opening and Evaluation

3.7.1 The Bidding Committee of GERMI will open Envelope-1 (Technical Bid) in the presence of the Bidders or of their representatives who choose to attend the opening, on the last date for submission of bid at GERMI.

3.7.2 If required, GERMI may ask for any information or clarification while evaluating their Technical Bid.

3.7.3 Any Bidder who has not complied with the condition of this RFP shall be liable for rejection.

3.7.4 Upon evaluation of the Technical Bids, Price Bid of only those Bidders shall be opened (On-line-tendering) who are found technically qualified and are found reasonably responsive to GERMI's Tender terms and conditions and Scope of Work.

3.7.5 The Bidder is not allowed to revise the price, before opening of the Financial Bid, once it is submitted to GERMI.

3.7.6 Lowest Rate of individual Parts (i.e., Part A, Part B, Part C, Part D and Part E) of Price Bids from all Bidders shall be listed out for preparation of consolidated List.

3.7.7 GERMI will ask all bidders for Negotiation as per procedure mentioned in the Clause No.3.9.

3.8 Right to Accept or Reject Any or All Bids

3.8.1 GERMI is not bound to accept the lowest or any bid and may at any time by notice in writing to the Bidders terminate the bidding process.

3.8.2 GERMI may terminate the contract if it is found that the Consultant is blacklisted on previous occasions by the any of the Departments/ Institutions/ Local Bodies/ Municipalities/ Public Sector Undertakings of state or central government and etc.

3.9 Negotiations with Bidders

3.9.1 The Following Steps shall follow for Negotiation process

First step: Lowest rate for any Part (i.e. PART A, Part B, Part C, Part D & Part E) from all Bidders shall be considered and a consolidated list of lowest rates shall be prepared for every Part and same rates shall be offered to each technically qualified Bidder for further discussion on negotiation.

Second Step: Bidder with lowest total quoted price (L1) will be called for negotiation on consolidated list of lowest rates prepared. Negotiated rates with L1 bidder shall be offered to all bidders for empanelment.

Third Step: If Bidder with lowest quoted price do not agree for negotiation, then L2 and L3 bidders based on their total quoted value will be called for negotiation. Negotiated rates with L2 or L3 bidder will be offered to all bidder for empanelment

Fourth Step: L1 bidder shall be given one more opportunity to match discovered negotiated price.

Fifth Step: All bidders who accept the negotiated rates of Step 2 or Step 3 will be empanelled as Electrical Consultant.

GERMI Decision will considered as final decision on empanelment.

3.9.2 Those bidders who agree to work at the lowest negotiated rates, will be empanelled with GERMI for a period of Two (2) year extendable to two (2) more years.

- 3.9.3** The rate for the first Two (2) years will remain same for all empanelled bidders. The rates for next two (2) years (i.e. extension of two years) will be increase by 10% of the original empanelled rate. All other terms and conditions will remain same for first two (2) years and extended two (2) years.

3.10 Award of Contract

- 3.10.1** GERMI shall award the contract to the Successful Evaluated Bidder/s whose Bid has been found to be responsive and who is eligible and qualified to perform the Scope of Work satisfactorily as per the terms and conditions incorporated in the RFP.
- 3.10.2** GERMI shall intimate empanelled Electrical designer/Consultant for commencement of work through a Letter of Award (LoA).
- 3.10.3** GERMI reserve right to allot the work to any empanelled Electrical designer/Consultant based on supporting documents submitted and their work experience or at their own discretion and empanelled Electrical designer/s has to accept the decision of GERMI without any objection.

4 Scope of Work and Location

4.1 Scope of work

It includes review of design/proof checking and / or developing new design of the Electrical System and releasing the final drawings for execution of the same. Review of design and/or developing new design of the Electrical System includes detailed technical specifications, electrical design, calculations and etc. for grid-connected solar photovoltaic power plant's with or without BESS along with DC and AC part including switchyard, short circuit studies, fault level calculations, BESS calculations, BESS Fire protection scheme, BESS HVAC scheme documents, Power Evacuation Infrastructure like 11 kV/33 kV/66 kV/132 kV/220 kV/400 kV AIS or GSI Substation & associates Transmission Line, etc.

Review of ERT report, Load Flow Studies, Short Circuit studies, Power Evacuation System Study Report or any other supporting documents required to proof check the drawing & design shall not be chargeable as these are supporting documents.

Nature of Assignment:

The nature of assignment assumes following responsibilities to be undertaken by the consultant.

- 1) Selected electrical consultant will work based on specifications of important components like solar PV modules, Inverters, Battery Energy Storage System (BESS) and Array layout of plant and develop electrical designs to prepare specifications / drawings with required safety, economy and efficiency of the plant.
- 2) Consultant shall develop all designs / drawings / specifications as per latest IS, IEC, UL or higher standards.
- 3) The consultant shall design and prepare as per appropriate industry standards, electrical designing software / formula and prepare detailed design(s) / drawing (s) / rating and capacity of different components including but not limited to plant DC and AC SLDs, Switchyard and Evacuation SLD, Layout and Calculations, Earthing, Lightning Protection, Surge Arrestors, Inverter protection, control panel, auxiliary power consumption, electrification of utility rooms, plant lighting etc.
- 4) The consultant shall carry out Selection and sizing of equipment like Inverters, auxiliary transformer, main transformer, Inverter Duty Transformer (IDT), BESS IDT, Battery and Battery Charger, UPS, conductors, earthing and protection of switchyard and metering, AC & DC cables etc. to make complete switchyard as per GETCO or other State Transmission Company or CTU specifications as per GERMI requirements.
- 5) Moreover, as and where applicable, design should take into account possibility of fire and materials / workmanship should be fire resistant to last for 25 years of service life.

4.1.1 Review/Proof Checking Work for Ground mounted Solar, Rooftop Solar, Canal bank, Canal top and Floating solar and Battery Energy Storage System (BESS):

- A. Details/ design/ drawings/ calculations/ layout/assumptions submitted by GERMI/GERMI's client is to be reviewed by the Electrical consultant and comments should be provided with valid reasons, further same should be released for execution. This includes to review the Electrical System Details/ Drawings/ Design/ calculations/ layout and etc. submitted by EPC contractor/Promoter/Client for each Electrical System (DC & AC Equipment's) of Solar PV Power

Plant with or without BESS including but not limited to foundation and erection steel of AIS/GIS Substation/Switchyard Components, Two Pole Structure for 11 KV, Transmission Lines, Electrical lighting in Solar PV Area as well as Building like Inverter Rooms, Control Room, Conference Room, Security Room, Store Room, Street Lights, All type of Transformers as well as Inverter Transformer etc.

- i. Review pertinent site data i.e. Electrical Resistivity Tomography (ERT) Report, System Study Report, Load Flow Study Report, Short Circuit studies, Fault level calculations and etc.
 - ii. Review the design basis and preliminary level analysis for System load and load combinations
 - iii. Review interim/final designs calculations and design drawings in line of relevant IEC/IS
- B. Provide technical assistance on site during Prefeasibility as well as at the time of execution by the site visit at required intervals if required.
 - C. Provide comments of test reports, specifications of proposed material, calculations for billings for particular item for which designed is reviewed etc.
 - D. Attend the meeting as desired by the Client to represent the evaluation/technical details scrutiny reports and with recommendations/adequate measures to be taken care. Meeting may be at Client/GERMI office or at project site.

The consultant shall have to work on following activities for Review of Designs/Drawings and Technical Specifications:

A. TECHNICAL SPECIFICATION

- a) Technical specification and certificates (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) for Solar module from manufacturer
- b) Technical specification and certificates (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) for Junction box from manufacturer
- c) Technical Specification and certificates (I.e. Drawing, Layout, Product test report, load Vs. Efficiency graph, Warranty & Guarantee) for inverter from manufacturer
- d) Technical Specification and certificates (I.e. Drawing, Layout, Product test report, load Vs. Efficiency graph, Warranty & Guarantee) for Battery Energy Storage System and its associates equipment like Fire Protection System, HVAC and etc. from manufacturer
- e) Technical Specification for all types of Cables from manufacturer (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- f) Technical Specification and factory testing report (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) of Inverter Transformer from manufacturer
- g) Technical Specification and factory testing report (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) of Auxiliary Transformer from manufacturer
- h) Technical Specification -CT (Metering and protection) (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- i) Technical Specification -PT (Metering and protection) (I.e. Drawing, Layout, Product test report, Warranty & Guarantee), Bus PT and Line PT
- j) Technical Specification for ABT type metering Cubical Box (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- k) Technical Specification-Isolator (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- l) Technical Specification-LA (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)

- m) Technical Specification and factory testing report -Power Transformer (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- n) Technical Specification of 11kV Switchgear (HT panel, RMU etc.) (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- o) Technical Specification of 66kV/132 kV /220 kV/ 400 kV Switchgear (Circuit Breaker, Isolator, Earth switches etc.) (I.e. Drawing, Layout, Product test report, Warranty & Guarantee)
- p) Technical Specification-HT & LT Panels, Power/Control cables from manufacturer (I.e. SLD, Layout, Product test report, Warranty & Guarantee)
- q) Technical Specification and factory testing report (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) of overall SCADA Communication System from manufacturer
- r) Technical Specification and factory testing report (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) of CCTV System from manufacturer
- s) Technical Specification and factory testing report (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) of Fire System Equipments from manufacturer
- t) Technical Specification and factory testing report (I.e. Drawing, Layout, Product test report, Warranty & Guarantee) of Plant Earthing & Lighting system from manufacturer
- u) Any other additional specifications related to electrical design, calculation and layout which is not specified above

B. Review of Design/Drawing

- a) Key SLD (AC / DC)
- b) Overall PV Array Layout
- c) Main Control Room, Inverter Room and BESS Room equipment Layout
- d) Overall Cable Layout (AC / DC)
- e) DC, AC, Communication & Instrumentation cable schedule and layout
- f) Battery Energy Storage System Capacity Calculation, Design & Drawings along with its all associated equipment
- g) Overall Earthing Layout (Individual equipment and earthing grid drawing) with calculation
- h) Overall Lightning Layout with specification
- i) General arrangement layout of equipment with earth pit details (Inverter, 300/11KV, 33KV, 66KV Power Transformer, UPS)
- j) Control room lighting layout detail, Plant lighting Layout
- k) SLD of control room lighting, plant lighting
- l) General arrangement layout of control/relay panel, battery charger, SCADA unit, CCTV, Fire Protection Equipment, LT & HT panel, DB's etc
- m) Cable Sizing (AC / DC, Instrumentation and LT / HT) with calculation
- n) Cable loss calculation (AC / DC, Instrumentation and LT / HT) with calculation
- o) Distribution box SLD (Single Line Diagram), LDB, PDB, DCDB, Bay mask kiosk
- p) UPS / Battery Sizing with calculation for protection circuit
- q) Overall SCADA system Specification
- r) Overall CCTV System Specification
- s) Overall Fire Protection Equipment Specification
- t) SCADA, PPC and EMS Architectural/Hardware layout
- u) SCADA, PPC and EMS Software Specification, Methodology for accessing plant data
- v) Weather station (i.e. Product specification, Product test report, Warranty & Guarantee)
- w) Communication Cable schedule
- x) Auxiliary Load List

- y) Auxiliary Key SLD (Numbers of lighting pole, flood lights)
- C. Switchyard
 - a) Switchyard Equipment layout
 - b) Switchyard earthing layout
 - c) Switchyard lighting layout
 - d) Switchyard SLD and Layout
 - e) Switchyard conductor stringing detail
 - f) Conductor suspension and tension hardware detail-A4 (1 no.)
 - g) Switchyard cable schedule
 - h) Switchyard wiring schedule
 - i) Switchyard Fire Protection Equipment Layout
 - j) Switchyard Protection System as per GETCO/any other state Transmission company or CTU as per GERMI requirement

4.1.2 Developing of new designs for Ground mounted Solar, Rooftop Solar, Canal bank, Canal top, Floating Solar and BESS System

The consultant shall have to work on following activities for Development of new Designs:

- a) Review of the pertinent site data i.e ERT, System Study, Load Flow Study Report etc.,
- b) Develop Plan, Elevation and Section based on given GA drawing,
- c) Key SLD (AC / DC)
- d) Overall PV Array Layout
- e) Main Control Room, Inverter Room and BESS Room equipment Layout Overall Cable Layout (AC / DC)
- f) DC, AC , Communication & Instrumentation cable schedule and layout
- g) Battery Energy Storage System Capacity Calculation, Design & Drawings along with its all associated equipment
- h) Overall Earthing Layout (Individual equipment and earthing grid drawing) with calculation
- i) Overall Lightning Layout with specification
- j) General arrangement layout of equipments with earth pit details (Inverter, 300/11KV, 33KV, 66KV Power Transformer, UPS)
- k) Control room lighting layout detail, Plant lighting Layout
- l) SLD of control room lighting, plant lighting
- m) General arrangement layout of control/relay panel, battery charger, SCADA unit, CCTV, Fire Protection Equipment, LT & HT panel, DB's etc
- n) Cable Sizing (AC / DC, Instrumentation and LT / HT) with calculation
- o) Cable loss calculation (AC / DC, Instrumentation and LT / HT) with calculation
- p) Distribution box SLD (Single Line Diagram), LDB, PDB, DCDB, Bay mask kiosk
- q) UPS / Battery Sizing with calculation for protection circuit
- r) Overall SCADA system Specification
- s) Overall CCTV System Specification
- t) Overall Fire Protection Equipment Specification
- u) SCADA, PPC and EMS Architectural/Hardware layout
- v) SCADA, PPC and EMS Software Specification, Methodology for accessing plant data
- w) Weather station (i.e. Product specification, Product test report, Warranty & Guarantee)

- x) Communication Cable schedule
- y) Auxiliary Load List
- z) Auxiliary Key SLD (Numbers of lighting pole, flood lights)
- aa) Switchyard
- bb) Switchyard Equipment layout
- cc) Switchyard earthing layout
- dd) Switchyard lighting layout
- ee) Switchyard SLD and Layout
- ff) Switchyard conductor stringing detail
- gg) Conductor suspension and tension hardware detail-A4 (1 no.)
- hh) Switchyard cable schedule
- ii) Switchyard wiring schedule
- jj) Switchyard Fire Protection Equipment Layout
- kk) Switchyard Protection System as per GETCO/any TRANSCO
- ll) Preparation of Bill of Quantities with Specification and Makes,
- mm) Preparation of Costing as per latest CPWD / DSR rates,

4.1.3 Preparation of Detailed Project Report (DPR) of Solar Power Plant/Park: Designing for Detail project report may be for Ground Mounted solar plant/park, Canal Top power plant/park, Canal bank power plant/park, BESS System, Highway Top plant/park, Floating Solar Park plant/park. Electrical designer shall have to do below mentioned activities for any type of DPR with or without BESS

- 1) Plot planning along with infrastructure consideration in AutoCAD as per instruction of GERMI at GERMI office. It may have several revisions as per GERMI's client requirement.
- 2) Review of ERT report, Load flow studies, short circuit studies and fault level calculations and etc.
- 3) Based on various report design of various infrastructures like Area Lighting / Street Lights, Illumination in Admin Buildings, Office Buildings, Switchyard Building & Switchyard of 33 kV / 66 kV / 132 kV/ 220 kV /400 kV, Lightning Arrestor, Power Evacuation Infrastructure etc.
- 4) Preparation of specification of various items of designed infrastructure/items for park/plant DPR, Specification to be added in DPR, material specification, estimate & costing of various infrastructure, Bill of Quantity (BoQ), employment generation, Planning and Scheduling etc

4.1.4 List of the Jobs for which drawings or designs are needed to be developed for Solar Power Plant:

- a) Illumination Design for Room like inverter room, control room and security room. Rooms may be of Pre-fab material or RCC.
- b) Design for Electrical System Components like DC & AC Solar PV Power Project with or without BESS and its associated equipment.
- c) Design for Switchyard Components. It may be 66KV,132 KV,220 KV & 400 KV based on size of plant in MW (inclusive of all components)
- d) Design for Switchyard superstructures (inclusive of all components)

- e) Design of peripheral lighting
- f) Any other additional specifications related to electrical design, calculation and layout which is not specified above.

4.1.5 Preparation of Tender for any items/infrastructure

Preparation of tender for any item/infrastructure along with drawing, estimate & costing of various Electrical infrastructure, BoQ, its specification, GCC, SCC, payment terms, modes of measurement, IS /IEC requirements and any other statutory requirements, test requirements, Pre-Qualification criteria and all other tender related clause as per Government notifications and GR's. Tender preparation may be for Solar PV Electrical System Components, Switchyard / Substation, Area Illumination, Earthing System, Streetlights, Communication System (SCADA/PLC), Illumination in Admin building, Control Room, Inverter Room, Store Room, Convention centre, Auditorium, any type of building, Floating solar Electrical components, Battery Energy Storage System.

4.2 Validity Period

- 4.2.1** The Contract shall be valid for Two (2) year extendable to further two (2) more years. For each project, GERMI shall provide an official intimation to the Consultant to start the work and thus, the entire Scope of Work as per the Work Order to be completed on project basis.
- 4.2.2** The Consultant shall accept the Work Order within seven (7) working days otherwise they will be liable for necessary action from GERMI.

5 General Terms and Conditions

5.1 Consultant and its team

- 5.1.1 The Consultant can be an individual or a group of people working as a team.
- 5.1.2 In case of a team the Bidder shall nominate a person as the “Technical Expert” with minimum three (03) years of experience in relevant area of the Scope of Work of this RFP. The Curriculum Vitae of the Technical Expert should be included in the Bid.
- 5.1.3 The Consultant’s Team shall be approved by GERMI. Further, the Consultant shall not change any team member from its team without prior approval from GERMI.

5.2 Insurances

- 5.2.1 The responsibility of all types of applicable and required insurance coverage for the Bidder’s personnel, material, equipment, etc. deployed for the scope of services shall rest with the Bidder and in no way GERMI shall be responsible for any liability or damages, whatsoever.

5.3 Reimbursements

- 5.3.1 GERMI shall arrange & borne the cost of only one (01) member of the Consultant’s Team for its travel; stay and food for each site visit (Outside the Gujarat).
- 5.3.2 GERMI shall not reimburse any cost involving travel within Gujarat.
- 5.3.3 Manday Charges shall include total travelling duration including working.

5.4 Payment Terms

- 5.4.1 Payments shall be made to the Consultant on completion of the deliverables as per the Work Order for each RA Bill.
- 5.4.2 The appropriate person in GERMI shall first verify the invoice and in case of any discrepancy has the rights to ask justifications from the Consultant.
- 5.4.3 This representative shall also have right to restrict the payment of the Consultant to a particular amount and deduct penalty from the invoice, if any, for that particular month.
- 5.4.4 Payments shall be made to the Consultant within Forty five (45) days of receipt of Invoice through Online Payment.

5.5 Confidentiality

- 5.5.1 All reports, drawings, diagrams, designs, specifications, material lists, flow sheets, patterns and other documents collected / prepared in connection with the services hereunder shall at all stages be termed as Confidential Information and remain the property of GERMI and while in the custody of the Consultant shall be fully available to GERMI and its duly authorized representatives.
- 5.5.2 Similarly, all the drawings, designs, calculations, specifications, lists, photographs etc. pertaining to the project, furnished by the Consultant shall also be a part of the Confidential Information and be the properties of GERMI and shall be delivered to GERMI on completion of the work.
- 5.5.3 On completion of the assignment, all Confidential Information shall be handed over by the Consultant to GERMI.

- 5.5.4** The Consultant/ Bidder shall hold in confidence this assignment and all activities relating to the Project and all documents and other information whether technical or commercial which is of a confidential nature supplied by or on behalf of GERMI relating to the design, construction, insurance, operation, maintenance, management and financing of the Project and shall not, save as required by law or appropriate Competent Authorities disclose the same to any third party without any written approval from GERMI.
- 5.5.5** Literature, drawings, reports, instruction manuals etc. of different manufacturers, suppliers, bidders and other Confidential Information, which are made available to the Consultant shall be used exclusively for the project activities only and shall not be used for any other purpose. The same shall also be carefully preserved by the Consultant till the completion of the project and returned to GERMI in good condition, prior to closing of the contract.
- 5.5.6** The Consultant shall not mention the name of our client in any of its communications or documents without prior permission of the GERMI.

5.6 Intellectual Property

- 5.6.1** Any and all works of authorship, inventions, discoveries, processes, machines, manufactures, compositions of matter, formulas, techniques, computer programs, systems, software, source code, firmware, object code, hardware systems, mask works, trade secrets, proprietary information, schematics, flow charts, databases, customer lists, marketing plans, product plans, business strategies, financial information, forecasts, trademarks, service marks, brand names, trade names, compilations, documents, data, notes, reports, findings, recommendations, designs, drawings, sketches, notebooks, ideas, concepts, technical data and/or training materials, and improvements to or derivatives from any of the above, whether or not patentable, or subject to copyright or trademark or trade secret protection, shall be collectively termed as "Intellectual Property."
- 5.6.2** All Intellectual Property arising out of the Consultant's services towards fulfilling the Scope of Work and the rights thereto ("Intellectual Property Rights") free and clear of any encumbrance, shall be owned by GERMI.

5.7 Assignment

- 5.7.1** This being a consultancy assignment, considering expertise, experience and resourcefulness of the Consultant, all the services for the comprehensive project consultancy shall be provided by the Project Consultant.
- 5.7.2** The rights and liabilities of the Consultant shall not be assigned or transferred by them.
- 5.7.3** However, if it is decided that the project shall be executed by other agency/organization, GERMI shall have rights to assign this order to the other agency.

5.8 Indemnity

- 5.8.1** The Bidder shall indemnify GERMI in respect of all claims, damages or injury or damage to any representative of Bidder and/ or property assigned to this Project.

5.9 Cancellation/ Termination

- 5.9.1** GERMI at its discretion reserves the right to cancel/ terminate the contract partly or wholly or reduce the Scope of Work, at its discretion, by giving ten (10) days notice without assigning reasons during the tenure of the Contract, which shall be binding to the

Consultant and the Consultant shall be paid fees only for the actual work carried out based on discussion, agreements, justification, documents, etc.

- 5.9.2** Whereas, against scope reduction, if any, the justified reduction in contract price shall be bided, discussed and agreed and accordingly contract price shall be amended.

5.10 Governing Law

- 5.10.1** The Order shall be governed by the Law of India. The Gandhinagar/ Ahmedabad courts shall be the exclusive jurisdiction.

- 5.10.2** In case of the arbitration, the place of Arbitration shall be Gandhinagar/ Ahmedabad.

5.11 Penalty

Penalty on Empanelled Electrical designer shall be imposed on various parts are as below :

- 5.11.1** The Consultant shall have to carry out the work for Part-B, Part-C, Part-D & Sr. 2 of Part-E within the time duration given in LoA/WO.

- 5.11.2** The Consultant shall review reply /comments/approvals for Part-A and Sr. 1 of Part-E within 3 days from the date of submission of Documents/Designs/Drawing/s Reports etc.

- 5.11.3** In Case of delay in any Item Description of Part-B, Part-C, Part-D & Sr. 2 of Part-E over and above time mentioned in work order then penalty shall be imposed as @ 0.25% of particular Item description rate per day and maximum upto 5% of total work order fee of consultant.

- 5.11.4** In case of delay in any Item Description of PART-A & Sr.1 of PART-E: Penalty shall be imposed on individual items if duration in review in exceed duration granted by GERMI (i.e. More than 3 days). Duration exceeded for each drawing/design shall be noted separately. Same shall be shared to consultant for better co-ordination. Applicable Penalty shall be imposed as @ 0.25% of particular Item description rate per day and maximum up to 5% of total work order fee of consultant.

- 5.11.5** For Each Assignment/Work / LoA/ Work order allocate to Empanelment Electrical Consultant, these clause of penalty (i.e. 5.11) will be applicable.

5.12 Other general terms

- 5.12.1** For Part-B & Sr.2 of Part-E, Revision in part of the design shall not be treated as new design. Only complete change or alteration in the design shall be treated as new design.

- 5.12.2** For Part-B, Part-C & Sr.2 of Part-E, GERMI may asked to submit the DD/BG for the value equivalent to allotted assignment or may retain the 10% amount as Security Deposit which will be released after completion of assignment. Applicability of this clause will be at discretion of GERMI.

- 5.12.3** For Part-B, Part-C & Sr.2 of Part-E, Consultant has to provide 1 Soft copy (PDF/Autocad) and 2 sets of Hard copy of the Designs, Drawings, BOQs, Specifications with his/her approval with signature and stamp.

- 5.12.4** For All Parts, Total liability shall be of Consultant equivalent to their work order amount.

- 5.12.5** No deviation from the terms and conditions is allowed.

Annexure 1: Format of Covering Letter for Submission of Bid

[Covering Letter shall be on the official letterhead of the Bidder.]

[Reference No.]

From:

[Address of the Consultant]

[Telephone No., Fax No., Email]

[Date]

To:

The Director General

Gujarat Energy Research and Management Institute

1st, Floor Energy Building

Pandit Deendayal Energy University Campus

Gandhinagar, Gujarat 382 007

INDIA

Sub: Bid for Empanelment of Electrical Consultant/Expert for Solar PV Power Projects of GERMI.

Ref. No.: GERMI RFP Document No. GERMI/RE4/SERVICES/2022-23/02

Dear Sir,

I,..... [Name of Authorized Representative], the authorized representative of..... [Name of Company], having read, examined and understood in detail the RFP for selection of Consultant for Electrical work of Solar Power Project of GERMI.

We give our unconditional and irrevocable acceptance to the RFP including but not limited to all its instructions, terms and conditions, and formats attached thereto, issued by GERMI, as amended. In token of our acceptance to the RFP, the same have been initialled by us and enclosed to the Bid. We accept that all decisions made by GERMI in respect of any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of the Bid process.

We undertake that we fulfil the requirement enabling us to become eligible for bidding for the RFP. We also provide our unconditional consent to GERMI's any decision regarding our disqualification based on our eligibility without GERMI assigning any reasons for disqualification thereof.

We have enclosed the requisite Bid Processing Fees of Rupees..... as per the provisions of the RFP in the form of Demand Draft No. [Demand Draft No. here] from [Bank name] dated [date] and Earnest Money Deposit of Rupees as per the provisions of the RFP in the form of Demand Draft No. [Demand Draft No. here] from [Bank name] dated [date].

We confirm that there have no litigations or disputes against us, which materially affect our ability to fulfil our obligations with regard to fulfilling our obligations as per the RFP. We also confirm that we are not blacklisted by any company, private or government.

The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

Sign and Stamp

We confirm that all the prices, terms and conditions, etc. of our Bid are valid for acceptance for a period of 6 (six) months from the Bid Submission Deadline.

Details of the contact person representing our organization for the Bid process are as follows:

Name :

Designation :

Organization :

Address :

.....

.....

Mobile :

Phone :

Fax :

Email :

All the necessary submissions are attached herein as per the formats and methods specified in this RFP as indicated in the attached Bid Submission Checklist.

Dated the [day of the month] day of [month, year] at [place].

Thanking you,

Sincerely yours,

Signature:

Name :

Designation:

Date:

Stamp

Annexure 2: Format of Financial Bid for Electrical Consultant/Expert for GERMI Solar PV Power Projects.

[Covering Letter shall be on the official letterhead of the Bidder.]

[Reference No.]

From:

[Address of the Lead Consortium Member]

[Telephone No., Fax No., Email]

[Date]

To:

The Director General

Gujarat Energy Research and Management Institute

1st Floor, Energy Building,

Pandit Deendayal Petroleum University Campus,

Gandhinagar, Gujarat 382 007

INDIA

Sub: Financial Bid for Empanelment of Electrical Consultant/Expert for Solar PV Power Projects of GERMI.

Ref: GERMI RFP Document No. GERMI/RE4/SERVICES/2022-23/02

Dear Sir,

I, [Name of Authorized Representative], the authorized representative of..... [Name of Company], having read, examined and understood in detail the RFP for selection of Electrical Consultant/Expert for Solar Power Projects of GERMI, hereby submit our Financial Bid as follows:

Sign and Stamp

PART- A: Financial Bid for Review Work/ Proof Checking Work:

Sr. No.	Item Description	Units	1 MW to 20 MW (Single/ Multiple Plot)	21 MW to 50 MW (Single/ Multiple Plot)	51 MW to 100 MW (Single/ Multiple Plot)	101 MW and Above (Single/ Multiple Plot)
			(A1)	(A2)	(A3)	(A4)
			Basic Rate (INR)	Basic Rate (INR)	Basic Rate (INR)	Basic Rate (INR)
1	Technical Specifications (A) & Costing	1 Number				
2	Key SLD for DC / AC part of Plant and Cable Schedule	1 Number				
3	Overall Earthing System	1 Number				
4	Overall Lightning and Surge Protection System	1 Number				
5	Overall Plant Lighting System	1 Number				
6	Overall Design for Inverter Room with heating calculation	1 Number				
7	Overall Design for Control Room cum Conference Room	1 Number				
8	Overall Design for Plant Auxiliary (s)	1 Number				
9	Overall Switchyard Equipment Layout	1 Number				
10	Overall Switchyard Earthing Layout	1 Number				
11	Overall Switchyard Lighting Layout	1 Number				
12	Overall Switchyard Conductor Stringing Design /Transformer Yard DP Structure Design	1 Number				
13	Overall Switchyard Cable Schedule	1 Number				
14	Overall BoQ including DC / AC / Switchyard / Metering /Transformer Yard	1 Number				
15	Overall SCADA Communication, PPC specification and architectural layout, CCTV, Fire Protection System Equipment Specification, Instrumentation Cable Schedule	1 Number				
16	Overall Battery Energy Storage System Calculation, Battery Room or container Layout, Design, Protection System, Fire Protection system design and calculations, Air Conditioning System, , Energy Management System, etc	1 Number				

17	Manday Charges during Site Visits Payable on Actual Visit	1 Number				
	Total of Part A (INR)					
	GST @18% applicable as of Date (INR)					
	Total of Part A including GST (INR)					
	Total Consultancy Fee for PART-A (Sum of A1 to A4) Including GST (INR)					

Note:

- 1) MW Capacity in above table is indicated AC Capacity.
- 2) Payment shall be made for the actual work or site visit carried out.
- 3) Visit to GERMI office will not be considered as a site visit and Manday Charge.
- 4) For any item mentioned in Price schedule is to be read in co-relation with detailed scope of work mention in this RFP

PART- B: Financial Bid for Design Work:

Sr. No.	Item Description	Units	1 MW to 20 MW (Single/Multiple Plot)	21 MW to 50 MW (Single/Multiple Plot)	51 to 100 MW (Single/Multiple Plot)	101 MW and Above (Single/Multiple Plot)
			(B1)	(B2)	(B3)	(B4)
			Basic Rate (INR)	Basic Rate (INR)	Basic Rate (INR)	Basic Rate (INR)
1	Development of Technical Specifications (A) & Costing	1 Number				
2	Development of Key SLD for DC / AC part of Plant and Cable Schedule	1 Number				
3	Overall Earthing System	1 Number				
4	Overall Lightning and Surge Protection System	1 Number				
5	Overall Plant Lighting System	1 Number				
6	Overall Design for Inverter Room with heating calculation	1 Number				
7	Overall Design for Control Room cum Conference Room	1 Number				
8	Overall Design for Plant Auxiliary (s)	1 Number				
9	Overall Switchyard Equipment Layout	1 Number				
10	Overall Switchyard Earthing Layout	1 Number				
11	Overall Switchyard Lighting Layout	1 Number				
12	Overall Switchyard Conductor Stringing Design /Transformer Yard DP Structure Design	1 Number				

13	Overall Switchyard Cable Schedule	1 Number				
14	Overall BoQ including DC / AC / Switchyard / Metering /Transformer Yard	1 Number				
15	Overall SCADA Communication, PPC specification and architectural layout, CCTV, Fire Protection System Equipment Specification, Instrumentation Cable Schedule	1 Number				
16	Overall Battery Energy Storage System Calculation Battery Room or container Layout, Design, Protection System, Fire Protection system design and calculations, Air Conditioning System, , Energy Management System, etc	1 Number				
17	Manday Charges during Site Visits Payable on Actual Visit	1 Number				
	Total of Part B (INR)					
	GST @18% applicable as of Date (INR)					
	Total of Part B including GST (INR)					
	Total Consultancy Fee for PART-B (Sum of B1 to B4) Including GST (INR)					

Note:

- 1) MW Capacity in above table is indicated AC Capacity.
- 2) Payment shall be made for the actual work or site visit carried out.
- 3) Visit to GERMI office will not be considered as a site visit and Manday Charge.
- 4) For any item mentioned in Price schedule is to be read in co-relation with detailed scope of work mention in this RFP

Part C: Preparation of DPR:

Sr. No.	Item Description	Unit	Upto 500 MW	501 MW to 1000 MW	1001 MW to 3000 MW	3001 MW and Above
			(C1)	(C2)	(C3)	(C4)
			Basic Rate (INR)	Basic Rate (INR)	Basic Rate (INR)	Basic Rate (INR)
1	Preparation of Detailed Project Report (DPR) of Solar Plant/Park with or without BESS System includes planning & layout in AutoCAD as per GERMI requirement at GERMI office, Development of Design and Drawing of Electrical Infrastructure and Switchyard for pooling station, Preparation of BoQ, Preparation of Cost Estimate of each Electrical infrastructure, development of specifications for each item to be included in DPR, material specification, Planning and Scheduling review of various reports, site visits, etc.	1 Set				
GST @18% applicable as of Date (INR)						
Total Consultancy Fee for PART-C including GST (INR)						
Total Consultancy Fee for PART-C (Sum of C1 to C4) including GST (INR)						

Note:

- 1) MW Capacity in above table is indicated AC Capacity
- 2) For any item mentioned in Price schedule is to be read in co-relation with detailed scope of work mention in this RFP.

Part D: Preparation of Tender Document:

Sr. No.	Item Description	Unit	Consultancy Fees Basic Rate (INR)
1	Preparation of Tender Documents for any item/infrastructure considering various IS, IEC, UL, various government notifications and GR's, various clauses including developing design, BoQ, cost estimates, development of drawings etc.	Per Tender	
2	Preparation of Tender documents for any item/infrastructure based on available design, drawing and reports.	Per Tender	
	GST @18% applicable as of Date (INR)		
	Total Consultancy Fee for PART-D including GST (INR)		

Note: For any item mentioned in Price schedule is to be read in co-relation with detailed scope of work mention in this RFP

Part E: Review Work/ Proof Checking Work and Design Work for Rooftop System:

Sr. No.	Item Description	Unit	Consultancy Fees Basic Rate (INR)
1	Review Work/ Proof Checking Work on any component/design/calculation/layout of Rooftop System varying in the range of 1 KW to 500 KW	Per Drawing & Design	
2	Design Work on any component of Rooftop System varying in the range of 1 KW to 500 KW	Per Drawing & Design	
	GST @18% applicable as of Date (INR)		
	Total Consultancy Fee for PART-E including GST (INR)		

Note: For any item mentioned in Price schedule is to be read in co-relation with detailed scope of work mention in this RFP

Dated the [day of the month] day of [month, year] at
[place].

Thanking you,

Sincerely yours,

[Signature & stamp]

[Name]

[Designation]

Date: _____

Annexure 3: List of Similar Projects

Sr. No.	Details of Client	Brief Description of the Overall Project	Scope of Work of Consultant	Work Order attached?	Completion Certificate attached?
1.	1 [Name] [Contact Person] [Designation] [Phone, Email]			Yes/No	Yes/No
2.					
3.					

Notes:

1. Description of Project can be included in a separate attachment. Please note that the scope of work of the Consultant should be clearly highlighted to be considered as experience during evaluation of this RFP.
2. It is mandatory to attach Work Order if particular project experience is to be considered during evaluation of this RFP.
3. Attachment of Completion Certificate is optional, but desirable.
4. The Bidder may highlight at least three (3) projects with no limit on the maximum number of projects.

[Signature & stamp]

[Name]

[Designation]

Date: _____

Sign and Stamp

Annexure 4: No Deviation Certificate

[Reference No.]

From:

[Address of the Lead Consortium Member]

[Telephone No., Fax No., Email]

[Date]

To:

The Director General

Gujarat Energy Research and Management Institute

1st Floor, Energy Building,

Pandit Deendayal Petroleum University Campus,

Gandhinagar, Gujarat 382 007

INDIA

Sub: No Deviation Certificate regarding Bid for Empanelment of Electrical Consultant/Expert for Solar PV Power Projects of GERMI.

Ref: GERMI RFP Document No. GERMI/RE4/SERVICES/2022-23/02

Dear Sir,

We, _____ (Bidder's name),
confirm our acceptance to all terms and conditions mentioned in the RFP Document, and all subsequent clarifications, in totality and withdraw all deviations raised by us, if any.

[Signature & stamp]

[Name]

[Designation]

Date: _____