

Selection of EPC Contractor for Survey, Design, Engineering, Supply, Procurement, Installation, Erection, Construction & Commissioning of Grid-Connected 12 MW (AC) Solar PV Power Plant for captive consumption Including Land on Lease for 27 years and Comprehensive Operation & Maintenance for 10 Years at Any Location in the State of Gujarat



SECTION V:
FORMS & FORMATS

SELECTION OF EPC CONTRACTOR FOR SURVEY, DESIGN, ENGINEERING, SUPPLY, PROCUREMENT, INSTALLATION, ERECTION, CONSTRUCTION & COMMISSIONING OF GRID-CONNECTED 12 MW (AC) SOLAR PV POWER PLANT FOR CAPTIVE CONSUMPTION INCLUDING LAND ON LEASE FOR 27 YEARS AND COMPREHENSIVE OPERATION & MAINTENANCE FOR 10 YEARS AT ANY LOCATION IN THE STATE OF GUJARAT

e-TENDER ID - 215408

Form Reference	Description	Remarks
F-1	Bidder Information Form	To be filled and submitted by the Bidder online on eTendering portal.
F-2	Undertaking for unconditional acceptance of entire set of Tender Documents and Zero Deviation Confirmation.	To be filled and submitted by the Bidder online on eTendering portal.
F-3	Declaration of Other Criteria as mentioned in the BQC	To be filled and submitted by the Bidder online on eTendering portal. In case Bidder has any ongoing or Past Litigation/Arbitration Proceedings, then Bidder shall declare accordingly and attach/upload list of such Past as well as on-going Litigation/Arbitration Proceedings, which includes the case no., date & year of filing litigation, the litigating parties, the subject matter of litigation, order(s) passed in litigation, present status of litigation, and the value of claim.
F-4	Declaration of Relationship with GGL Employees	To be filled and submitted by the Bidder online on eTendering portal. In case any Partner/Director/Proprietor of Bidder Firm is/are Relative(s) of or have any financial or business transactions with any Employee(s) of Gujarat Gas Limited, the same shall be notified/declared by the Bidder. Further, in case such a conflict of interest arises post completion of tendering process or during the tenure of the Contract, the same shall be intimated to GGL.
F-5	Confirmation Letter Regarding Land by the contractor	To be filled and submitted by the Bidder online on eTendering portal.
F-6	Bidder Certificate/Undertaking	To be filled and submitted by the Bidder online on eTendering portal.
F-7	Format of Disclosure of PV Technology Proposed	To be filled and submitted by the Bidder online on eTendering portal.
F-8	Format for Project Execution Plan	To be filled and submitted by the Bidder online on eTendering portal.
F-9	Submission of Technical Document	To be filled and submitted by the Bidder online on eTendering portal.

Form Reference	Description	Remarks
F-10	Details of Qualified Technical Staff	To be filled and submitted by the Bidder online on eTendering portal.
Annexure – A	Bid Security (EMD) Proforma	<p>This is required in case if Bidder wishes to submit Earnest Money Deposit (EMD) in the form of a Bank Guarantee.</p> <p>If so, it is to be submitted by the Bidder in original hard copy as per the format provided under Annexure – B.</p> <p>Scanned copy of the same to be submitted online on eTendering portal.</p> <p>Alternatively, Bidder can pay EMD through RTGS/ NEFT. GGL bank details has been provided under Section – I of tender documents. Refer clause 11.</p>
Annexure – B	Proforma For Contract Performance Bank Guarantee	It is to be submitted by the successful bidder(s) after award of Contract , in the format as provided under Annexure – B.
Annexure – C	Performa for O&M Bank Guarantee	It is to be submitted by the successful bidder(s) after award of Contract , in the format as provided under Annexure – C.
Annexure – D	Performa for Advance Payment Guarantee	It is to be submitted by the successful bidder(s) after award of Contract , in the format as provided under Annexure – D.
Annexure – E	Format for Financial Proposal	Format for the Financial Bid Submission
Annexure – F	Evaluation of Bid Value (EBV) for 12 MW (AC)	Method for the Evaluation of the Bid
Annexure – G	Procedure for Performance Testing	Method for the Performance Testing
Annexure – H	Format of Power of Attorney as Authorized Signatory	Format Authorized Signatory for POA
Annexure – I	Operation and Maintenance (O & M)	Details Regarding Operation and Maintenance (O&M) of the Plant
Annexure – J	Sample Land Lease Agreement	It will be provided to successful bidder along with LOI/Work Order

F-1
BIDDER INFORMATION FORM
(on BIDDER's Letter head)

To
GUJARAT GAS LIMITED,
Office no. 4 & 5,
Ground Floor, IT Tower-2, Info city,
Gandhinagar 380009, Gujarat, India.

1. Name of Firm/Company (As per PAN) _____
2. Type of Firm/Company :
(Tick One) ☐ INDIAN COMPANY ☐ FOREIGN COMPANY
☐ PRIVATE LIMITED
3. PAN linked with **AADHAAR**
: ☐ YES (Attach screen shot of Income Tax E-filing Portal)
: ☐ NO
4. Mirco/Small/Medium Scale : ☐ YES (Copy of relevant certificate to be attached)
: ☐ NO
5. GST Registered Address _____
(Intended Place of Supply of Material/Service to GGL)
6. GST Registration No. (GSTIN) : _____ - Corresponding to the Address mentioned in Sr. No. 3 above (Copy of GST Registration Certificate to be attached)
7. GST Registration Type : Registered / Registered-Composition
Note: GST Registration is mandatory for supplying any Material and/or Service to GGL.
8. Address of Registered Office _____
(As per Certificate of Incorporation)
9. PAN No. _____ **(Copy of PAN Card to be attached)**
10. Name of Contact Person with designation _____
11. Telephone Number _____
(Country Code) (Area Code) (Telephone Number)
12. Mobile Number _____
13. E-mail address _____
14. Website _____

Note: Electronic Fund Transfer Mandate Form should be submitted as per attached format along with original cancelled cheque.

(SEAL AND SIGNATURE OF BIDDER)

F-2
NO DEVIATION CONFIRMATION
(on BIDDER's Letter head)

To,
GUJARAT GAS LIMITED,
Office No 4 & 5,
IT Tower - 2, Infocity,
Gandhinagar – 382009

REFERENCE: e-TENDER ID- 215408

Dear Sir,

1. I/We hereby declare that I/we have read, examined and understood the entire set of Tender/ RFQ Documents published and listed as below as well as any Corrigendum/Addendum/Tender Bulletin thereto

- a) Section - I: Instructions to BIDDERS (ITB)
- b) Section - II: Technical Scope of Work and/or Specifications
- c) Section - III: General Terms of CONTRACT (GTC)
- d) Section - IV: Special Terms of CONTRACT (STC)
- e) Annexure – 1 Details of Consumer Sites for captive consumption
- f) Any other Corrigendum/ Clarification(s), if any.

2. I/We hereby undertake to agree and accept the same unconditionally vide this declaration.

3. I/We hereby request you to consider this declaration in lieu of entire set of tender Document as signed and stamped acceptance.

4. I/We understand that any deviation/exception in any form may result in rejection of bid. We, therefore, certify that we have not sought any deviation(s)/ exception(s) and accept the tender documents in entirety.

5. I/We agree that if any deviation/exception is mentioned or noticed, our bid may be rejected.

Agreed and Accepted

(SEAL AND SIGNATURE OF BIDDER)

F-3
DECLARATION OF OTHER CRITERIA
(on BIDDER's Letter head)

To,
GUJARAT GAS LIMITED,
Office No. 4 & 5, Ground Floor,
IT Tower – 2, Infocity,
Gandhinagar – 382 009

Dear Sir,

With reference to Gujarat Gas Limited e-TENDER ID- 215408

1. I/We understand that a Bidder who submits or participates in more than one bid, directly or indirectly, will result in disqualification of all the proposals, in which the Bidder has participated. Hence, I/We hereby undertake & declare that we have submitted single bid against the above referred - Request for Quotation (). Further, I/we declare that neither the Bidder, its director(s), nor JV members have been convicted by any Court of Law for an offence involving moral turpitude in business dealings during the past seven (7) years.
2. I/We are NOT debarred or blacklisted or put on holiday by (a) Gujarat Gas Limited, or (b) any of the GSPC Group Companies or any Public Sector Undertakings (PSUs) of the Central Government / State Government / State Electricity Boards / Corporations/ GUVNL/ DISCOMs / GETCO / State Nodal Agencies, etc., as on the bid submission date.
3. I/We hereby confirm that (***Bidder shall tick/select any one of the options below - as applicable***)

☐

There is/are no on-going and/or Past Litigation(s)/Arbitration(s) process with, either (a) Gujarat Gas Limited, or (b) any of the GSPC Group Companies or any Public Sector Undertakings (PSUs) of the Central Government / State Government / State Electricity Boards / Corporations / GGL / GUVNL / GERMI / DISCOMs / GETCO / State Nodal Agencies, etc.

☐

There is/are on-going and/or Past Litigation/Arbitration process with, either (a) Gujarat Gas Limited, or, (b) any of the GSPC Group Companies, or any Public Sector Undertakings (PSUs) of the Central Government / State Government / State Electricity Boards / Corporations / GGL / GUVNL / GERMI / DISCOMs / GETCO / State Nodal Agencies, etc. details of which are attached herein (Bidder to attach/upload list of such Past as well as on-going Litigation/Arbitration Proceedings, which includes the case no., date & year of filing litigation, the litigating parties, the subject matter of litigation, order(s) passed in litigation, present status of litigation, and the value of claim, if any

GGL may evaluate the details of such litigation / arbitration proceedings and may at its sole discretions disqualify such bidder who is indulging in frivolous litigation/arbitration OR having history of initiating litigations/arbitrations, against GGL or GSPC Group Companies or any Public Sector Undertakings (PSUs) of the Central Government / State Government / State Electricity Boards / Corporations / GGL / GUVNL / GERMI / DISCOMs / GETCO / State Nodal Agencies, etc. and proceed with the bidding process. Further, the bidder shall provide any additional details/clarifications as may be require by GGL in this regard in time bound manner.

Note: With respect to point nos. 1, 2 and 3, if the aforementioned undertaking or any part thereof is found false/incorrect/inaccurate OR occurrence of any of the above-mentioned disqualifying events contemplated at point nos. 1, 2 and 3, during empanelment period/award period, shall make the concerned bidder liable for disqualification for tenders/contract award, at the sole discretion of GGL.

For the purpose of this Declaration, 'Litigation/Arbitration' shall mean any suit, litigation, arbitration, judicial or quasi-judicial proceeding initiated by/against the Bidder involving GGL and/or any of the GSPC Group Companies before any Court/ Forum/ Tribunal/ Authority/ Regulator/ Arbitrator as on the date of submission of bid.

F-4
DECLARATION OF RELATIONSHIP WITH GGL EMPLOYEES
(on BIDDER's Letter head)

To,
GUJARAT GAS LIMITED
Office No 4 & 5, Ground Floor,
IT Tower -2, Infocity
Gandhinagar 382 009

Dear Sir,
With reference to Gujarat Gas Ltd, e-TENDER ID- 215408

I/We hereby confirm that (Bidder shall tick/select any one of the options below - as applicable)

☐

I/We (including all Partners/Directors/Proprietor) are NOT Relative(s) of or have any financial or business transactions with any Employee(s) of Gujarat Gas Limited. It is further declared that if in the future such a conflict of interest arises, we will immediately intimate the same to GGL.

☐

I/We (any of Partner/Director/Proprietor) am/are Relative(s) of or have financial or business transactions with Employee(s) of Gujarat Gas Limited.
(Bidder to attach/upload list of such relationship, if any)

We hereby declare and confirm that the above information and particulars are true and correct.

We undertake that, at its sole discretion, GGL shall take appropriate action(s) in case of any contravention of this declaration.

Name & Sign of the Authorised Representative

Company Seal

Note: To encourage voluntary disclosures, any conflict of interest declared above would not mean automatic disqualification of the bidder(s) making such declarations. The declared conflict of interest would be evaluated and mitigation steps, if possible, would be taken by GGL. In case such mitigation is not possible, GGL may at its sole discretion exercise the right of disqualification of bidder(s).

CONFIRMATION LETTER REGARDING LAND BY THE CONTRACTOR
(on BIDDER's Letter head)

TO WHOM SO EVER IT MAY CONCERN

I, _____ s/o _____, and r/o _____) on behalf of _____ (Name of the company, if applicable), that have submitted its Tender at _____ (Location) confirms that;

1. The offered land stands mutated in the name of me /us /said company.
2. The offered land has a clear title and there is no dispute of any kind on this land.
3. The said land falls under the approved Master Plan of _____ (Name of Development Authority) having land use as _____. (Attach the copy of relevant Master Plan/ City Plan/Village plan showing the limit etc.)
4. The said offered land neither has been acquired nor is under any consideration for acquisition i.e. no land acquisition notice has been served till date by any of the authority.
5. Fixing of demarcation pillars exists defining the boundaries clearly/will be done on the said offered land before signing of Agreement.
6. The land is free from all kind of encumbrances.
7. The land is freehold/.
- 8.. We further confirm that;

A) We, have not taken any loan on the offered land

OR

We had taken a _____ loan, against the offered land, amounting to Rs. _____ from _____ (Name/address of the financial institution), which stands cleared as on date.

OR

(B) No charge has been created on the said offered land through Registrar of Companies (ROC)/ Tehsil in anyone's favour.

OR

A charge amounting to Rs. _____ was created in favour of _____ through ROC / Tehsil, which stand cleared as on date.

OR

(C) No third-party lien or interest has been created on the offered land.

OR

Third party lien or interest had been created on the offered land which has been cleared as on date.

OR

D) No Development agreement has been done with any third party on the offered land.

OR

Development agreement had been done with M/s _____ on the offered land which has been expired as on date.

Signature of the owner / Authorized representative

F-6
BIDDER CERTIFICATE/UNDERTAKING
(on BIDDER's Letter head)

- I/we hereby declare that I/We have persuaded in detail and examined closely the specifications/general terms & conditions/ special terms & conditions/ important instructions/notes described in the tender documents. I/We hereby agree to be bound by and comply with all such specifications/terms, conditions etc.
- I/We also certify that I/We have identified the locations of the proposed work and have collected all information including any modification work(s) required for execution of works before quoting my/our rates.
- I/We also confirm that my/our offer is strictly in line with the tender specifications, stipulations, terms and conditions etc. and understand that in the event of any deviations, technical or commercial, my/our price bid will not be opened.
- I/We also confirm that min. 95% net energy generation claimed will be achieved failing which pre-determined mutually agreed damages as imposed will be acceptable to me/ us.
- I/We have understood the tender specifications/ terms/ condition/ all content of tender and particularly intent behind the SITC & maintenance of the Solar Power Plants and bind my/ yourself for same.
- If any items/ conditions/ specifications/ scope of work is mentioned differently at more than one place(s) by chance, most appropriate decided by the department will apply & binding to the contractor.
- I/ We understand that the tender spell out the detailed specifications and other terms & conditions for supply, installation, testing, commissioning including & performance expectation during the contractual period. Every attempt has been made to express, communicate, spell out & Define all terms, conditions, specification of the works and site conditions etc. related to work; however, I/ We also understand that work has to be viewed in toto and therefore, anything missed out has been considered as a part of the tender even though it is not specifically and exclusively mentioned in the tender by GGL. Tender has been quoted accordingly
- I/ We have understood the intent of the tender besides content therein. I/ We assures that SPV based Power Plants will deliver the claimed performance with the best safety & work shall be carried out in the best engineering manner & practices prevailing in the field and according to relevant national/ international standards, laws & regulations Tender cost shall be full & final throughout the contractual period.
- Until the final Contract Documents are prepared and executed the Tender Documents with any modifications, additions, deletions agreed with the GGL(s) and your written acceptance thereof, shall constitute a binding Contract between us, upon terms contained in aforesaid documents and the Financial Proposal accompanying the Bid.
- I/ We understand that this project will be installed as per "Gujarat Solar Power Policy 2023 or GERC Regulation & its amendment)".

Any minor/ major modification works required to achieve above will be done free of cost by me/

us. No claims will be made and no issue will be raised by me/ us in the aforesaid matter(s) at later date or at any stage

Signature & Seal of Bidder

F-7
FORMAT OF DISCLOSURE OF PV TECHNOLOGY PROPOSED
(on BIDDER's Letter head)

Proposed AC Capacity (in MW)	:	
Proposed DC Capacity (in MWp)	:	
PV MODULE		
Type	:	_____ crystalline Silicon
Manufacturer	:	
Model Number	:	
Module Capacity	: W
No. of Cells per Module	:	
No. of Modules	:	
PV INVERTER		
Type	:	String Inverter/Central Inverter
Configuration	:	
Manufacturer	:	
Model Number	:	
Inverter Capacity at 50 Deg C temperature	: kW/KVA
Number of Inverters	:	
MODULE TRACKING		
Type	:	Select One: <input type="checkbox"/> Fixed <input type="checkbox"/> 1-Axis Manual Seasonal <input type="checkbox"/> Other, please specify.....

F-8

FORMAT FOR PROJECT EXECUTION PLAN

(on BIDDER's Letter head)

I. Division of Scope of Work

Discipline/ Equipment	Basic Engineering	Design/ Detailed Engineering	Procurement	Supply	Project Manageme nt	Construction / Fabrication/ Installation	Commissionin g

NOTES:

1. Bidder shall clearly indicate the agency which will carry each activity and the location of activity.
2. In case any activity is proposed with back-up consultant, Bidder shall clearly indicate role of back-up consultant.
3. Bidder to identify major equipment / items and discipline.

II. DETAILED PROJECT SCHEDULE

Sr.	Activity	Start Date	End Date
1.	Issue of Lol	Zero Date	
2.			
3.			

NOTES:

1. The Bidder shall ensure that the entire work is completed within 360 days of issue of Lol.
2. All Start Dates and End Dates to be indicated with respect to the Zero Date, e.g. +3 Days.
3. The Bidder may use as many lines as required to provide the detailed project schedule.

SIGNATURE OF BIDDER

NAME

DESIGNATION

SEAL DATE

F-9
SUBMISSION OF TECHNICAL DOCUMENT
(on BIDDER's Letter head)

A) Technical Documents to be submitted along with the technical bid (Soft copy)

1. Plant single line diagram
2. DC Capacity
3. AC Capacity
4. Inverter Block size Configuration
5. MMS (tilting)
6. PVSyst Report (As per 1st year NEEGG)

Details of Major Equipment's / Items (To be submitted with Bid)

Sr. No.	Description	Make	Model	Qty/Capacity / Rating
1.	PV Modules			
2.	String Junction Boxes (SJBs)			
3.	DC Cables			
4.	PCUs / Inverters			
5.	Inverter Transformer			
6.	AC Cables			
7.	HT Panel / Switchgear			
8.	LT Panel / Switchgear			
9.	Control and Relay Panel			
10.	SCADA System			
11.	Weather Monitoring System			
12.	Power Transformer			
13.	66 KV Switchyard at developer end			

B) Technical Documents to be submitted after award of Contract:

1. Staad Pro software file soft copy for Civil Foundation and Structure for verification of Civil & Structure design with third party.
2. Plant Layout
3. Conference cum Control room layout drawing
4. Civil MMS foundation drawing
5. Cross section drawing of road
6. Cross section drawing of fencing
7. MMS drawing along with weight
8. Detailed schematic drawings of control and protection circuit for Inverter, LT panel etc.

9. Bill of Material shall include item description, type, weight, quantity, make, part / model number, specification etc. for all equipment's / items supplied for the project
10. Internal and external General arrangement layout for inverter, etc.
11. Installation manual for all equipment's supplied under this Tender
12. Operation and maintenance manual for all equipment's supplied under this Tender
13. Earthing drawings for all equipment's supplied under this Tender
14. Parameter settings of inverter
15. Technical datasheets, GA Drawings, system design documents/philosophy for all equipment's supplied under this Tender
16. List of sub-vendors for all the Bill of Material items related to materials detailed drawings of foundations.
17. MQP, QAP and testing procedure for all equipment's supplied under this Tender
18. Detailed activity-time chart for entire project implementation indicating Start Date and End Date for each activity.
19. Any other documents required for project not mentioned above
20. Detailed manpower deployment schedule.

All documents / drawings shall be submitted in PDF as well as editable format like AutoCAD, excel, word etc, as per requirement by GGL.

i) PV Module

Documents to be submitted after award of Contract in Soft copy and Hard Copy:

1. As Built GA drawing of PV module indicating detailed dimensions, location of Junction box, DC cable length, details of mounting holes, etc.
2. Datasheets for electrical and mechanical properties indicating all the parameters specified in the detailed Scope of Work.
3. Performance data at STC as well as NOTC.
4. Graphs indicating:
 - a. Efficiency v/s. Temperature at incident irradi. For 200W/m², 400 W/m², 600W/m², 800W/m², 1000W/m².
 - b. Efficiency v/s. Incident radiation at STC condition.
 - c. I-V curves at various temperatures like STC, 6 ° C, 25 ° C, 35 ° C, 46 ° C as well as at various incident radiation for 200W/m², 400 W/m², 600W/m², 800W/m², 1000W/m².

- d. Temperature Vs Power at incident radiation. For 200W/m², 400 W/m², 600W/m², 800W/m², 1000W/m².
5. IEC certificates and other certificates as applicable.
6. Certificate of PV Cell and PV Cell QC documents from original cell manufacture applicable to PV Modules supplied under this contract.
7. Installation Manual
8. List of Sr. No. / RFID as per details mentioned in tender specification in Scope of Work for PV Modules.
9. Warrantee & Guarantee Certificate
10. O & M Manual

ii) PCU: Technical Documents to be submitted

The following support documents shall be submitted as part of its Scope of Work:

1. Datasheets for electrical and mechanical properties indicating all the parameters specified in the Scope of Work.
2. Performance data at STC
3. Graphs indicating:
 - a. Efficiency and AC output v/s. temperature
 - b. Efficiency v/s. AC output incident radiation at STC and NOTC
 - c. Efficiency and output curves at various incident radiation
 - d. Pout AC v/s. Pin DC
 - e. Efficiency profile v/s. Input power
4. IEC certificates
5. Compliance certificate as per GETCO/GUVNL/GEDA/MNRE/DISCOM requirements
6. Warranty documents
7. Installation manual
8. SLD of inverter showing switches, breakers, no of inputs, configuration etc.

F-10
DETAILS OF QUALIFIED TECHNICAL STAFF
(on BIDDER's Letter head)

Sr. No.	Name	Relevant Qualification	Additional Certifications	Total Years of Relevant Experience	Remarks
1.					
2.					
3.					
4.					
5.					
6.					

Note:

Kindly submit copies of resumes and appropriate certifications with this sheet.

Additional sheets may be used to provide accurate information.

Annexure – A
FORMAT FOR EARNEST MONEY DEPOSIT (EMD)
(If BIDDER opts to submit EMD in the form of a Bank Guarantee)

Bid Document No. :
Project :

To
Gujarat Gas Limited,
Gandhinagar

Bank Guarantee No.
Date

WHEREAS.....(Company Name) registered under the Indian Companies Act 1956 and having its Registered Office at India (hereinafter referred to as “the BIDDER”) proposes to tender and offer in response to tender Ref. No. ----- for ----- (hereinafter called the “TENDER”) issued by Gujarat Gas Ltd. a company incorporated under the Companies Act, 1956, having its registered office at Gujarat Gas CNG Station, Sector 5/C, Gandhinagar – 382006, Gujarat, India (hereinafter referred to as “GGL”).

AND WHEREAS, in terms of the conditions as stipulated in the TENDER, the BIDDER is required to furnish a Bank Guarantee in lieu of the Earnest Money Deposit (EMD), issued by any bank in India acceptable to you as per the list of Banks provided in the TENDER, in your favour in accordance with the Tender Document (which guarantee is hereinafter called as “BANK GUARANTEE”).

AND WHEREAS the BIDDER has approached us, for providing the BANK GUARANTEE.

AND WHEREAS at the request of the BIDDER and in consideration of the proposed TENDER to you, WE,.....having our Registered Office....., India have agreed to issue the BANK GUARANTEE.

THEREFORE, WE,, through our local office at, India furnish you the BANK GUARANTEE in manner hereinafter contained and agree with you as follows:

1. We....., undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from you and undertake to indemnify you and keep you indemnified from time to time to the extent of Rs.....(Rupeesonly) an amount equivalent to the EMD against any loss or damage caused to or suffered by or that may be caused to or suffered by you on account of any breach or breaches on the part of the BIDDER of any of the terms and conditions contained in the Tender and in the event of the BIDDER commits default or defaults in discharging any obligation in relation thereto under the TENDER or otherwise in the observance and performance of any of the terms and conditions relating thereto in accordance with the true intent and meaning thereof, we shall forthwith on demand pay to you such sum or sums not exceeding the sum of Rs.....(Rupees.....only) as may be claimed by you on account of breach on the part of the BIDDER of their obligations in terms of the TENDER.
2. Notwithstanding anything to the contrary contained herein or elsewhere, we agree that your decision as to whether the BIDDER has committed any such default or defaults and the amount or amounts to which you are entitled by reasons thereof will be binding on us and we shall not be

entitled to ask you to establish your claim or claims under Bank Guarantee but will pay the same forthwith on your demand without any protest or demur.

3. This Bank Guarantee shall continue and hold good until it is released by you on the application by the BIDDER after expiry of the relative guarantee period of the Tender and after the BIDDER had discharged all his obligations under the Tender provided always that the guarantee shall in no event remain in force after the day ofwithout prejudice to your claim or claims arisen and demanded from or otherwise notified to us in writing before the expiry of the said date which will be enforceable against us notwithstanding that the same is or are enforced after the said date.
4. Should it be necessary to extend Bank Guarantee on account of any reason whatsoever, we undertake to extend the period of Bank Guarantee on your request under intimation to the BIDDER till such time as may be required by you. Your decision in this respect shall be final and binding on us.
5. You will have the fullest liberty without affecting Bank Guarantee from time to time to vary any of the terms and conditions of the Tender or extend the validity of the offer or to postpone any time or from time to time any of your rights or powers against the BIDDER and either to enforce or forbear to enforce any of the terms and conditions of the said Tender and we shall not be released from our liability under Bank Guarantee by exercise of your liberty with reference to matters aforesaid or by reason of any time being given to the BIDDER or any other forbearance, act or omission on your part or any indulgence by you to the BIDDER or by any variation or modification of the Tender or any other act, matter or things whatsoever which under law relating to sureties, would but for the provisions hereof have the effect of so releasing us from our liability hereunder provided always that nothing herein contained will enlarge our liability hereunder beyond the limit of Rs.....(Rupees.....only) as aforesaid or extend the period of the guarantee beyond the said day of unless expressly agreed to by us in writing.
6. The Bank Guarantee shall not in any way be affected by your taking or giving up any securities from the BIDDER or any other person, firm or company on its behalf or by the winding up, dissolution, insolvency or death as the case may be of the BIDDER.
7. In order to give full effect to the guarantee herein contained, you shall be entitled to act as if we were your principal debtors in respect of all your claims against the BIDDER hereby guaranteed by us as aforesaid and we hereby expressly waive all our rights of surety ship and other rights, if any, which are in any way inconsistent with any of the provisions of Bank Guarantee.
8. Subject to the maximum limit of our liability as aforesaid, Bank Guarantee will cover all your claim or claims against the BIDDER from time to time arising out of or in relation to the said Tender and in respect of which your claim in writing is lodged on us before expiry of Bank Guarantee.
9. Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax or registered post to our local address as aforesaid and if sent accordingly it shall be deemed to have been given when the same has been posted.
10. The Bank Guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any other guarantee or guarantees here before given to you by us (whether jointly with others or alone) and now existing un-cancelled and that Bank Guarantee is not intended to and shall not revoke or limit such guarantee or guarantees.
11. The Bank Guarantee shall not be affected by any change in the constitution of the BIDDER or us nor shall it be affected by any change in your constitution or by any amalgamation or absorption thereof or therewith but will ensure to the benefit of and be available to and be enforceable by

the absorbing or amalgamated company or concern.

12. The Bank Guarantee shall come into force from the date of its execution and shall not be revoked by us any time during its currency without your prior consent in writing.
13. We further agree and undertake to pay you the amount demanded by you in writing irrespective of any dispute or controversy between you and the BIDDER.
14. Notwithstanding anything contained herein above;
 - i) Our liability under this Guarantee shall not exceed Rs.....
(Rupees.....only);
 - ii) This Bank Guarantee shall be valid up to and including the date; and
 - iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before the expiry of this guarantee.
15. We have the power to issue this Bank Guarantee in your favour under the Memorandum and Articles of Association of our Bank and the undersigned has full power to execute this Bank Guarantee under the Power of Attorney issued by the Bank.

For and on behalf of

Branch Manager

Seal Address

Annexure – B
To be submitted by the Successful Bidder(s) after Contract Award
PROFORMA FOR CONTRACT PERFORMANCE BANK GUARANTEE
(To be stamped in accordance with Stamp Act)

Ref No

Bank Guarantee No.

Dated

Gujarat Gas Limited
Gandhinagar

Dear Sirs,

1. In consideration of Gujarat Gas Limited, incorporated under Company's Act 1956 having its registered office at Gujarat Gas CNG Station, Sector 5/C, Gandhinagar – 382006, Gujarat and corporate office at Office No. 4 & 5, Ground Floor, IT Tower-2, Infocity, Gandhinagar 382 009, Gujarat (herein after referred to as "GGL" which expression shall unless repugnant to the context or meaning thereof include all its successors, Administrators, or meaning there of include all its successors, administrators, executors and assignees) having entered into a Contract / Purchase Order No. _____ dated _____ (herein after called the contract which express shall include all the amendments thereto) with M/s. _____ having its Head/ registered Office at _____ (herein after referred to as the Supplier / Contractors which expression shall unless repugnant to the context or meaning thereof mean and include all its successors, administrators, executors and assignees) shall furnish to GGL a Contract performance guarantee for Rs. _____ for the satisfactory performance of the entire contract.
2. We _____ (Name and full address of the bank) registered under the laws of _____ having head / registered office at _____ (herein after referred to as "The bank" which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and only permitted assignees) guarantee and undertake to pay immediately on first demand by GGL in writing, the monies to the extent of Rs. _____ (in figures) (Rs. _____ in words _____) without any demur, reservation , contest or protest and/or without any reference to the Contractor(s)/ supplier any such demand made by GGL on the Bank by serving a written notice shall conclusive and biding, without any proof, on the bank as regards the amount due and payable, notwithstanding any dispute(s) pending before any court, tribunal, Arbitrator or any authority and / or any other matter of thing whatsoever, as liability under these presents being absolute and unequivocal. We agree that the guarantee herein contained shall be irrevocable and shall continue to be enforceable until it is discharged by GGL in writing. This guarantee shall not be determined, discharged or affected by the liquidation, winding up, dissolution or insolvency of the Contractor(s)/ Supplier and shall remain valid, binding and operative against the bank.
3. The Bank also agree that GGL at its option shall be entitled to Enforce this Guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the Contractor(s)/ Supplier and notwithstanding any security or other guarantee that GGL may have in relation to Contractor(s)/ Supplier's liabilities.
4. The bank further agree that GGL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of their terms and conditions of the said contract or to extend time of the performance by the said contractor(s) / supplier from time

to time or to postpone for any time or from time to time exercise of any of the powers vested in GGL against the said contractor(s)/supplier and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) / Supplier or for any forbearance, act

or omission on the part of GGL or any indulgence by GGL to the said contractor(s) / Supplier or any such matter or thing whatsoever.

5. The bank further agree that the Guarantee herein taken for the performance of the contract and all dues of GGL under or by virtue of this contract have been fully paid and its claim satisfied or discharged or till GGL discharges this guarantee in writing or till its date of expiry whichever is earlier.
6. This guarantee shall not be discharged by any change in our constitution, in the constitution of GGL or that of the Contractor(s)/ Supplier.
7. The bank also agrees that this Guarantee shall be governed and construed in accordance with Indian Laws and subject to exclusive jurisdiction of Courts at Ahmedabad, India.
8. Notwithstanding anything contained herein above, our liability under this guarantee is limited to Rs. _____ (in figures) (Rs. _____ (in words) and our guarantee shall remain in force until it is discharged by GGL in writing or till its expiry date i.e. _____ (indicate the date of expiry of bank guarantee).
9. After the date of expiry i.e. _____ this guarantee shall remain valid for further period of three months from the date of expiry i.e. _____. The Bank agrees to honour any claim under this Guarantee within three months from the date of expiry of this guarantee i.e. upto _____ (mention date after three months after expiry).
10. The bank agrees to pay full or part amount under this bank guarantee immediately after submission of demand or claim or request letter from GGL at any branch of the bank within India.

In witness whereof, the bank through its authorised officer has set its hand and stamp on this _____ day of the _____ at _____.

(SIGNATURE)

Full name, Designation and Official address

(in legible letters)

with Bank Stamp

Attorney as per

Power of Attorney No.

Date: _____

Witness No. 1

Witness No. 2

(Signature)

Full name and official

Address

(In legible letters)

(Signature)

Full name and official

Address

(in legible letters)

Annexure – C
To be submitted by the Successful Bidder(s) after Contract Award
FORMAT OF BANK GUARANTEE FOR PERFORMANCE FOR O&M
(To be stamped in accordance with Stamp Act)

Ref No

Bank Guarantee No.

Dated

Gujarat Gas Limited
Gandhinagar

Dear Sirs,

Whereas M/s. _____ (Name & Address) (hereinafter called "The Bidder") have bid for

And whereas the conditions of bid aforesaid provide, inter alia, that the bidder shall pay to GGL (Address) (hereinafter referred to as "Beneficiary") a sum of Rs.....(Rupeesonly) as Maintenance Performance Guarantee in the form and manner and subject to the terms therein mentioned. And whereas the bidder has agreed to provide a BG through a Schedule Bank (Cooperative Bank not accepted) for Rs. _____ Towards Maintenance performance guarantee.

Now in consideration of the promises, we (Bank) _____ having our office at (Address) have agreed to and hereby give such guarantee as is hereinafter mentioned in your favour.

We (Bank Name) of (Address) (hereinafter called "The Bank") do hereby unconditionally, unequivocally and irrevocably undertake to pay the amount due and payable under this guarantee without any demur, contest or protest and without any reference to the Bidder (Name & Address) merely on demand from the beneficiary (GGL) stating that the amount claimed is due from the said Bidder (Name) _____. GGL shall be the sole judge and its decision communicated to us in this regard shall be final and conclusively binding on us.

GGL will have the full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the said bid with the said bidder and to enforce or to forbear from enforcing any powers or right or by reason of time being given to the said bidder which under law relating to the sureties would but for the provision have the effect of releasing us. Any such time/indulgence/forbearance and/or any act or omission or commission on your part will not vitiate our guarantee.

We (Bank's Name & Address) _____ undertake to pay to GGL any money so demanded forthwith notwithstanding any dispute(s) raised by in any suit or proceeding(s) pending before any court or tribunal relating thereto, any liability under this presents being absolute and unequivocal. The payment shall be made to GGL on receipt of invocation of this Bank Guarantee and without any reference to or first requiring the Bidder to make payment of the invoked Bank Guarantee amount to the Bank. The payment so made by us under this guarantee shall be a valid discharge of our liability for payment thereunder and that the Bidder (Name) shall have no claim whatsoever against us for making such payment.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of Constitution or insolvency of the said bidder but shall in all respects and for all purposes be binding and operative until full payment is received by you as if this is a continuing guarantee to secure your ultimate dues in this premises.

We have power to issue this guarantee in your favour under Memorandum and Articles of Association and undersigned has full power to do under the Power of Attorney dated granted to him by the Bank.

You will be at liberty to alter the terms and conditions of the said bid and/or to take any other security/guarantee/promissory notes from the bidder or others which will not affect/vitiate/discharge us of our liability under this guarantee.

We _____ (Name of Bank) further undertake that no change in the terms of the Bank Guarantee will be made during its currency except with the previous consent of GGL in writing.

This guarantee will bind our successors and assigns and will remain operative irrespective of any change in the constitution of our Bank and/or the bidder or the provision or contract between GGL and the Bidder.

Our liability under this guarantee is restricted to Rs. (Rs. only) and this guarantee shall remain in force till (date) and unless a demand or claim to enforce the guarantee is filed with us in writing on or before (date) __, we shall be relieved and discharged from all our liabilities hereunder.

For the purpose of enforcing legal right/remedies in respect of this guarantee, we agree with you that only _____ Courts at Gandhinagar in the State of Gujarat shall have exclusive jurisdiction.

Signed and delivery this _____ day of _____ 2025

Yours faithfully, For and on behalf of Bank

Signature of a person duly authorised to sign on
behalf of the Bank. With Seal

Annexure – D

ADVANCE PAYMENT GUARANTEE

(To be submitted by Bidder on a Non-Judicial Stamp Paper of Appropriate Value)

Date:

To,

GUJARAT GAS LIMITED
Office No 4 & 5, Ground Floor,
IT Tower -2, Infocity
Gandhinagar 382 009

Subject: Bank Guarantee No. _____

Whereas _____, a _____ incorporated under _____ having its registered office at _____ (hereinafter referred to as the "Contractor " which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns) have entered into Agreement for the SITC Of 12 MW (AC) Ground Mounted Grid Connected Solar Photovoltaic Power Plants With Land On Lease At Any Location in Gujarat With Comprehensive Maintenance Up To 10 Years, dated _____ with Gujarat Gas Limited (GGL) having its registered office at (Insert address of respective company)

Whereas, under the Agreement a payment of 10 % (ten percent) of the EPC Contract Value is payable in advance to the Contractor, as a security for which the Contractor is required to furnish to GGL an irrevocable, unconditional, first demand bank guarantee issued for a sum equal to 10% (ten percent) of the EPC Contract Value.

And whereas, _____ (Insert Bank name) having its registered office at _____ and a branch office at _____, India, hereinafter referred to as the "Bank" (which expression shall, unless repugnant to context or meaning, be deemed to mean and include its successors), being a Nationalised bank of India and acceptable to GGL, has at the request of the Contractor agreed to issue this advance re payment bank guarantee in favour of GGL.

Now therefore this Bank Guarantee witnessed as follows:

1. The Bank hereby undertakes the pecuniary responsibility of the Contractor to GGL for the repayment of the Work Advance by the Contractor to GGL and hereby issues in favour of GGL this irrevocable and unconditional work advance payment bank guarantee (hereinafter referred to as the "Guarantee") on behalf of the Contractor in the amount of _____ Indian Rupees (insert an amount equal to ten percent (10 %) of the EPC Contract Value).

2. The Bank for the purpose hereof unconditionally and irrevocably undertakes to pay to GGL without any demur, reservation, caveat, protest or recourse, immediately on receipt of first written demand from GGL, any sum or sums (by way of one or more claims) not exceeding in the aggregate the amount of _____ (insert an amount equal to ten percent (10 %) of the EPC Contract Value) without GGL needing to prove or to show to the Bank grounds or reasons for such demand for the sum specified therein and notwithstanding any dispute or difference between GGL and the Contractor in respect of the performance of the Agreement or moneys payable by Contractor to GGL or any

matter whatsoever related thereto.

3. The Bank acknowledges that any such demand by GGL of the amounts payable by the Bank to GGL shall be final, binding and conclusive evidence in respect of the amount payable by the Contractor to GGL.

4. The Bank hereby waives the necessity for GGL from demanding the aforesaid amount or any part thereof from the Contractor and also waives any right that the Bank may have of first requiring GGL to pursue its legal remedies against the Contractor, before presenting any written demand to the Bank for payment under this Guarantee.

5. The Bank further unconditionally agrees with GGL that GGL shall be at liberty, without the Bank's consent and without affecting in any manner the Bank's obligation under this Guarantee, from time to time, to:

- a. Vary and / or modify any of the terms and conditions of the Agreement.
- b. Extend and / or postpone the time for performance of the obligations of the Contractor under the Agreement.
- c. Forbear or enforce any of the rights exercisable by GGL against the Contractor under the terms and conditions of the Agreement.

and the Bank shall not be relieved from its liability by reason of any such act or omission on the part of GGL or any indulgence by GGL to the Contractor or other thing whatsoever which under the law relating to sureties, but for this provision, would have the effect of relieving the Bank of its obligations under this Guarantee

6. The Bank's obligations under this Guarantee shall not be reduced by reason of any partial performance of the Agreement. The Bank's obligations shall not be reduced by any failure by GGL to timely pay or perform any of its obligations under the Agreement.

7. Any payment made hereunder shall be made free and clear of and without for, or on account of, any present or future taxes, levies, imposts, duties, charges, fees, commissions, deductions or withholdings of any nature whatsoever and by whomsoever imposed, and where any withholding on a payment is required by law, the Bank shall comply with such withholding obligations and shall pay such additional amount in respect of such payment such that GGL receives the full amount due hereunder as if no such withholding had occurred.

8. This Guarantee shall be a continuing bank guarantee and shall not be discharged by the change in constitution of any member of the Contractor and the Guarantee shall not be affected or discharged by the liquidation, winding up, bankruptcy, re organisation, dissolution or insolvency of any member of the Contractor or any other circumstances whatsoever.

9. This guarantee shall be in addition to and not in substitution or in derogation of any other security held by GGL to secure the performance of the obligations of the Contractor under the Agreement.

10. The Bank agrees that GGL at its option shall be entitled to enforce this Guarantee against the surety, as a principal debtor in the first instance without proceeding at the first instance against the Contractor.

11. Without prejudice to any continuing liability to perform obligations under this Guarantee which have arisen prior thereto, the Bank shall be released from any further obligations arising hereunder

after _____ (insert the scheduled date of completion) unless this Guarantee is otherwise extended on account of failure to recover the entire Work Advance from the Contractor by the said date.

12. GGL may assign this Guarantee to any person and in such case GGL shall inform the Bank in writing. This Guarantee shall not be assigned or transferred by the Bank.

13. This Guarantee shall be construed and interpreted in accordance with and governed by the laws of India, and subject to Clause 13 above, the courts at Gandhinagar, Gujarat, India shall have jurisdiction over all matters arising out of or relating to this Guarantee.

14. The Bank has the power to issue this Guarantee in favour of GGL. The aggregate liability of the Bank under this Guarantee shall not under any circumstance exceed _____ Indian Rupees (insert an amount equal to ten percent (10%) of the EPC Contract Value).

15. Notwithstanding anything contained herein, this Guarantee shall be valid up to __/__/__. A written claim or demand shall be served upon us on or before the said date, after which this Guarantee shall become null and void.

16. No action, event or condition, which by any Applicable Law should operate to discharge the Bank from liability hereunder, shall have any effect and the Bank hereby waives any right it may have to apply such law, so that in all respects its liability hereunder shall be irrevocable and, except as stated herein, unconditional in all respects.

18. Capitalised terms not otherwise defined herein shall have their respective meanings given such terms set forth in the Agreement.

In witness whereof, the bank, through its authorized officer, has set its hand and stamp on this _____ day of _____ 20__.

SEAL AND SIGNATURE OF BANK REPRESENTATIVE

Annexure – E

**FORMAT OF FINANCIAL PROPOSAL
SCHEDULE OF PRICE**

All Schedules of Prices to be submitted online only

Submission Due Date:

(As per Bid Submission Instruction of Tender)

Table E-1: SCHEDULE OF SUPPLY PRICE
(To be submitted on line in e-format only)

PRICE SCHEDULE-A (SUPPLY PART)

Sr.	Item	Unit Rate (In Rs. per kW)	Qty (kW)	Price (without taxes & duties) (In Rs.)	Freight and Transportation (In Rs.)	Other Taxes & Duties (including safeguard duty, BCD and etc., if any) (In Rs.)	GST (In Rs.)	Final Price (In Rs.)
		A1	A2	(A)= A1*A2	(B)	(C)	(D)	(E) = (A+B+C+ D)
1	Supply of PV Modules		12000					
2	Supply of Inverters		12000					
3	Supply of MMS		12000					
4	Supply of Inverter Transformer		12000					
5	Supply of Power Transformer		12000					

Selection of EPC Contractor for Survey, Design, Engineering, Supply, Procurement, Installation, Erection, Construction & Commissioning of Grid-Connected 12 MW (AC) Solar PV Power Plant Including Land on Lease and Comprehensive Operation & Maintenance for 10 Years at Any Location in the State of Gujarat

Sr.	Item	Unit Rate (In Rs. per kW)	Qty (kW)	Price (without taxes & duties) (In Rs.)	Freight and Transportation (In Rs.)	Other Taxes & Duties (including safeguard duty, BCD and etc., if any) (In Rs.)	GST (In Rs.)	Final Price (In Rs.)
		A1	A2	(A)= A1*A2	(B)	(C)	(D)	(E) = (A+B+C+ D)
6	Supply of Balance of System excluding Sr.no 1 to 5, includes all equipment, materials, accessories etc of SPV Plant, mandatory spares, 66 KV Switchyard		12000					
7	Total Supply							

Note: -

- (1) Any item of Supply Part not mentioned in the above particulars but written elsewhere in the scope of Supply or in Technical Specification or essentially required for completion of works, proper operation and maintenance of solar power plant, safety of equipment and operating personnel shall be deemed to have been included in the above particulars.
- (2) Tie prices mentioned at this page shall be taken into consideration for evaluation of bids. Any variation observed elsewhere in the bids shall be ignored while evaluation the bids.

Selection of EPC Contractor for Survey, Design, Engineering, Supply, Procurement, Installation, Erection, Construction & Commissioning of Grid-Connected 12 MW (AC) Solar PV Power Plant Including Land on Lease and Comprehensive Operation & Maintenance for 10 Years at Any Location in the State of Gujarat

(3) The prices quoted should be inclusive of GST, all taxes, custom duties, Transportation charges, duties and levies including VAT/ WCT/ Cess etc

Table E-2: SCHEDULE OF WORK PRICE

(BREAK-UP OF COST FOR CONSTRUCTION, ERECTION, TESTING, COMMISSIONING, COD with GGL/GEDA/DISCOM& O&M)

Sr. No	Site wise work description	Capacity in MW (AC)	Basic	GST	Cost Inclusive of GST, all taxes and duties etc. (Rs.)
1	General works including construction, erection, testing, commissioning, COD with GEDA/DISCOM etc. of entire plant as per details specified in the Tender documents, on EPC Basis.	12			
	Total	12			

Note:

(1) Any item of work not mentioned in the above particulars but written elsewhere in the scope of work or in Technical Specification or essentially required for completion of works, proper operation and maintenance of solar power plant, safety of equipment and operating personnel shall be deemed to have been included in the above particulars.

(2) The prices mentioned at this page shall be taken into consideration for evaluation of bids. Any variation observed elsewhere in the bids shall be ignored while evaluation the bids.

(3) The prices quoted should be inclusive of GST, all taxes, duties and levies including VAT/ WCT/ Cess etc

Table E-3: Price Quote for O&M Contract 12 MW (AC) Projects- O&M CHARGES
(BREAK-UP OF COST FOR O & M FOR 12 MW (AC))

Sr. No.	Particulars	Total Maintenance Basic Charges including all taxes and duties except GST (Rs.) [A]	GST (Rs.) [B]	Total Maintenance Charges Inclusive of GST, all taxes and duties etc. (Rs.) C= A + B	Discount Factor (i.e. 10%) [D]	NPV of Total Maintenance Charges Inclusive of GST, all taxes and duties etc. (Rs.) E = C * D
1	1st year O&M Charges				1	
2	2nd year O&M Charges				0.909091	
3	3rd year O&M Charges				0.826446	
4	4th year O&M Charges				0.751315	
5	5th year O&M Charges				0.683013	
6	6th year O&M Charges				0.620921	
7	7th year O&M Charges				0.564474	
8	8th year O&M Charges				0.513158	
9	9th year O&M Charges				0.466507	
10	10th year O&M Charges				0.424098	

Note:

- The maintenance Charges should be quoted in rupees on 'Firm' Basis. Price shall be inclusive of GST, all taxes, duties, manpower/staff charges, transportation charges, labor charges etc.
- Any item of work not mentioned in the above particulars, but written elsewhere in the scope of work, technical specifications, essentially required for efficient operation and maintenance of Solar Power Plant, safety of equipment and maintenance personnel shall be deemed to have been included in the above particulars.
- The prices mentioned at this page shall be taken into consideration for evaluation of bids. Any variation observed elsewhere in the bid shall not be applicable. **Bidders has to quote their O&M charges as minimum 70 Lakh for First years. In case Bidder quote O&M charges less than 70 Lakh for First year, then bid shall not be accepted by online price bid portal.**



GUJARAT GAS

- a) The Rate for Comprehensive O&M including all taxes for subsequent year shall not be more than 3% of the previous year. E.g. The Rate for Comprehensive O&M including all taxes of 3rd Year shall not be more than 3% of the 2nd Year. If quoted rate of particular O&M year is more than 3% compared to immediate previous year then bid shall not be accepted by online price bid portal.
- b) The maintenance contract shall be renewable for another 10 years on the same terms & conditions but at the price as mutually agreed as per the conditions prevailing at the times.

Table E-4: Price Quote for Land Lease- CHARGES
(BREAK-UP OF COST FOR LAND ON LEASE FOR 12 MW (AC))

Sr. No.	Particulars	Total Land Lease Charges including all taxes and duties except GST (Rs.) [A]	GST (Rs.) [B]	Total Land Lease Charges Inclusive of GST, all taxes and duties etc. (Rs.) C = A + B	Discount Factor (i.e. 10%) [D]	NPV of Total Land Lease Charges Inclusive of GST, all taxes and duties (Rs.) E= C * D
1	1st year Land Lease Charges				1	
2	2nd year Land Lease Charges				0.909091	
3	3rd year Land Lease Charges				0.826446	
4	4th year Land Lease Charges				0.751315	
5	5th year Land Lease Charges				0.683013	
6	6th year Land Lease Charges				0.620921	
7	7th year Land Lease Charges				0.564474	
8	8th year Land Lease Charges				0.513158	
9	9th year Land Lease Charges				0.466507	
10	10th year Land Lease Charges				0.424098	
11	11th year Land Lease Charges				0.385543	



Sr. No.	Particulars	Total Land Lease Charges including all taxes and duties except GST (Rs.) [A]	GST (Rs.) [B]	Total Land Lease Charges Inclusive of GST, all taxes and duties etc. (Rs.) $C = A + B$	Discount Factor (i.e. 10%) [D]	NPV of Total Land Lease Charges Inclusive of GST, all taxes and duties (Rs.) $E = C * D$
12	12th year Land Lease Charges				0.350494	
13	13th year Land Lease Charges				0.318631	
14	14th year Land Lease Charges				0.289664	
15	15th year Land Lease Charges				0.263331	
16	16th year Land Lease Charges				0.239392	
17	17th year Land Lease Charges				0.217629	
18	18th year Land Lease Charges				0.197845	
19	19th year Land Lease Charges				0.179859	
20	20th year Land Lease Charges				0.163508	
21	21st year Land Lease Charges				0.148644	
22	22nd year Land Lease Charges				0.135131	
23	23rd year Land Lease Charges				0.122846	



Sr. No.	Particulars	Total Land Lease Charges including all taxes and duties except GST (Rs.) [A]	GST (Rs.) [B]	Total Land Lease Charges Inclusive of GST, all taxes and duties etc. (Rs.) $C = A + B$	Discount Factor (i.e. 10%) [D]	NPV of Total Land Lease Charges Inclusive of GST, all taxes and duties (Rs.) $E = C * D$
24	24th year Land Lease Charges				0.111678	
25	25th year Land Lease Charges				0.101526	
26	26th year Land Lease Charges				0.092296	
27	27th year Land Lease Charges				0.083905	

Note:

- a) The Land Lease Charges should be quoted in rupees on 'Firm' Basis. Price shall be inclusive of GST, all taxes, duties, any other charges etc.
- b) The prices mentioned at this page shall be taken into consideration for evaluation of bids. Any variation observed elsewhere in the bid shall not be applicable. The Rate for Land Lease including all taxes for subsequent year shall not be more than 3% of the previous year. E.g. The Rate for Land Lease including all taxes of 3rd Year shall not be more than 3% of the 2nd Year.

Table E-5: NEEGG FOR 12 MW (AC)

Sr. No.	Head (A)	NEEGG for 12 MW (AC) SPV project (In kWh) (B)
1	NEEGG for 1 st Year	2,53,00,000
2	NEEGG for 2 nd Year	2,51,22,900
3	NEEGG for 3 rd Year	2,49,47,040
4	NEEGG for 4 th Year	2,47,72,410
5	NEEGG for 5 th Year	2,45,99,004
6	NEEGG for 6 th Year	2,44,26,811
7	NEEGG for 7 th Year	2,42,55,823
8	NEEGG for 8 th Year	2,40,86,032
9	NEEGG for 9 th Year	2,39,17,430
10	NEEGG for 10 th Year	2,37,50,008

Bidder Has to provide Notarised document Undertaking by signing this page on 300 Rs. Stamp Paper, that they agreed and confirm to provide NEEGG as mentioned above.

Seal of Company

Signature of Authority

Evaluated Bid Value (EBV) = [(EPC Contract Price including (Supply + Work)) including taxes + (NPV of O&M Cost of each year O&M contract price of 10 Years) including taxes + (NPV of Land lease Cost of each year Land lease of 27 Years including taxes)]

i.e.

1. EPC Contract Price: Total Project Supply Price + Total Project Work Price including taxes
 - a. Total Project Supply Price: Schedule of Supply Price (Table E-1: SCHEDULE OF SUPPLY PRICE –A)
 - b. Total Project Work Price Table E-2: SCHEDULE OF WORK PRICE –B
2. Cost of Each Year O&M contract Price of 10 Years: Table E-3: Price Quote for O&M Contract 12 MW (AC) Projects-COST OF O&M CHARGES
3. Cost of Each Year Land Lease Contract Price of 27 Years: Table E-4: Price Quote for Land Lease Contract 12 MW (AC) Projects-COST OF LAND LEASE CHARGES

Sr. No.	Description	Values
1	EPC Contract Price including taxes	

Sr. No.	Description	Values
1.1	Total Project Supply Price including taxes	Table E-1: SCHEDULE OF SUPPLY PRICE –A
1.2	Total project Work Price including taxes	Table E-2: SCHEDULE OF WORK PRICE –B
2	NPV of O&M Cost of each year O&M contact price of 10 Years including taxes	Table E-3: Price Quote for O&M Contract 12 MW (AC) Projects- COST OF O&M CHARGES
3	NPV of Land lease Cost of each year Land Lease contact price of 27 Years including taxes	Table E-4: Price Quote for Land Lease Contract 12 MW (AC) Projects- COST OF LAND LEASE CHARGES
4	Total Evaluated Bid Price (EBV)	= (1.1+1.2+2+3)

Annexure – F

EVALUATION OF BID VALUE (EBV) FOR 12 MW (AC)

The Evaluation Bid Value (EBV) shall be calculated using the following parameters:

Parameters Quoted by the Bidder:

- i. Quoted EPC Contract Price (Supply Price + Work Price including all taxes),
- ii. NPV of Quoted O&M Contract Price for each year during the O&M of 10 years (From 1st to 10th Years) including taxes,
- iii. NPV of Quoted Land Lease Price for each year of total 27 years including taxes

The Evaluation Bid Value (EBV) shall be calculated using the above-mentioned parameters as follows:

Step 1		:	Quoted EPC Contract Price (Supply + Work)
Step 2		:	NPV of O&M of 10 years (From 1 st to 10 th Years) of O&M Cost quoted by the Bidder including taxes (All Components of Project)
Step 3		:	NPV of Quoted Land Lease Price for each year of total 27 years including taxes
Step 4	ADD	:	Summation of EPC Contract Price (Supply + Work) including taxes and NPV of O&M cost for 10 years (From 1 st to 10 th Years) including taxes and NPV of Land Lease cost of each year of 27 years including taxes

Evaluated Bid Value (EBV) = [(EPC Contract Price (Supply + Work) including taxes + (NPV of O&M Cost of each year O&M contract price of 10 Years including taxes) + (NPV of Land lease Cost of each year Land lease of 27 Years including taxes)]

NOTE: There is an e-Reverse Auction after opening of the Financial Bid where the Bidder has to give discount (Reduction in Quoted EPC Price) as per the procedure of the e-Reverse Auction. After e-reverse Auction, the Bidder with the lowest EBV in Rs. shall be the Successful Bidder.

Annexure – G
PROCEDURE FOR PERFORMANCE TESTING

Part A: Solar PV power plant Net power generation

1. The Contractor shall comply with the 'Net Electrical Energy Generation Guarantee' for annual basis as per **Table no E-5 of SCHEDULE OF PRICE**.
2. The Contractor shall demonstrate "Actual Delivered Energy" at metering point (Plant end 66 kV sub-station) as compared to the 'NEEGG' for every year from the date of starting of O&M Period.
3. The NEEGG as in Table no. E-5 in Appendix E, maximum permissible degradation shall not exceed 1% in the first year and 0.4% per year from the second year to the thirtieth year, thereby ensuring the minimum guaranteed power output at the end of 30 years in accordance with MNRE/IEC standards.
4. The NEEGG will be used for the calculating CUF.
5. The Bidder shall clearly mention the technology used i.e., seasonal tracker/single axis tracker/dual axis tracker (please specify) as per Table given in Form F-10.

Part B: Operational Acceptance Test Procedure

Performance Ratio (PR) - Test Procedure

1. Performance Ratio, as determined through the PR Test Procedure specified here should not be less than 75% for Operational Acceptance Test.
2. The Performance Ratio Test to prove the guaranteed performance parameters of the power plant shall be conducted at site by the Contractor in presence of the Owner. The Contractor's Engineer shall make the plant ready to conduct such tests. The Operational Acceptance Test shall be commenced, within a period of one (1) month after successful Commissioning and, there will be continuous monitoring of the performance for 30 days. Any extension of time beyond the above one (1) month shall be mutually agreed upon. These tests shall be binding on both the parties to the Contract to determine compliance of the equipment with the guaranteed performance parameters. This monitoring will be performed on the site under the supervision of the Owner/ Owner's engineer.
3. The test will consist of guaranteeing the correct operation of the plant over 30 days, by the way of the efficiency rate (performance ratio) based on the reading of the energy produced and delivered to the grid and the average incident solar radiation. During this period of 30 days, any 5 (five) instances of 15 (fifteen) minutes (preferably between 10:00 AM to 4:00 PM as per mutually agreed time) shall be taken to calculate the instantaneous Performance Ratio of 15 minutes block as per



the formula given below in Point No. 5. If the PR of these five instances is above 75%, then Operational Acceptance Test (OAT) shall be considered successful.

4. PR shall be demonstrated against the installed DC Capacity.
5. The Efficiency or performance ratio (PR) of the PV Plant is calculated as follows (according to IEC 61724 Ed. 2)

Performance Ratio:

$$PR = \frac{Y_A}{Y_R} * [1 - \alpha * (T_{average} - T_{cell})]$$

$$Y_A = E_{ac} / P_{Nom}$$

$$Y_R = IR_{Site} / IR_{STC}$$

Where;

Y_A = Final PV system yield (representing the number of hours that the system would need to operate at its rated output power P_{Nom} to contribute the same energy to the grid as was monitored).

Y_R = Reference yield (representing the number of hours during which the solar radiation would need to be at STC irradiance levels in order to contribute the same incident energy as was monitored).

E_{ac} = AC energy injected into the grid during a clearly specified amount of time (kWh).

E_{ac} = AC energy injected into the grid during a clearly specified amount of time (kWh).

P_{Nom} = Installed nominal peak power of modules (Nameplate rating at STC) (kWp);

IR_{Site} = Irradiation on the module plane of array during a clearly specified amount of time (measured with a pyranometer installed on the plane of array, POA) (kWh/sq. m)

IR_{STC} = Irradiance at STC (kW/ sq. m); 1000W/m²

T_{average} = Average cell/ module temperature (°C) over a period of time

α = Temperature coefficient of power (%/°C) (As per the PV Module Technical Datasheet specifications)

T_{cell} = PV Module temperature at which Po is determined, i.e. 25°C, where Po is Installed nominal peak power of PV modules, i.e. Nameplate rating at STC (kWp)

Monitoring System for PR Verification

The following instrumentation will be used to determine the Solar Plant Performance:

- Power Meter at the delivery point (Source: PLANT end ABT meter from SCADA, Temporal resolution: 15 minute).

- Power Meter for each inverter & TVM meter of Each Block/HT Panel for reference only.
- One nos. calibrated pyranometer as per CLASS A of latest edition of IEC 61724-1 to determine irradiance on the plane of array (Source: SCADA, Temporal resolution: 1 minute)
NOTE: Shall be used of PR calculation.
- Two nos. calibrated pyranometer as per CLASS A of latest edition of IEC 61724-1 to determine irradiance on horizontal plane (Source: SCADA, Temporal resolution: 1 minute)
NOTE: Not to be used of PR calculation.
- Two nos. thermocouples to measure module temperature with a measurement uncertainty of ± 1 °C as per latest edition of IEC 61724-1
- Shielded ventilated thermocouple with a measurement accuracy of ± 1 °C.
- An anemometer mounted on a pole mast at an appropriate height to measure wind speed (without additional shadowing on modules).
- Data measurement shall be witnessed in the format mutually agreed before the start of PR test by the employer and the contractor jointly for the said period.
- The Contractor shall show the specified PR for Operational Acceptance.

Part C: The procedure for Performance Guarantee Test (PGT) - cum- Final Acceptance Test- shall be as follows:

1. A weather station with a calibrated pyranometer shall be installed by the Contractor at the location mutually agreed by the Contractor and GGL. The test report for the calibration shall be submitted by the Contractor for approval by GGL. The calibration should be traceable to a national/international laboratory. The output of this pyranometer for shall be logged in the SCADA system.
2. In case the pyranometer is found to be working erratically then immediately the Contractor shall take necessary steps to rectify and/or recalibrate the instrument to the satisfaction of GGL. However, for the dispute period for which such error has occurred and until the instrument is recalibrated to the satisfaction of GGL, data from any one of the following list of sources as decided by GGL will be used:
 - i. A separate pyranometer installed by the Owner near the site, if available
 - ii. Average of two closest solar power projects, as identified by GGL
 - iii. Nearest MNRE weather station
3. “Actual Delivered Energy” from the plant supplied by the Contractor shall be noted for every month and summed up for entire year. For this purpose, the net delivered energy at the metering point at Plant end 66 kV Substation of metering point shall be taken into account.

4. The measured value of energy at step (3) shall be compared with NEEGG as per table E-5 of schedule of price.
5. Further, if the plant is not able to achieve the calculated *NEEGG* during PGT and O&M period and there is a shortfall in energy generation, then the Contractor shall be penalized as per relevant Clause of the Tender.
6. The Contractor shall share with GGL all the radiation, generation, etc. parameters details and all other factors necessary for GGL to corroborate the estimate. GGL has the right to cross verify data submitted by the Contractor by all possible means/sources.

Following factors may be noted for computing the NEEGG and PR Test:

1. **Generation loss due to grid outage (or power evacuation system after the metering point of the Receiving Substation which is not in the scope of the Contractor).** The Grid Outage hours data shall be verified from the Concern State Authority for the period of PGT and O&M.
2. The measured global Horizontal solar radiation. There shall no relaxation on account of weather parameters, GHI and other climate dependent parameters for the NEEGG computation during PG Test as well as O&M tenure.

Annexure – H**FORMAT OF POWER OF ATTORNEY AS AUTHORIZED SIGNATORY***(On a non-judicial stamp paper of appropriate value)*

Know all men by these presents, We ... (Name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorise Mr. / Ms (Name), son/daughter/wife of and presently residing at, who is presently employed with us and holding the position of, 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 SITC Of 12 MW (AC) Ground Mounted Grid Connected Solar Photovoltaic Power Plants With Land On Lease At Any Location in Gujarat With Comprehensive Maintenance Up To 10 Years, pursuant to the Tender document no. _____ issued by Gujrat Gas Limited ("GGL"), including but not limited to signing and submission of all applications, Bids and other documents and writings, participate in Bidders' and other conferences and providing information / responses to the Company, representing us in all matters before the Company, signing and execution of all contracts including the Contract Agreement and undertakings consequent to acceptance of our Bid, and generally dealing with the Company in all matters in connection with or relating to or arising out of our Bid for the said Project and/or upon award thereof to us and/or till the entering into of the Contract Agreement with GGL. AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by 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.....

(Signature, name, designation and address)

Witnesses:

1.

2.

Accepted Notarised

(Signature, name, designation and address of the Attorney)

Notes:



1. *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
2. *Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*
3. *For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Apostle certificate.*
4. *This format for Power of Attorney is for reference and in case a Bidder has a different format approved by their management then the same can submitted.*

Annexure – I
OPERATION AND MAINTENANCE (O & M)

Operation & Maintenance period shall be as mentioned in NIT. The start of O&M and first year operation shall be considered after successful completion of operational acceptance test or 60 days from date of commissioning of 12 MW (AC) whichever is earlier. Further all the guarantees related to NEEGG shall also be applicable.

Guideline for Operation and Maintenance (O&M):

O&M Contract shall cover complete Solar PV Power plant and power evacuation system up to inter connection point (66 kV GETCO end S/S) as specified elsewhere in the Contract. Contractor to achieve guaranteed Generation in respective O&M year.

Further, it is the responsibility of the Contractor to liaison with the following authorities:

- (a) Liaison with State/Central Government.
- (b) Liaison with State Power Utilities.
- (c) Liaison with State Renewable Agency.
- (d) Any other department / agency as may be required.
- (e) GGL shall provide required documents.

O&M OF PLANT

Comprehensive operation & maintenance of the Solar PV plant including supply of spare parts, consumables, repairs/replacement of any defective equipment etc. shall be performed by the Contractor for a period of 10 years (warranty period). The maintenance contract shall be renewable for another 10 years on the same terms & conditions but at the price as mutually agreed as per the conditions prevailing at the times.

During O&M period, employer personnel shall have unrestricted entry to the solar plant and Control Room any time. GGL may depute its personals to associate with O&M activities. The Contractor shall assist them in developing expertise through their day-to-day O&M activities and all records of maintenance must be maintained by the contractor which can be accessed by employer on demand. These recordings are to be handed over to employer after the O&M period of contract.

During O & M period, all the annual charges like fees, supervision charges, certification charges, scheduling and forecasting charges related to GETCO, SLDC, GEDA, DISCOM and QCA shall be in the Scope of GGL.

During the O&M period, the Contractor shall be responsible for any defect in the work due to faulty workmanship or due to use of sub-standard material in the work. Any defects in the work during the warrantee period shall there be rectified/replaced by the contractor without any extra cost to the employer within a reasonable time as may be considered from the date of receipt of such intimation from employer failing which employer shall take up rectification work at the risk and cost of contractor. The Contractor shall be responsible for supply of all spare parts, repairs / replacement of any defective equipment(s) including civil works at his own cost as required from time to time during the O&M period. During O & M period the Contractor shall be responsible for all the activities required for the successful running, optimum energy generation etc. This shall include but not necessarily be limited to following:

1. Deputation of adequate number of O&M, engineering and supporting personal, security etc.
2. O&M Contractor shall have to fill at least 65% of post in supervisory and managerial cadres and 80% of posts in other cadres by the local persons. The expression "Local person" shall mean a person domiciled in Gujarat state for minimum 15 years shall be considered as local person.
3. Operation part consists of deputing necessary manpower necessary to operate the Solar Photovoltaic Power Plant at the optimum capacity. Operation procedures such as preparation to start, routine operations with safety precautions, monitoring of Solar Power Plant etc. shall be carried out as per the manufacturer's instructions to have trouble free operation of the complete system.
4. Daily work of the operators in the Solar Photovoltaic Power Plant involves cleaning of Modules, logging the voltage, current, power factor, power and energy output of the solar Power Plant. The

operator shall also note down failures, interruption in supply and tripping of different relays, reason for such tripping, duration of such interruption etc.

5. The Contractor shall demonstrate guaranteed generation as quoted in respective O&M year. In case the contractor fails to achieve the guaranteed generation, then penalties shall be recovered as defined in this Tender.
6. Water cleaning of SPV modules. The Contractor shall wash the modules minimum Three times in a month and maintain this schedule in its records for the cleaning cycle.
7. Housekeeping of complete power plant.
8. Reporting the energy generation data to GGL.
9. Monitoring, controlling, troubleshooting, maintaining of records, registers etc.
10. Recording/logging of all the operational parameters (e.g. voltage, current, power factor, energy output, temperature etc.) and preparation of daily/weekly/monthly reports etc. including submission of periodical consolidate plant performance reports to the GGL.
11. Conducting periodical checking, testing, over hauling and preventive action of all equipment in systematic method including regular cleaning of PV modules of the solar PV plant as per OEM guidelines.
12. The contractor shall carry out the periodical/plant maintenance as given in the manufacturer's service manual and requirement.
13. Cleaning including cutting/removing of bushes/vegetation etc. of the complete plant on regular basis and as and when required.
14. Particular care shall be taken for outdoor equipment to prevent corrosion. Cleaning of the junction boxes, cable joints, insulators etc. shall also be carried out at every month interval.
15. Resistance of the earthing system as well as individual earthing is to be measured and recorded every month. If the earth resistance is more than 3 ohm, suitable action is to be taken to bring down the same.
16. According to the recommendations stock of special tools and tackles shall be maintained for Modules, PCU's and other major electrical equipment.
17. Breakdown / Corrective Maintenance: Whenever a fault has occurred, the contractor has to attend to rectify the fault & the fault must be rectified at the earliest time from the time of occurrence of fault.
18. A maintenance record is to be maintained by the contractor to record the regular maintenance work carried out as well as any breakdown maintenance along with the date of maintenance reasons for the break downs steps have taken to attend the breakdown duration of the breakdown etc.
19. The Schedules will be drawn such that some of the jobs other than breakdown, which may require comparatively long stoppage of the Power Plant, shall be carried out preferably during the non-sun period.
20. The Contractor shall ensure that all safety measures are taken at the site to avoid accidents to his employees or his co-contractor's employees as per prevailing safety rules.
21. In order to ensure longevity, safety of the core equipment and optimum performance of the system the contractor should use only genuine spares of high-quality standards.
22. Supply of all spares, consumables and fixing / installation of the same including proper storage of tool, tackles & spares.
23. The Contractor shall at his own expense provide all amenities to his workmen as per applicable laws and rules.
24. The Contractor shall immediately report the accidents, if any, to the Engineer In charge & to all the concerned authorities as per prevailing laws of the state.
25. The Contractor shall comply with the provision of all relevant Acts of Central or State Governments including payment of Wages Act 1936, Minimum Wages Act 1948, Employer's Liability Act 1938,



Workmen's Compensation Act 1923, Industrial Dispute Act 1947, Maturity Benefit Act 1961, Employees State Insurance Act 1948, Contract Labour (Regulations & Abolishment) Act 1970 or any modification thereof or any other law relating whereto and rules made there under from time to time.

26. Coordinating, on behalf of GGL, and obtaining renewal of statutory licenses, clearances and approvals from state departments such as State Electricity Supply & Transmission Boards/CEIG/GEDA etc.
27. Contractor shall keep updating the spares inventory at the site every time there is consumption of spare items towards replacement.
28. Coordinating with sub-station upon grid failures, line problems etc. and implementing the needful steps to restore the plant to normal operation
29. Theft incidents: immediate reporting to GGL, filing FIRs with police stations on behalf of GGL, coordination for site inspection by insurance companies and clearance of insurance claims, logging of events (date, time) and maintaining records
30. Proper housekeeping shall be maintained during O&M period by the Contractor.
31. Required security personnel shall be deployed for Plant security, round the clock.
- 32. Annual O&M Charges including water charges and all other charges / cost are in the scope of Bidder / EPC Contractor.**

All the civil defects, rectification, repairing, replacement related to civil works shall be in the scope of contractor during the O&M period. The Contractor shall be responsible for rectification of any defect in the civil work and maintain the structure/buildings in good condition with proper maintenance. The Contractor shall be responsible for the maintenance of each civil works carried out as mentioned below.

1. Buildings Control room premises, Underground water tank includes:
 - I. Water tightness of roof and walls.
 - II. Painting to the structure either PEB/ RCC Framed structure at regular interval (not more than five years).
 - III. Plumbing & Sanitation related defects/replacement.
 - IV. Chalking / overflow of septic tank and soak pit.
 - V. Replacement / repairing of water tank if major/minor leakage observed.
 - VI. Leakage of water to be attended by suitable crack filler.
 - VII. Repairing/replacement of doors, windows, ventilators & rolling shutter.
2. Road Bitumen:
 - I. Crack repairing of the road surface.
 - II. Pot-holes over the top road surface to be rectify.
 - III. Maintenance of shoulders for the rain cuts or damage due to some external reasons.
 - IV. Re-carpeting of the road surface at every five years interval.
3. Storm water Drainage:
 - I. Before and after the monsoon season the storm water drainage shall be maintained & cleaned for smoother flow of storm water.
4. Main Entry gate & Fencing:
 - I. Maintain the elegance of entry gate with painting as & when required.
 - II. Repairing & painting of fencing as & when required.

The above list is not exhaustive but indicative only. Although most of the structures are covered here in, any other system (Civil, Structural and Architectural) required for successful operation and maintenance Up to 10 Years of the works shall form a part of this contract and shall be deemed to be included in the



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scope of works. The scope of Bidder/EPC Contractor is including supply of all required materials, mobilization of labour, and arrangement of required tools tackles and equipment to carry out all above civil maintenance works.

HANDING OVER THE FACILITIES

After expiry of O&M period, the Contractor shall hand over the Facilities to Employer in good operating condition along with requisite tools & tackles and spares etc. The Contractor shall demonstrate functional operations of all the major & critical Plant & Equipment. The spare if consumed during O&M period then same shall be replenished at the time of handing over of facilities.

Annexure – J

SAMPLE LAND LEASE AGREEMENT

(It will be provided to successful bidder along with LOI/Work Order)