

ASSAM POWER GENERATION CORPORATION LIMITED



TENDER DOCUMENT FOR PROJECT CONSULTANCY SERVICES FOR 2 MW_p NAMRUP SOLAR PV POWER PROJECT

OFFICE OF THE CHIEF GENERAL MANAGER (GENERATION)

Regd. Office: Bijulee Bhawan, 3rd floor, Paltanbazar, Guwahati-781 001, Assam

CIN: U40101AS2003SGC007239 Tele-Fax: 0361-2739546;

E-mail: cgm-g@apgcl.com, Website: www.apgcl.org

**Tender No: APGCL/CGM (G)/ SPV Projects/ 2016/
Namrup/01 dtd:06.10.2016**

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SECTION – I
INVITATION TO BID

SECTION -I

INVITATION TO BID

NIT REF. APGCL/CGM (G)/ SPV Projects/ 2016/ Namrup/01 dtd: 06.10.2016

Assam Power Generation Corporation Limited (APGCL) intends to set up of a 2MWp Solar Photovoltaic Power project at Namrup Thermal Power Station, Dibrugarh District in the State of Assam. APGCL invites sealed bids from reputed firms, having requisite qualification & experience, to carry out preparation of Bid document, tender evaluation and project Management Construction & Supervision for the proposed project.

Cost of Tender document: Rs.1000/-(Rupees one thousand only) (Non refundable)

Earnest Money Deposit (EMD): Rs.25,000/- (Rupees twenty five thousand only).

The cost of tender paper and EMD shall be submitted in the form of Demand draft from a Nationalized/ Scheduled bank to be pledged in favour of Dy. General Manager (F&A), Assam Power Generation Corporation Limited payable at Guwahati.

APGCL reserved the right to accept or reject any tender in part or in full or cancel/ withdraw the notice inviting tender without assigning any reasons there of whatsoever and is not bound to accept the lowest tender and in such case, no tenderer/ intending tenderer shall have any claim arising out of such action.

Tender sale period:	From 07.10.2016 to 20.10.2016
Pre bid discussion:	On 21.10.2016 at 11:30 IST at APGCL head Office.
Last date and time for receipt of bid:	Upto 25.10.2016 at 13:00 Hrs IST.
Date and time of Technical bid opening:	On 25.10.2016 at 14:00 Hrs IST.
Date of opening of price bids:	To be intimated later

The details of the tender is available on APGCL website: www.apgcl.org

Address:

Chief General Manager (Generation)

Bijulee Bhawan, 3rd floor,

Paltanbazar,

Guwahati-781 001, Assam

Tele-Fax: 0361-2739546; E-mail: cgm-g@apgcl.com

Chief General Manager (Generation),
APGCL

1.2 SCOPE OF CONTRACT:

The total consultancy services contract shall be executed in two phases, viz. Phase-I and Phase-II.

Phase-I scope of work covered under 'Consultancy Services' is briefly outlined below.

- Basic Design & Engineering (preparation of tender specification)
- Vendor selection (upto award of LOA).

Phase-II scope of work covered under 'Consultancy Services' is briefly outlined below.

- Review & approval of vendor drawings/documents
- Field Services at site (Assistance in construction supervision, startup, testing & commissioning and final takeover of plant)
- Project Management Services

The detailed scope of work is covered in SECTION-III.

The bidder shall submit his offer covering the entire scope mentioned in the tender documents. Offer submitted with part scope will be liable for rejection.

The consultancy services are divided into two parts phase I and Phase II. APGCL may issue a single order or two separate orders for the respective parts and reserves the right to withhold work order for any or both the parts at any time before or after finalization of bids without showing any reasons thereof.

1.3 PERIOD OF CONSULTANCY CONTRACT:

The Period of Consultancy services Contract is 12 months (tentative) for executing both of Phase I & Phase II services.

1. The time schedule for Phase-I scope of Consultancy services (upto Award of LOA of the project) from the date of LOA to Consultant will be as follows:
 - a. 1 months for submission of final draft tender specifications (tentative).
 - b. 3 months for vendor selection(issue of LOA to EPC contractor) (tentative).
2. The time schedule for completion of Phase-II scope of consultancy services from the date of LOA of the project is 08 months (tentative).

1.4 QUALIFYING REQUIREMENTS:

- 1.4.1 The bidder should have executed Engineering consultancy services (scope including preparation of EPC bid specification, tendering assistance, Review & approval of vendor drawings/documents in detail, providing project construction management & supervision of erection & commissioning of solar power plant) for **at least one number of solar power project not less than 1MW in India** and which should have been commissioned as on the original scheduled date of bid opening.

1.5 DOCUMENTARY EVIDENCE REQUIRED IN SUPPORT OF QUALIFYING REQUIREMENTS

1.5.1 The bidder should enclose with his bid necessary documentary evidences (as specified at annexure-I) for having met the relevant qualifying requirements mentioned in clauses 1.4.1 above as applicable.

1.6 OTHER CONDITIONS

1.6.1 The successful bidder on award of LOA shall furnish a contract performance guarantee in the form of an On Demand Bank Guarantee valid till the completion of all the obligations under the contract as follows.

1.6.1.1 The bidder meeting the qualifying requirement in clause 1.4.1 shall furnish a contract performance guarantee for 10% of the total contract value.

1.6.2 The scope of work of the consultant shall be on the basis of single bidder responsibility. The contract will be entered into only with the successful bidder. Thus the bidder shall be solely responsible and liable for all the Technical, Management and all other services required, to complete the entire scope of work detailed in the tender specification.

1.6.3 The requirement of documentary evidence called for in Qualifying Requirements is indicated at Annexure-I. The bidder shall comply with these requirements.

1.6.4 The bidder shall furnish the following details also along with offer.

1.6.4.1 Contracts in hand and their status along with value.

1.6.4.2 Major legal cases and their statutory liabilities.

1.6.4.3 Recent orders for consultancy services for solar power project not less than 1 MW with contract value.

1.6.5 The bidder cannot be an associate of other bidders who are bidding for this consultancy services tender.

1.6.6 The bidder who has been engaged to provide goods or works for the project and any of its affiliates will be disqualified from providing consultancy services for the same project. Conversely the bidder engaged to provide consultancy services for the project and any of its affiliates will be disqualified subsequently from participating in any of the tenders for providing goods or works or services related to the same project. As a standard practice, the bidder who becomes Consultant for this project cannot become a contractor for any work of this project.

1.6.7 The bidder should not sub-contract the work back to back.

- 1.6.8 Notwithstanding anything stated above, the Purchaser reserves the right to verify all statements / information submitted by the bidder to confirm the bidder's claim on experiences and to assess the bidder's capability and capacity to perform the contract should the circumstances warrant such an assessment in the overall interest of the project.
- 1.6.9 In case certificate(s) submitted by the bidder is found to be a forged one / bogus one, the bidder will not only be disqualified for the tender but also would be blacklisted / debarred by the Purchaser and the matter would be informed to other PSUs / Statutory Bodies and in addition, forfeiture of EMD may also be considered.
- 1.6.10 Purchaser reserves the right to accept or reject any or all offers or cancel / withdraw the invitation for consultancy services without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.
- 1.7** Tender documents, not transferable, will be available at the Corporate Office of The Chief General Manager (Gen), APGCL, Bijulee Bhawan, 3rd floor, Paltan Bazar, Guwahati-781001, Assam on payment of **INR 1000/- in the form of a/c payee Demand Draft/ Banker's cheque duly pledged which is not refundable, drawn in favour of the Dy. General Manager (F&A), APGCL, payable at Guwahati-781001**. The forwarding letter should bear the tender No. and should be addressed to:
- The Chief General Manager (Gen),
APGCL, 3rd floor, Bijulee Bhawan,
Paltan Bazar, Guwahati-781001
- 1.7.1 The Notice Inviting Tender (NIT) and the tender document has been posted in APGCL web-site. Please log on to our web site www.apgcl.org for detailed NIT and Qualifying Requirements and Tender document.
- 1.7.2 The Tender document may also be downloaded from APGCL website www.apgcl.org in which case, the cost of Tender Document and the EMD shall be enclosed with the bid in Envelope- I, failing which, the offer is liable for rejection.
- 1.8 Earnest Money Deposit (EMD) as well as technical & commercial aspects**
- 1.8.1 Earnest Money Deposit (EMD) shall be submitted along with the bid in a separate sealed cover indicating the tender number and the name of the bidder distinctly on top.
- 1.8.2 No interest shall be paid on Earnest Money Deposit (EMD amount. The bid without EMD or with short EMD or EMD in the form other than specified herein above shall be liable for rejection.

1.8.3 The EMD shall be forfeited if:

- The bidder withdraws / modifies / changes / impairs / derogates the bid proposals on his own after the bids are opened and during its validity period.
- The prices are altered unilaterally by the bidder after the bid opening and during validity of offer.
- The Owner accepts the bidder's bid proposal and the bidder refuses to accept the LOA / refuses to enter into Contract after the LOA is awarded to him.
- The successful bidder fails to submit Contract Performance Guarantee.
- The bidder submits forged / bogus certificates.

1.8.4 The EMD of successful bidder will be returned after acceptance of LOA by the bidder and acceptance of Contract Performance Guarantee by APGCL. The EMD of unsuccessful bidder(s) will be returned after the price cover opening and Price evaluation.

1.8.5 Unless otherwise expressly stated, the bid and other documents shall be submitted only by the bidder on whose name the tender document has been purchased.

1.9 BID SUBMISSION AND OPENING

1.9.1 Procedure for Submission of Bids

The Bid shall be submitted in three separate sealed envelopes enclosed in one sealed cover. Sealed cover and envelopes should be inscribed with

1. The NIT no.
 2. Content of the envelop.
 3. Address of the purchaser.
 4. Date and time of opening of tender.
 5. Address of the bidder.
- Envelop-I shall contain the Bid Guarantee (earnest money deposit)
 - Envelop-II Shall contain technical bid in triplicate with the original marked as "Original".
 - Envelop-III Shall contain the price bid in triplicate with the original marked as "Original".
 - The above three envelopes shall be sealed and inscribed with NIT number and address of purchaser and bidder must be enclosed together in a sealed cover inscribed with the above and delivered by hand or sent by "Registered Post with Acknowledgment Due"/ "Reputed Courier Service" to the purchaser to reach him on or before 25.10.2016 at 13:00 Hrs.
 - All pages of the Bid and other accompanying documents shall be signed with seal at the lower right hand corner with date by the Bidder or any person authorized by the bidder.

- No overwriting shall be allowed. Any writing requiring correction shall be struck out and signed. No correcting ink shall be used.
- Any Bid which is incomplete, ambiguous, or not in compliance with the Bid Document is liable to be rejected.
- Envelop -I containing Earnest Money Deposit (EMD) will be opened first, on the date, time and place as specified in the Notice Inviting Tender (NIT) in presence of Bidders or their representatives.
- If the amount and mode of EMD submitted satisfy the requirements of Purchaser then the Envelop-II will be opened.
- Envelop-III containing price offer of the technically accepted Bidders will be opened at a later date with prior intimation only to those Bidders whose Tenders are being considered.
- Price shall be quoted showing taxes and duties if any.

All bids shall be prepared in ENGLISH language only by typing or printing with indelible ink. One original and three identical copies of the proposal complete in all respects shall be submitted by the Bidder clearly indicating the original and the number of the copy. Bids must be received / deposited / delivered by not later than 13:00 Hrs. IST on the date fixed for the tender opening. Bids deposited / delivered after the time & date fixed for the receipt of the bids shall be rejected.

The following APGCL officials may be contacted for any communication

J. Sarma, Deputy General Manager (Design), APGCL- Mobile Ph No. +91-9435332156

A. Talukdar, Asstt. General Manager (Design), APGCL- Mobile Ph No. +91-9435139416

Bids received in incomplete shape shall be summarily rejected. No extension of time shall be permitted for the Bid submission and opening date. The bidder's name stated in the bid shall be the exact legal name of the bidder. Satisfactory evidences of authority of a person signing on behalf of the bidder shall be furnished with the bid. Erasures or corrections or overwriting in the bid documents, if any, shall be initialed by the person signing the bid. Printed literature, if enclosed, need not be signed.

1.9.2 APGCL takes no responsibility for delay, loss or non-receipt of any letters / documents sent by post either way and APGCL reserves the right to reject any bid in part or in full without assigning any reason thereof.

1.9.3 The Bids submitted by tele-fax / E-mail will not be accepted.

- 1.9.4 Reference list, self-certificate or other unauthenticated documents and documents in plain white sheets will not be considered as valid QR documentary evidence. The Purchaser reserves his right to call for the original of the certificates, documents, furnished by the bidder for verification.
- 1.9.5 Validity of Bid:
Bid shall be kept valid for a period of 180 days from the date of bid opening.
- 1.9.6 The date of opening of Envelope 3 of the bid (price cover) will be intimated later to the bidders who have been techno-commercially qualified.
- 1.9.7 Bidders may depute their representatives (maximum two) with authorization letter to attend the technical bid opening and price bid opening.

1.10 EVALUATION AND COMPARISON OF BIDS:

- 1.10.1 The bidder has to satisfy himself that full information is furnished as required in the specification. Lack of particulars or incomplete information furnished will run the risk of rejection of the bid.
- 1.10.2 All the bidders would be brought on par with reference to commercial and technical specification, Notice Inviting Bid and subsequent techno-commercial discussions / clarifications.
- 1.10.3 The bids received and accepted will be evaluated by the Purchaser to ascertain the most suitable evaluated bid in the interest of Purchaser, for the complete works covered under the specifications and documents.
- 1.10.4 The bids will be evaluated by taking into account the Total value of both the Phases (i.e. Phase-I and Phase-II) only.
- 1.10.5 Scope of consultancy contract works of Phase-I can be short-closed at any stage, Payments will be made only to the completed job as per the payment schedule.
- 1.10.6 If there is any discrepancy between the figures & words, the value quoted in words shall prevail.
- 1.10.7 The bidder shall quote for all services against all the Sl. Nos. and Columns in the "Schedule of Prices. If no prices are envisaged for any of the item, "Nil" shall be mentioned. In this context, 'Nil' mentioned against any item shall construe that bidder shall not charge any amount separately for that item from the Purchaser and agrees to execute the works as per specification.

1.10.8 If the term, such as, '-', is mentioned or left blank against any Sl. Nos. / Columns, then the highest amount quoted for the concerned item among all bidders will be loaded for the purpose of evaluating the price bids. However this loading concept shall not be applicable for taxes & duties if the bidder indicates terms like "-" or left blank against the taxes & duties and in such cases, the taxes & duties if any applicable shall be borne by the bidder.

1.11 SIGNING OF CONTRACT

1.11.1 The enclosed Tender specification shall form the basis of the final contract to be entered into with the successful bidder. The bidder shall carefully go through the terms and conditions given in the Tender Specification and his offer should be in line with the terms and conditions specified herein.

1.11.2 On the bid being accepted by the Purchaser, contract will be signed and executed by and between the Purchaser and successful bidder at the earliest not later than one month (30 days) from the Letter of Award.

1.11.3 The Purchaser shall prepare 2 originals of contract as described for signing the contract.

Within 30 days after signing the contract, the Consultant shall make and submit 5 (five) true copies of the contract documents to the Purchaser free of charge. One original will be returned to the Consultant for his record and other original will be retained by the Purchaser.

1.12 Notwithstanding any information and data, which may be contained in these tender documents, the bidder has to make independent inquiries and generally obtain his own information on all matters that may in any way affect prices, risks and obligations of the CONSULTANT under the Contract.

1.13 DEVIATION

Normally no deviation is permitted to Commercial terms & conditions and Technical specification. Nevertheless, if any of the bidders, takes any deviation to the conditions prescribed in the Notice Inviting Tender (NIT), it shall be clearly indicated in separate deviation schedule. The Purchaser shall consider such deviations and render / communicate their decisions if the deviation(s) taken by the bidder is not acceptable to them. In spite of such decision by the Purchaser on the deviation taken by the bidder, if the bidder declines

to accept the same, the Purchaser shall be at liberty to reject such bid, as being not in conformity with the conditions of NIT, and the decision of the Purchaser in this regard is final and binding on the bidder. Deviation listed elsewhere in the Bid shall be summarily rejected and ignored.

- 1.14** Unilateral revision or withdrawal of offer by the bidder within the subsistence of the validity period of offer shall not be permitted. Violation of this condition shall result in rejection of the bid without notice.

**CHIEF GENERAL MANAGER (Gen)
APGCL**

SECTION-II

COMMERCIAL TERMS AND CONDITIONS

SECTION-II
COMMERCIAL TERMS AND CONDITIONS

2.0 PREAMBLE:

ASSAM POWER GENERATION CORPORATION LTD having its corporate office at Bijulee Bhawan, 3rd floor, Paltanbazar, Guwahati - 781 001, Assam, has been formed in the year 2004 after restructuring of Assam State Electricity Board, to carry out the generation activities of electricity in the state of Assam.

APGCL intend to set up 2 MWp Solar PV based Power Project at Namrup Thermal Power Project (NTPS). The project site is located inside the premises of existing NTPS.

2.1 The total consultancy contract shall be executed in two phases, namely Phase-I and Phase-II.

Phase-I scope of work cover the following.

1. Basic Design & Engineering (for preparation of tender specification) and
2. Vendor selection (upto the award of LOA)

Phase-II scope of work "Project construction Management & Supervision" covers the following.

1. Review& approval of vendor drawings/documents
2. Field Service at site (Assistance in construction supervision, start-up / Commissioning and testing).
3. Project Management Services.

2.2 The scope of work under each head mentioned above is described in detail in Section-III of this bid document. The details given in section-III are, however, only indicative and not exhaustive. The bidder may also include and mention clearly any additional items, which in their opinion, would be necessary to make the individual activity complete and purposeful in their bid. Any services not explicitly mentioned in the scope but required to complete the project in full must be carried out by the consultant without any extra cost to the Purchaser.

2.3 The bidder shall quote separately their rates for each item of service mentioned in Clause 2.1 above, in Indian Rupees for their services offered, broken down into sub elements as indicated in " Price Schedule " attached to this section-II as **ANNEXURE-III**

2.4 Payment to the bidder will be made according to the terms and conditions mentioned in various clauses and tables enumerated.

2.5 The compensation payable to the bidder will be subject to the provisions of Income Tax Act in India and any other statutory obligations which may arise from time to time. APGCL shall not be responsible for any Income Tax liability of the Bidder or personnel deputed by the bidder. APGCL will furnish necessary TDS certificate as per I.T Act.

2.6 FACILITIES TO BE PROVIDED BY APGCL.

APGCL will provide guest house accommodation at project site for the Consultant's visiting personnel, subject to the availability of such accommodation. Boarding and lodging for such accommodation is to be paid by the consulting engineers on the basis of standard rate as applicable for APGCL's own personnel of equivalent grade on duty.

Unfurnished residential accommodation will be provided to Consultant's Engineers by APGCL for personnel assigned to site on standard charges as applicable for APGCL's own personnel of equivalent grade, subject to availability of such accommodation.

APGCL will provide office accommodation to the consulting engineer for the site personnel including all usual facilities like electricity, drinking water and sanitary connections. APGCL will assist for P&T connection, Intercom facilities will be provided if available.

Medical facilities as available at site will be extended to the consulting engineers.

2.7 Earnest Money Deposit (EMD)

Lump sum Rs 25000/- (Rupees twenty five thousand only), refundable, payable by bank draft drawn in favour of the Deputy General Manager,(F&A),O/O the Managing Director, APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01. Bid guarantee of the unsuccessful bidder shall be returned after finalizing the bid and with a written request from bidders to Deputy General Manager,(F&A),O/O the Managing Director, APGCL, Bijulee Bhawan,

2.8 ESCALATION AND PRICE VARIATION

The price quoted shall be firm .The consulting engineer shall clearly specify the price escalation and variation for project management services, if their service has to be extended beyond the period agreed between the EPC contractor and the Purchaser.

2.9 FORCE MAJEURE

Neither APGCL nor the consulting engineer shall be considered in default in performance of the obligations under the contract if such performance is prevented or delayed by event, such as but not limited to, war, hostilities, revolutions, riots, civil commotion, strikes, lock outs, conflagrations, epidemic, accident, fire, wind, flood, drought, earthquake or because of any law and order, proclamation, regulation or ordinance of Government or of any act of God or for any other cause beyond the reasonable control of the party affected, provided notice in writing of any such cause with necessary evidence that the obligation under the contract in there by affected or prevented or delayed is given within the shortest possible period without delay.

2.10 PERFORMANCE GUARANTEE

The consulting Engineer shall carry out the services in conformity with generally accepted norms and sound standards of engineering. The consulting Engineer shall be responsible for the technical soundness of the service rendered. In the event of any deficiency in those services, the consulting engineer shall promptly redo such design and engineering at no additional cost to APGCL as to enable APGCL, if necessary to carry out such rectification and/or modification as may be required.

A performance Bank guarantee equivalent to 10% of the total work value shall have to be submitted by the consultant immediately on issue of LOA. Performa performance guarantee is at **Annexure-IV**. The validity period of bank guarantee shall be intimated in LOA based on the scope of work.

2.11 ADDITIONAL SERVICE:

Scope of this tender document generally covers all works required for successful commissioning of the project. Any item of work not specifically mentioned but essential for successful commissioning of the project will not be considered additional.

2.12 CONTRACT AGREEMENT

A contract agreement shall have to be made for the consultancy services.

2.13 PAYMENT TERMS:

The consultancy services are divided into two parts phase I and Phase II. APGCL may issue a single order or two separate orders for the respective parts and reserves the

right to withhold work order for any or both the parts at any time before or after finalization of bids without showing any reasons thereof.

Payment schedule is described in Table 2.1 Whatever rate is quoted by the bidder APGCL shall pay as per schedule of payment as in table 2.1.

2.14 PAYMENT

2.14.1 All payments shall be made after signing of Contract. All payments quoted by the Bidder will be made in the same proportion indicated in the specification and finalized with the bidder.

2.15 TERMS OF PAYMENT

2.15.1 PAYMENT FOR PHASE-I & II SCOPE OF WORK:

Table 2.1		
Payment schedule		
	Items of Services	
Phase I	2.Preparation of EPC Tender specification and on acceptance by APGCL	40% of Price bid form-1: 7 A of price bid on submission of Draft and acceptance by APGCL
	3. Evaluation of EPC bids.	30% of Price bid form-1: 7 A in price bid on submission of evaluation report
	3.Drafting of LOA and of Contract document for EPC contract	30% of Price bid form-1: 7 A in price bid on submission of draft LOI and contract agreement.
Phase II	Project construction Management & Supervision	
	1. Project engineering service & Project monitoring services	100 % of Price bid form-1: 7 B1 divided by no of months for this service.
	2. Supervision of Construction and Commissioning Services	Reimbursement of Monthly compensation of consultant's personnel

2.16 Any other terms not covered by above clause shall be governed by “General Conditions of Supply & Erection “of APGCL which is available at APGCL website.

ANNEXURE – I

Documents to be submitted by the bidder as per Qualifying Requirements

ANNEXURE – I

Documents to be submitted by the bidder as per Qualifying Requirements

- A) Forms as per Technical bid forms of Annexure II
- B) The Documentary evidence to be submitted by the Bidder shall be as follows:
1. End user certificate indicating the commissioning date of the unit for which the bidder / Associate has offered the consultancy services
 2. End user certificate indicating the performance of the units for which the Bidder has offered the consultancy services
- C) The certificate furnished by the Bidder shall contain the following details.
1. The certificate should be in the letter-head of the issuing firm and should be dated.
 2. Name and designation of the signing person should be clearly discernable.
 3. Role of the bidder indicating details of scope of work such as preparation of specification, detailed engineering, tendering assistance, supervision of construction, testing & commissioning of solar project
 4. Date of commissioning.
 5. Bidders are requested to furnish contact address of the User, Fax No., Phone No., E-mail ID, Contact Person etc., for clarifying any of the details.
- D) The bidder shall furnish the contract / LOA copy if requested by the Purchaser.

ANNEXURE -II

FORM OF BID

ANNEXURE - II

FORM OF BID

(To be submitted by the Bidder in Part-I of his Bid)

APGCL's Tender No:

Bid No.:

Dated:

To

Chief General Manager (Gen)

Assam power Generation Corporation Ltd

3rd floor, Bijulee Bhawan,

Paltan Bazar, Guwahati-781001

Subject: (Name of Package) for(Name of the project / tender)

Invitation to Bid No.....

1. Having carefully examined all the Tender Documents attached to your Invitation to Bid No..... dated, and its Amendments/ Corrigendum / clarifications issued till the date of tender opening, we agree to Complete the WORKS in conformity with all the terms and conditions stated in Tender Documents and its Amendments / Corrigendum / Clarifications issued till the date of tender opening and as per time schedule given in Tender Document. The Plant, Equipment and System offered are of best and of latest technology and of international standards.
2. I / We declare and certify that I / We fully satisfy the Qualifying Requirements and the documentary proof as called for, have been annexed.
3. We undertake, in case our bid is accepted, to commence the work from the date of Letter of Award and to complete and deliver the whole of the work and responsibilities comprised in the contract within (both in figures and words) months calculated from the date of Letter of Award and as per time schedule given in Tender Document.
4. We are submitting the Bid Guarantee for a sum of Rs. in the form as instructed by you. This Bid Guarantee shall be governed as per the stipulations provided in the "Instructions to Bidders".
5. We agree to abide by and keep our Bid valid initially for a period of 180 (one Hundred and eighty) days from the date of opening of Bid (part I) by Assam power Generation corporation Ltd. (APGCL) and it shall remain binding on us and may be accepted at any time before the expiry of that period.

6. Should our Bid be accepted, we hereby agree to abide by and fulfill all Terms and Conditions of Tender Document as accepted by us and in default thereof, to forfeit and pay to APGCL or APGCL's successors, assignees or authorized nominees such sums of money as are stipulated in conditions contained in Tender Documents and agree to furnish Bank Guarantee for Contract Performance as per the proforma prescribed by APGCL and acceptable to APGCL and for the sum equal to 10% of "Contract Price" for the entire scope of work within 30 days from the date of Letter of Award. We understand that APGCL is not bound to accept the lowest or any Bids received and APGCL has the right to reject any bid, without assigning any reason whatsoever.
7. This Bid together with written acceptance thereof, shall constitute a binding CONTRACT between APGCL and ourselves till a formal contract is executed.
8. Signed this day of

Witness - 1 :

Signature

Signature

Occupatio

n Date

Address

Designation

Witness - 2 :

Signature

Occupation

Date

Address

(NAME IN BLOCK LETTERS) (with
the Company seal)

Technical bid form -1		
	Name of tender	Project Consultancy Services including preparation of Tender Specification for EPC contract, Bid evaluation, Project Management Construction & Supervision for 2 MWp Namrup solar PV power Project.
	Name of Bidder	
	Address of bidder for communication with email ID	
	Name and address of person who is authorized to sign bid document and commit on behalf of the bidder with email ID & Mobile Phone no.	
	Details of payment for purchasing tender document	
Signature and seal of bidder.		

Technical bid form-2

Experience of Bidder for preparation of Procurement of power plant

a	b	c	d	e	f	G
Sl no	Name of project with capacity and type.	Name of project owner	Location details of project	Date of issue LOI / Work order for Procurement of power plant	Date of Submission of Procurement of power plant	Date / Expected date of commissioning of the project
1						
2						
3						
Documents required in support of entries in this table		1. Certificate from project owner or copy of work order. 2. Down loaded document from CEA's website for column g				
Signature of bidder						

Technical bid form-3						
Experience of Bidder for consultancy services for project management.						
a	b	c	d	e	f	G
Sl no	Name of project with capacity and type.	Name of project owner	Location details of project	Date of issue LOI / Work order for fro preparation of tender specification	Date of Submission of Bid evaluation	Date /Expected date of commissioning of the project
1						
2						
3						
Documents required in support of entries in this table		1.Certificate from project owner and copy of work order. 2.Down loaded document from CEA's website for column g				
Signature of bidder						

Technical Form-4				
Credential of consultant's Personnel.				
Sl no	Qualification	Name of Person	Qualification	Date of joining Consultants Firms.
1	Civil Engineering			
2	Mechanical Engineering			
3	Electrical engineering			
4	Instrumentation engineering			
	Documents required in support of Experience	C.V supported by certificates as mentioned columns in the right.	Certificate of university	Bidder's certificate
Signature of bidder				

Technical bid form-5 (Job completion Schedule)					
	Months from date of issue of LOI	1	2	3	4
1	Preparation of NITs and EPC Tender specification.				
2	Evaluation of EPC bids.				
3	Draft LOA to EPC contractor and Drafting of Contract document.				

ANNEXURE -III

FORM OF BID

(To be submitted by the Bidder along with Part-II [Price Bid])

APGCL's Tender No.

Dated :

From

To

Chief General Manager (Gen)

Assam power Generation Corporation Ltd

3rd floor, Bijulee Bhawan,

Paltan Bazar, Guwahati-781001

1. I / We, the undersigned have carefully examined and understood the Bidding documents including the Amendments / Errata / Corrigendum / Clarifications issued till the date of tender opening. I / We hereby agree to carry out the entire works as described in the specifications in conformity with the specifications and Bidding documents, as per the prices quoted by us in the Schedule of Prices.
2. In the event of our proposal being accepted, we agree to furnish a Bank Guarantee for Contract Performance as per the proforma prescribed by Assam power Generation corporation Ltd and acceptable to the Assam power Generation corporation Ltd and for the sum equal to 10% of "Total Contract Price". The Bid Guarantee shall be released only after the Contract Performance Guarantee issued in favour of Assam power Generation corporation Ltd is received and accepted by the Assam power Generation corporation Ltd..

Signed this day of20.....

Witness - 1 :

Signature

Signature

Name in Block Letters

Occupation

Address

Name in Block Letters

Witness - 2 :

Designation

Signature

Name in Block Letters

Occupation

Address

(Company seal)

Price Bid

Price bid form-1			
	Name of tender	Project Consultancy Services including preparation of Tender Specification for EPC contract, Bid evaluation, Project Management Construction & Supervision for 2 MWp Namrup solar PV power Project.	
1	NIT reference		
2	Name of bidder		
3	Address of bidder for communication with email ID & Mobile Phone no.		
4	Name and address of person who is authorized to sign bid document and commit on behalf of the bidder with email ID& Mobile Phone no.		
5	Details of payment for tender document		
6	Details of EMD		
7	A	Consultancy fee for procurement. as per section 3.1 (In figures and words)	Lump sum in Rs
		<ul style="list-style-type: none"> • Preparation of NITs and Preparation of EPC Tender specification • Evaluation of EPC bids. • Issue of LOA and Drafting of Contract document. 	Taxes if any Rs:
			Total Rs
	B	Consultancy fee for Project Construction Management as per section 3.4 (In figures and words)	Lump sum in Rs
		1. Project engineering service & project monitoring service as (Price bid form-2)	Taxes if any Rs:
			Total Rs
		2. Inspection service (Price bid form-3)	
	3. Project construction supervision and commissioning services. (Price bid-4)		
8	C	Total (A+B) In figures and words.	
Signature and seal of bidder:			

Price bid form-2 :Project engineering service & Project Monitoring service as described in section 3.4.1 & section 3.4.4	
	Amount in Rs
Project engineering service as described in section 3.4.1& section 3.4.4	
Taxes if any	
Total Amount in Rs.(figures & words)	
Signature & seal of bidder	

Price bid form-3: Services for Inspection and attending progress meetings as described in sections 3.4.2. and 3.4.4.6 Reimbursement of charges.

a	b	c	d	e
	Items of expenses	At actual	Percentage to be billed by consultant over actual	Rs. c+ d*c
1.	Reimbursement of Travel charges	Keep blank% Class of travel.....	Keep blank.
2.	upper limit of Hotel Charges per man per day	Rs.....%	Rs. c+ d*c
3.	Reimbursement of man day charges	Rs.....%	Rs. c+ d*c
4.	Upper limit of reimbursement of out of pocket expenses per man per day.	Rs.....%	Rs. c+ d*c
Total (2+3+4) Amount in Rs.(figures & words)				
Note: 1. Reimbursement of travel charges shall be loaded by APGCL.				
Signature & seal of bidder				

Price bid form-4: Construction Supervision and Commissioning Services as described in section 3.4.3

Sl no	a	b	c	d
	Designation of consultation's Engineers and staff to be deployed at project site	Number	Nos of Man Days	Rate per man days (INR)
1		1		
2		1		
Total Amount in Rs.(figures & words)		2		
Signature & seal of bidder				

ANNEXURE IV

PROFORMA BANK GUARANTEE FOR CONTRACT PERFORMANCE

ANNEXURE-A

PROFORMA BANK GUARANTEE AGAINST CONTRACT PERFORMANCE

Whereas the Assam Power Generation Corporation Ltd. (herein after called APGCL) has issued work order no..... dt to M/s.....(herein after called the Firm) for Project Consultancy Services including preparation of Tender Specification for EPC contract, Bid evaluation, Project Management Construction & Supervision for 2 MWp Namrup solar PV power Project. Whereas of M/s has accepted the work order along with the terms and condition contained therein.

Whereas by virtue of the **clause no. 2.10** of the tender specification the firm was required to furnish a Bank Guarantee from a nationalized Bank for a sum of Rs..... i.e.10% of the total work value as security for the satisfactory performance of the work done.

Whereas the Firm has requested APGCL to accept the guarantee of (-----) (Name of the Nationalized Bank with address) and the APGCL has agreed to accept the same.

In consideration of acceptance of work order by M/s issued by APGCL, we the ----- (Name of the Nationalized Bank with address) undertake to indemnify and keep indemnify APGCL against any damage, injury or loss to it by breach or violation of the contract work order and shall pay APGCL all sums demanded by it towards such injury, loss or damage or penalties as and when demanded by APGCL, provided that the total liability under the guarantee shall not exceed Rs. only.

Provided further that this guarantee shall remain in force for a periodmonth from the date of drawing out this guarantee.

Provided further that this guarantee shall not continue in force beyond for a period month from the date of drawing out this guarantee unless it is renewed. All claims under this guarantee shall be preferred to the executants bank before

We (_____) (Name of the Nationalized Bank with address) hereby undertake not to revoke this guarantee during the period it is in force without obtaining the prior written consent of the Company. Notwithstanding anything contained herein before, our liability under this guarantee is restricted to Rs..... .Our guarantee shall remain in force until Unless a claim in writing is presented to us and if unpaid, a suit or action to enforce such claims is filed against us within six months from the date i.e. within..... All rights under said guarantee shall be forfeited and we shall be released and discharged from all liabilities there under.

Dated at ____ this ____ day of _____, 2016

(Signature on behalf of the Nationalised Bank)

(Seal of the Nationalised Bank)

SECTION - III
TECHNICAL SPECIFICATION

SECTION – III

3.0 Scope of Services.

The services to be provided by the consulting firm for the scope of contract as mentioned in Clause 1.2 are as follows preparation of bid document for the aforesaid SPV power project

3.1 Preparation of EPC Tender Specifications

Tender Specifications (Technical) consisting of the following schemes including drawings, bill of quantities and specific technical conditions and general terms & conditions and Bid evaluation criteria will be prepared for 2MWp Namrup solar PV power Project. The list below is not exhaustive but indicative only.

- 3.1.1** Power generating equipments consisting of PV module, PV arrays, DC system, Inverter , Auxiliary transformer and related auxiliaries
- 3.1.2** 33KV transformer and related auxiliaries.
- 3.1.3** Civil and general works
- 3.1.4** Water pumps
- 3.1.7** Automatic weather station
- 3.1.8** Any other essential for successful commissioning of the project but not specifically mentioned in this document.

3.2 Evaluation of Bids

The tenders, after receipt, will be evaluated by the consultant both technically, commercially and financially within the time stipulated in the offer. All communications shall be made through APGCL. Tender documents shall be prepared in clear unambiguous language and terms in a way which will exclude requirement of any communication with the Turnkey Bidders during the evaluation process of the tenders. If at all such communication becomes inevitable the same shall be made, through APGCL and discussion will be held with the bidders in association with APGCL. Thereafter, the financial evaluation will be carried out by the consultant and the recommendation of the best suitable offer will be made in consultation with APGCL.

3.3 Drafting of purchase order & contract agreement

The draft technical and commercial part of the purchase order/contract agreement will have to be prepared by the consultant and the final contract document including the commercial portion will be issued to the respective contractors by APGCL. Replies to any

queries by authorities regarding evaluation of bids and work order shall be the responsibility of the consultant.

3.4 Project construction Management and Supervision.

Project Construction Management shall comprise of the following

- **Project engineering service**
- **Inspection**
- **Construction Supervision and Commissioning Services**
- **Project Monitoring Service**

3.4.1 Project engineering service

3.4.1.1 Study of the soil testing data and recommendations for the type of foundations

3.4.1.2 Review of design basis report for the civil structural and architectural items.

3.4.1.3 Review of design basis reports and single line diagram for the systems and equipments furnished by Contractors. These reports will include design considerations, selection criteria routing and of the project.

3.4.1.4 Interference between all power station equipment, piping, cabling, building, structure etc. will have to be checked by consultant from the different orthographic drawings prepared by the consultant.

3.4.1.5 Review of design basis reports control philosophy and system description for the control and operation of the plant for the input to the various packages submitted by the contractors.

3.4.1.6 Equipment drawings, designs, design basis and calculations will have to be reviewed by the consultant in order to ensure compliance with the specific requirement of the contract. Specific stress will have to be given to check the interfaces and co-ordination between the different manufacturers.

3.4.2 INSPECTION

The Consultant shall provide the following inspection related services.

3.4.2.1 Study and approval of in-house inspection and test procedures of the contractors for the major packages.

3.4.2.2 Study and approval of test certificates supplied by different supplier.

3.4.2.3 Submission of periodic inspection report highlighting the areas of concern, suggesting corrective measures and checking that the suggested methodologies are being followed by the contractors.

3.4.3 Construction Supervision and Commissioning Services.

The consulting firms shall depute their engineers to the project to provide technical guidance and supervise the following activities

3.4.3.1 Checking the quality of the work being carried out by the contractors as per the contractual conditions and standard norms.

3.4.3.2 Checking the overall progress, foreseeing the bottlenecks in the execution and advising APGCL in time of the remedial measures to be taken and preparing recovery plan to maintain schedule.

3.4.3.3 Interpretation of engineering and design drawings of the contractors at site.

3.4.3.4 Technical assistance to APGCL to store management and material reconciliation.

3.4.3.5 Assistance in all erection, testing and commissioning and Performance Guarantee test

3.4.4 Project Monitoring Service

3.4.4.1 Preparation of master schedule showing the network of all the activities which would be further updated to incorporate the individual activities of the different contractors as committed by them.

3.4.4.2 Periodic updating of the master schedule depending upon the status of the project.

3.4.4.3 Co-ordination of design engineers with equipment vendors, civil contractors, erection contractors and APGCL.

3.4.4.4 Co-ordination of all activities showing preparation of design basis reports, preparation of specification and drawings, tender invitation, tender evaluation, ordering manufacture, vendor's drawing review, transportation and delivery, storage, civil works commencement, erection, testing and commissioning.

3.4.4.5 Cost and expenditure status review will be made based on input data obtained from APGCL.

3.4.4.6 Attending progress review and technical meetings between APGCL and contractor.

-----X-----