



Chhattisgarh State Renewable Energy Development Agency (CREDA)

Regional Office Rajkishor Nagar, Bilaspur.

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Website: <https://creda.cgstate.gov.in>

Tender No. 2670 /CREDA/500KW/AMC/2018-19

Date:- 29/01 /2018

Tender For Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh.

Important Events and their schedule for this Tender are as follows:-

S. No.	Particular	Date & Time	Place
1	Pre Bid	05.09.18 at 2.00PM	O/o Executive Engineer CREDA Regional Office Rajkishor Nagar Bilaspur(C.G.)
2	Submission of Tender Document, Technical Bid, and Price Bid	10.09.18 till 12.30PM	
3	Opening of Tender	10.09.18 from 04.00PM	

Tender Document Cost:- Rs. 5000/-

EMD:Rs.100000/-

The Tender Document shall have to be downloaded from CREDA website <https://creda.cgstate.gov.in>. Cost of tender document as mentioned in NIT, shall have to be deposited along with the tender document.

Note:-

Pre Bid shall be Organized for tender on 05.09.18 at 2.00PM in the office of Executive Engineer CREDA Regional Office Rajkishor Nagar Bilaspur(C.G.). Amended Tender Documents shall be uploaded after pre bid meeting. Only amended tender shall be acceptable in bid. All information/updates shall be published in CREDA document Website: <https://creda.cgstate.gov.in>

**(Executive Engineer)
CREDA R.O.Bilaspur**

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CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY

(CREDA)

(Dept. of Energy, Govt. of Chhattisgarh)



Tender No.2670 /CREDA/500KW/AMC/2018-19

Date:-29/08 /2018

1. NOTICE INVITING TENDER

CREDA here by invites offer from experienced contractor/System Integrators of SPVPP registered with CREDA for FY 2018-19 for **Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh.**

SN	Particulars	EMD	Cost of Tender Document
1	Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh.	Rs.1.00Lakhs	Rs.5000.00

Important Points:-

The Tender can be **downloaded from CREDA Website: <https://creda.cgstate.gov.in>** and the tenderer should enclose a demand draft of Rs.5000 (Rupees Five Thousand only) (Non-Refundable) as Tender Document fee & Rs. 1.00Lakhs (Rupees One Lakhs Only) (Refundable as applicable) as EMD along with tender document, in favour of **CREDA,Bilapsur(C.G.)**.

- Pre Bid meeting will be held on 05.09.18 at 2.00PM in the office of **Executive Engineer, CREDA, Regional Office Bilapsur(C.G.)**
- Last date of depositing the sealed tender forms at office of **Executive Engineer, CREDA, Regional Office Bilapsur(C.G.)** is **10.09.18** till **12.30 P.M.** & **Technical bid** to be opened at **04.00 P.M.** on 10.09.18 in the office of **Executive Engineer, CREDA, Regional Office Bilapsur(C.G.)**
- Financial bid may be opened only after scrutiny of technical bid on the same day or may be on other day, as per the decision of Tender Committee. Interested parties can participate in the tender as per the above description according to the eligibility criteria.
- If any amendment done in this tender will only be notified through CREDA website **<https://creda.cgstate.gov.in>**.

CREDA reserves all rights to accept/reject any or all tenders in full/part without assigning any reasons.

Executive Engineer, R.O.CREDA,Bilaspur

2. APPLICATION FORMAT

To ensure that your tender submitted to CREDA is complete in all respects, please go through the following application for the enclosures attached with your tender:

01	Name of the Firm/ Agency	
02	Address of the Firm/Agency/company	
03	Organization Constitution - Registered Company / Firm - Others	
04	Availability of Local Setup at Chhattisgarh & Address	
06	Experience in Installation and maintenance of On-Grid SPVPP or similar work done in last One year along with copies of the orders, and also their address phone/fax/email as per the Tender Evaluation Criteria and of the tender document.	
07	Annual Turnover Certificate duly signed by Chartered Accountant submitted for last three years	
08	Name of authorized signatory (In block letters) for the agency	
09	Telephone Numbers of the Firm	
10	e-mail address	
13	GST no. (Attached self attested copy of the certificate)	
14	PAN no.(Attached self attested copy of the certificate)	
15	P.F. Registration No. (Attached self attested copy of the certificate)	
16	ESI Registration No. if applicable (Attached self attested copy of the certificate)	
17	Earnest Money Deposit- Earnest Money Deposit of Rs./-, submitted in the form of Demand Draft/Banker's Cheque, drawn on.....Bank.....Branch, bearing DD/BC No..... date..... is attached herewith.	
18	Tender Document Fee- Tender Document Fee of Rs./-, submitted in the form of Demand Draft/Banker's Cheque, drawn onBank,Branch, bearing DD/BC No.....dated.....is attached herewith.	

PLACE:

AUTHORISE SIGNATORY:

DATE :

NAME IN FULL :

DESIGNATION/STATUS :

FIRM/COMPANY SEAL :

3. UNDERTAKING OF THE TENDERER

I/We have read carefully and examined the notice inviting tender, schedule, General Rules and terms and conditions of the contract, special conditions, Schedule of Rates and other documents and Rules referred to in the tender document for the work.

I/We hereby tender my rates for the execution of the work for CREDA as specified within the time stipulated in the schedule in accordance with all aspects with the specifications, designs, drawings and instructions with such conditions so far as applicable.

I/We agree to keep the tender open for Ninety (90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of Rs.1,00,000.00 is hereby forwarded as earnest money in the form of crossed demand draft/pay order. If I/We, fail to commence or complete the work ordered in specified time I/We agree that the CREDA shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money absolutely. The said Earnest Money shall be retained by CREDA towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be required by CREDA.

I/We hereby declare that I/We shall treat the tender documents, drawings and other records connected with the work as secret/confidential and shall not communicate information derived there-from to any person other than a person to whom I/We have authorized to communicate the same or use the information in any manner prejudicial to the safety of CREDA/the State Govt.

I/We shall abide to all the laws and shall be responsible for making payments of all the taxes, duties, levies and other Govt. dues etc. to the appropriate Govt.

Our state service tax registration No. is _____ and CST registration No. is _____. The PAN No. under the Income Tax Act is _____.
GST no is _____.

I/We shall be responsible for the payment of the respective taxes to the appropriate authorities and should I/we fail to do so, I/we hereby authorize CREDA to recover the taxes due from us and deposit the same with the appropriate authorities on their demand.

Dated:

Place:

Signature
Name of Tenderer with seal

Witness

Signature:

Name:

Postal Address:

4. GENERAL TERMS and CONDITIONS

1. Rates are invited for **Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh. Rates shall include:-**
 - a. Maintenance of complete solar power plant with PDN till the main Electrical panel of High Court.
 - b. Keeping manpower to handle plants as per CREDA guidelines.
 - c. All types of consumable including nut bolts, fuses, SPDs, MCBs etc. Required for operation of Solar Power Plant
 - d. Earthings & lightning arrester should be maintained properly keeping the earth resistivity within normal standard values.

All work under scope of work mentioned in PART-A of this document.

2. **CREDA shall provide such parts/equipment, which gets faulty due to recognized technical faults, for replacement, if required.**
3. **Tenderer should be a registered and experienced Service Provider/System Integrator with CREDA. Preference will be given to tenderer having experience in AMC of solar power plants either directly or through a supplier company.**
4. Earnest money should be deposited in the form of demand draft/Pay order in favour of CREDA, Bilaspur payable at Bilaspur. The tenders without Earnest Money in the prescribed manner shall be summarily rejected.
3. Qualified Eligible tenderer who has quoted lowest rates as per the clause of the tender & who accept the rates approved by CREDA shall be required to enter into an Agreement with CREDA on a non-judicial stamp paper of Rs.100/- in the prescribed format appended hereto. Tenderer shall quote his rates as per various terms and conditions of the tender documents, which will form part of the agreement.
4. The job (AMC) shall be allotted/valid for a period of One years, which may be extendable till next four years annually, on mutually agreed terms and conditions.
5. Price bid shall be submitted in separate sealed covers mentioning clearly on the envelop as **"PRICE BID"**. Tender Document (with seal & signature on each page), EMD & Eligibility related documents should be submitted in separate envelop marked as **"Eligibility document"**. These two envelopes shall be placed in the third envelope mentioning the name of the tenderer, the tender number and the details for which rates have been offered.
6. Tender should be dropped in the tender box at the office of Executive Engineer, CREDA, Bilaspur up to **12.30PM on 10.09.18** and will be opened by a committee on 10.09.18 **at 4.00P.M.** CREDA shall not accept tenders received by post or handed over personally to any CREDA employ.
7. Tenderers should inspect and examine the sites and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent upon any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining all materials at his own cost, tools & plants, water electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents.
8. Submission of a tender by a tenderer implies that he has read all the terms and conditions of the tender and all other contract documents and has made himself aware of the scope and

specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. (including GST,levies and other obligations as may be enforceable from time to time and FOR site High Court Bilaspur (C.G.)) will be issued to him by the government and local conditions and other factors having a bearing on the execution of the work.

9. **Price:** The price quoted should be for Site considering General terms and Condition and scope of work mentioned in **Part- A** (Scope Of Work) of this document , and related consumables FOR destination including GST, packing, forwarding, freight, insurance, loading-unloading, transportation and any other incidental charges.
10. CREDA shall deduct TDS/GST wherever applicable. It may please be noted that CREDA shall not issue any 'C' form for the above work.
11. In case any corrections/alteration done in tender, the tenderer should sign the same otherwise tenders may not be considered.
12. Offers through Telegraph/Fax etc. received open will not be considered.
13. CREDA reserves full rights to accept or reject all or any tender partially or fully without assigning any reason thereto. All tenders, in which any of the prescribed conditions is not fulfilled or the tenderer puts forth any condition including that of conditional rebate, shall be liable to be rejected.
14. AMC work may be extended for the five year on mutually agreed rates, terms & condition, if required.
15. Any dispute arising out of the contract shall be subject to the jurisdiction of High Court at Bilaspur.

5. Scope of work

PART A1

The scope of work for Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh.

➤ **The details of scope of work are as under:-**

1. fu;fer i ls yxHkx izfr 05 fnuksa esa IHkh LFkkfir ekWM~;wyksa dh IQkbZ] ACDB/DCDB dusD'kuksa dh fu;fer tkWap ,oa IQkbZ] ikoj daMh'kfuax ;wfuV dk j[kj[kko ,oa IQkbZ bR;kfn leLr dk;Z Isok bdkbZ dks djus gksaxsA
2. ikoj IykaV LFky ij LFkkfir IHkh la;a=ksa ds fy, mfpr vfFkZax O;oLFkk ØsMk ds fn'kk funksZ'kksa ds vuq:i lqfuf'pr djuh gksxhA
3. PCU ds j[kj[kko dh IEiw.kZ ftEesokjh LFkkiukdrkZ bdkbZ dh gksxh] vr% la;a= esa dksbZ [kjkch vkus ij IsokdrkZ bdkbZ dks rRdky la;a= LFkkiukdrkZ bdkbZ ,oa lacaf/kr ØsMk ftyk dk;kZy; dks lqfpr djuk gksxk] lkFk gh ;fn vko';Drkuqlkj Lis;j lkexzh miyC/k gksus ij la;a= dks dk;Z'khy j[kuk gksxkA
4. Isok bdkbZ dks izfrekg IHkh vknsf'kr LFky ds la;a=] fo|qr forj.k iz.kkyyh] iFk izdk'k la;a= dks dk;Z'khy j[kuk vfuok;Z gksxk A
5. Isok bdkbZ dks LkkQ&IQkbZ esa mi;qDr lkexzh;ksa ¼tSls& Cyksoj] okVj ikbZi] >kMq] okf'kax ikmMj] lhM+h] okbZij bR;knh ds lkFk vko';d eSu&ikWoj dh O;oLFkk Hkh djuh gksxhA
6. ikoj IykaV esa ,d vkWijsVj (ITI Pass Out) 24 ?ka.Vs tks la;a= ds fu;fer lapkyu rFkk j[kj[kko esa izf'kf{kr gks dks j[kk tkuk vfuok;Z gksxk A
7. la;a= dk;Z'khyrk ,oa ;fn dksbZ lq/kkj fd;k x;k gks rks fjiksVZ rFkk ns;d izfrekg layXu fu/kkZfjr izk:i esa izR;sd ekg dh 05 rkjh[k rd ØsMk ds lacaf/kr ftyk dk;kZy; dks izLrqr djuk gksxk A
8. Isok bdkbZ dks dk;Z'khyrk laca/kh izfrosnu dk IR;kiu LFky ds lacaf/kr inkf/kdkjh ls djokuk vfuok;Z gksxk A
9. Isok bdkbZ dks dk;Z dk vkns'k gksus ij bdkbZ }kjk tek EMD jkf'k dks lqj{kkfuf/k ds rkSj ij dk;kZns'k dh le;kof/k rd iz/kku dk;kZy; esa tek j[kh tkosxhA
10. Isok bdkbZ }kjk j[ks x, IykaV vkWijsVj] rduhf'k;u lqijokbZtj bR;kfn dfeZ;ksa dh iw.kZ tkudkj] ck;ksMkVk] QksVksxzk¶l bR;kfn] {ks=h; dk;kZy; rFkk iz/kku dk;kZy; dks miyC/k dj;k;k tkuk gksxkA
11. lapkyu rFkk j[kj[kko ds fy, j[ks x, dfeZ;ksa esa ls ;fn fdUgha dkj.kksao'k bUgsa cnyk tkrk gS rks bldh tkudkj lacaf/kr dk;kZy;ksa esa e; ck;ksMkVk] QksVksxzk¶l ds nh tkosxhA
12. DyLVj rduhf'k;u ,oa vkWijsVj dk foLr`r dk;Z layXu Hkkx esa fn;s x;s funksZ'kksa ds vuq:i lqfuf'pr djuk gksxkA
13. ftyk@{ks=h; dk;kZy; Lrj ij IHkh rduhf'k;u ,oa lqijokbZtj ekg esa ,d ckj mifLFkr gksaxs] ftlesa bdkbZ ds ,e-lh dk;Z dh fjiksVZ fu/kkZfjr izk:i esa izLrqr djsaxs rFkk mDr fjiksVZ dk ijh{k.k dk;Z;kiyu vfHk;ark@lgk;d vfHk;ark }kjk fd;k tkosxkA

14. vko';drk gksus ij le; le; ij ikoj IykaV dh ejEer@[kj]kko ds laca/k esa funsZ'k fn, tk ldrs gSa tks bdkbZ dks ekU; gksaxs A
15. Isok bdkbZ dks izpfyr lHkh vf/kfu;eksa dk ifjiky lqfuf'pr djuk gksxk A
16. Isok bdkbZ dks la;a=ksa dh tkWap gsrq vko';d midj.k ;Fkk gkbM*ksehVj] eYVhehVj] DySEiehVj] vFkZ ehVj bR;kfn v/khuLFk rduhf'k;uksa dks miyC/k djkus gksaxs A
17. Isok bdkbZ ds ns;dksa dk Hkqxrku ØsMk ftyk dk;kZy; fcykliqj ls izkIr vxzs"kk Vhi ds vk/kkj ij ØsMk tksuy dk;kZy; fcykliqj dh Lohd`fr i'pkr {ks=h; dk;kZy; fcykliqj }kjk fd;k tk,xkA Hkqxrku ds le; izpfyr fu;eksa ds vuqlkj vk;d] oSV rFkk oDIZ dkUV^aSDV VSDI dkV dj lacaf/kr foHkkx esa tek fd;k tk,xkA
18. fgrxzkgh vFkok ØsMk }kjk dksbZ f'kdk;r izkIr gksus ij Isok bdkbZ dks lacaf/kr f'kdk;r ds fuokj.k djus gsrq funsZf'kr djus ij Isok bdkbZ }kjk lacaf/kr f'kdk;r dk fujkdj.k vf/kdre 02 fnol esa fd;k tkuk gksxkA
19. Isok bdkbZ }kjk ØsMk ls izkIr fdll lkexzh dk iz;ksx] ØsMk ds dk;Z ds vfrfjDr vU;Fkk ugha djsaxs ;k fcuk ØsMk ds fyf[kr vuqefr ds dksbZ Hkh lkexzh LFky ls foLFkkfir ;k LFkkukarfjr ugha djsaxs A
20. vuqca/k vof/k ds nkSjku Isok bdkbZ lapkyu ,oa j[kj]kko esa yxk;s x;s O;fDr;ksa ls viuk lEiw.kZ le;] /;ku rFkk {kerk ØsMk ds dk;ksZa esa yxk;k tkuk lqfuf'pr djsaxs A
21. fdll Hkh le; ;g fl) gksus ij fd Isok bdkbZ }kjk fn;k x;k dksbZ dFku xyr gS ;k muds }kjk nh xbZ tkudkj xyr ;k Hkzkd nh xbZ gS ;k Isok bdkbZ dk dk;Z larks"ktud ugha ik;s tkus ij Isok bdkbZ ds fo;) vko';d dk;Zokgh dh tk ldsxh A
22. lkSj la;a= ds j[kj]kko ,oa vU; ds laca/k esa tkudkj **PART A2** esa layXu gSA

PART A2

PLANT PERFORMANCE EVALUATION

Minimum CUF of 15% should be maintained for a period of AMC Work order. The bidder should send the Monthly plant output details to CREDA for ensuring the CUF in prescribe format.

Submission of O&M Report (OMR)

The bidder shall submit the Monthly O&M Report mandatorily to CREDA as per the Format enclosed at **Annexure X**, every month. Non-submission of the report shall be considered as “Breach of Contract” and shall attract punitive actions as per the relevant provisions of the Contract including non-release of subsidy. However, the decision of Engineer-in-charge shall be final in this regard.

1. SOLAR PANELS

Although the cleaning frequency for the panels will vary from site to site depending on soiling, it is recommended that

- The panels are cleaned at least once every five days.
- Any bird droppings or spots should be cleaned immediately.
- Use water and a soft sponge or cloth for cleaning.
- Do not use detergent or any abrasive material for panel cleaning.
- Isopropyl alcohol may be used to remove oil or grease stains.
- Do not spray water on the panel if the panel glass is cracked or the back side is perforated.
- Wipe water from module as soon as possible.
- Use proper safety belts while cleaning modules at inclined roofs etc.
- The modules should not be cleaned when they are excessively hot. Early morning is particularly good time for module cleaning?
- Check if there are any shade problems due to vegetation or new building. If there are, make arrangements for removing the vegetation or moving the panels to a shade-free place.
- Ensure that the module terminal connections are not exposed while cleaning; this poses a risk of electric shock.
- Never use panels for any unintended use, e.g. drying clothes, chips etc.
- Ensure that monkeys or other animals do not damage the panels.

2. CABLES AND CONNECTION BOXES

- Check the connections for corrosion and tightness.
- Check the connection box to make sure that the wires are tight, and the water seals are not damaged.
- There should be no vermin inside the box.
- Check the cable-insulating sheath for cracks, breaks or burns. If the insulation is damaged, replace the wire.
- If the wire is outside the building, use wire with weather-resistant insulation.
- Make sure that the wire is clamped properly and that it should not rub against any sharp edges or corners.
- If some wire needs to be changed, make sure it is of proper rating and type.

3. *INVERTER*

- The inverter should be installed in a clean, dry, and ventilated area which is separated from, and not directly above, the battery bank.
- Remove any excess dust in heat sinks and ventilations. This should only be done with a dry cloth or brush.
- Check that vermin have not infested the inverter. Typical signs of this include spider webs on ventilation grills or wasps' nests in heat sinks.
- Check functionality, e.g. automatic disconnection upon loss of grid power supply, at least once a month.
- Verify the state of DC/AC surge arrestors, cable connections, and circuit breakers.

4. SHUTTING DOWN THE SYSTEM

- Disconnect system from all power sources in accordance with instructions for all other components used in the system.
- Completely cover system modules with an opaque material to prevent electricity from being generated while disconnecting conductors.
- To the extent possible, system shutdown will not be done during day time or peak generation.

Operation and Maintenance Schedule

Component	Activity	Description	Interval
PV Module	Cleaning	Clean and bird droppings/dark spots on module	Immediately
	Cleaning	Clean PV modules with plain water or mild dish washing detergent. Do not use brushes, any type of solvents, abrasive, or harsh detergents.	Fortnightly or as per the site conditions.
	inspections for plants >100 KWp	Use infrared camera to inspect for hot spots; bypass diode failure	Annual

Component	Activity	Description	Interval
PV Array	Inspection	Check PV Module and rack for any damage note down location and serial no. of damaged modules	Monthly
	Inspection	Determine if any new object such as a vegetation growth are causing shading of the array and move them if possible.	Monthly
	Vermin removal	Remove bird nests or vermin from array and rack area	Monthly
Junction Boxes	Inspection	Inspect electrical boxes for corrosion or intrusion of water or insects. Seal boxes is required. Check position of switches and breakers. Check operation of all protection devices.	Monthly
Wiring	Inspection	Inspect cabling for signs of cracks, defects, loose connections, over heating, arcing, short or open circuits, and ground faults.	Monthly
Inverter	Inspection	Observe	Weekly

Monthly O & M Report Format

Month and year:

Name of the System Integrator:

Project Capacity:

Address of the site:

Part A*Provide details of any replacement of systems/components, damages, plant/inverter shut down (planned/forced), breakdown, etc under remarks.

***Register** is to be maintained by the system integrator at each location where solar power plant of all the sites mentioned in this bid. The same may be inspected by CREDA or its authorised representative at any time during O&M period. The Register will have the information about the generation, Inverter downtime if any, Grid outages etc.

Annexure X-Part B

Date of Month	Generation in KWh	Grid outage (hh:mm)	Inverter down period (hh:mm)	Remarks
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
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21				
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23				
24				
25				
26				
27				
28				
29				
30				
31				

Total generation for the month in kWh:

Cumulative generation since commissioning in kWh:

CUF for month in %:

Cumulative CUF since commissioning in %:

Date:

(Name: _____)

Signature of the Authorised signatory of the System Integrator (**Name:** _____)

Signature of the Authorised signatory of the Beneficiary

Format for Generation Reading(Grid Export/Import)

Name of the Building
Capacity of Solar Power Plant
Date of Synchronization
Reporting Month

S N	Solar Generation				Exported to CSPDCL					Exp orte d KWh % of Tota l Gen erati on	Imported from CSPDCL				Solar Power Utilise d by Benf. in KWh (A-B)	% of Sola r Pow er Utili sed by Benf .	Tota l Pow er Con sum ptio n of Benf . (A- B+C)	R e m a r k
	P r e v .	C u r .	T o t a l R e a d i n g	M F	Tota l Gen erati on KWh (A)	Pr ev.	Cu r.	Total Readi ng	M F		Tot al Exp ort KW h (B)	Pr ev.	C u r .	T o t a l R e a d i n g				

GENERAL CONDITION OF CONTRACT PART B

6.

1. **VARIATION, ADDITIONS & COMMISSIONS**: CREDA shall have the right to alter, amend, omit, or otherwise vary the quantum of work, by notice in writing to the contractor. The contractor shall carry out such variation in accordance with the rates specified in the contract so far as they may apply and where such rates are not available; those will be mutually agreed between CREDA and the contractor.
2. **FORCE MAJEURE**: The contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE such as of God, acts of public enemy, acts of government, cyclone fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes provided that the contract, shall within 10 (ten) days from the beginning of such delay notice the CREDA in writing of the cause of delay. CREDA shall verify the facts and grant such extension as facts justify.
3. **REJECTION OF WORKS**: In the event of any of the material supplied/ work done by the contractor is found defective in material or workman ship or otherwise not in conformity with the requirement of this contract specifications, CREDA shall either reject the material and/ or work and advise the contractor to rectify the same. The contractor on receipt of such notices rectify or replace the defective material and rectifies the work, free of cost.
4. **EXTENSION OF THE TIME**: If the completion of supply of material is delayed due to any reason beyond the control of the contractor, the contractor shall without delay give notice to the CREDA in writing of his claim for an extension of time. CREDA on receipt of such notice may agree to extend the contract/delivery date of the material as may be reasonable but without prejudice to other terms and conditions of the contract.
5. **Workmanship quality assurance: Any defect noticed during this period should be rectified/replace by the supplier to the satisfaction of CREDA, upon written notice provided such defects may be due to bad workmanship or bad materials used.**
6. **PENALTY FOR DELAY IN COMPLETION OF CONTRACT**: :
If the contractor fails to complete the works within the required schedule specified in the work order or any extension granted there to, CREDA will recover from the contractor the cost incurred on the job by CREDA means.
7. **PAYMENT TERMS**: The following terms of payment shall apply against this tender:
100% per month of the total value of the order to the full satisfaction of CREDA.
8. **SECRECY**: The contractor shall treat the details of the specifications and other documents as private and confidential and they shall not be reproduced without written authorization from CREDA.
9. **AGREEMENT**: The successful contractor shall have to enter into an agreement with the concerned Engineer in charge in the approved contract agreement form within 15 days of the receipt of the individual work order.
10. **JURISDICTION OF THE HIGH COURT OF BILASPUR**: Suits, if any, arising out of this contract shall be filed by either party in a Court of Law of which the jurisdiction of the High court of Bilaspur extends.
11. **Pre-bid meeting** will be held in the office of Executive Engineer CREDA R.O.Bilapsur on 05.09.18 at 2.00PM

6. GENERAL INFORMATION SCHEDULE-I

(Strike off whichever is not applicable. Separate sheets should be used, wherever necessary)

01. Name & Address of the Bidder :
02. Name & Address of the firm/Company etc. :
- a) Registered office :
- b) Factory/works address :
- c) Telegraphic address :
- d) Fax Nos. :
- e) Telephone Nos. :
- f) Mobile No. :
03. Whether the firm is 100% owned by
- a) State Government : Yes/No
- b) Central Government : Yes/No
- If yes, Notification/certificate issued from : Yes/No
- The competent authority to this effect is
- Enclosed
04. Experience of AMC work with CREDA as a Service
Provider. : Yes/No
05. Any other information that bidder may like : If yes, give details
to give in order to highlight his bid
06. PAN No. :
07. GST Registration No. :

PLACE

SIGNATURE OF TENDERER

DATE :

NAME IN FULL

DESIGNATION/STATUS

FIRM/COMPANY SEAL

7. COMMERCIAL INFORMATION SCHEDULE – II

(Strike off, whichever is not applicable. Separate sheets should be used. Wherever necessary)

01. a) Earnest Money details: Bank draft/Bankers cheque no...../ Cash with Accounts incharge, CREDA R.O.Bilaspur,
b) Amount of E.M.D. & full details: Rs. _____
02. Whether the offer is valid for 180 days from the date of opening of commercial/ (If no, state validity period) technical bid. Yes/No
03. Rate of Sales Tax/VAT on the date of Application.
04. **DISCOUNT:**
a) Whether any rebate/discount is offered. Yes/No
b) If yes, whether the rebate is Unconditional/conditional
c) Rate/amount of rebate/discount
d) If conditional State condition
05. **PAYMENT TERMS:**
Whether CREDA's terms of payment is Acceptable to the tenderer (If no state conditions). Yes/No
06. **COMPLETION PERIOD OF WORK:**
Whether tenderer is agree for completion Period of work as specified in the tender Yes/No
07. **PENALTY CLAUSE:**
Whether agreeable to CREDA's Penalty Clause Yes/No
08. Whether agreeable to CREDA's clause of guarantee period Yes/No
09. **SECURITY DEPOSIT:**
a) Whether agreeable to furnish CREDA's standard security: @ 20% of the monthly rates finalized for clusters in the district in the form of DD/FDR payable to CREDA ,Bilaspur. Yes/No
b) If not, indicate deviation specifically.
10. Indicate State, TIN Registration Number State Sales tax & service tax shall be deducted from bill
11. Please mention whether rates offered are applicable for part quantities. Yes/No

PLACE

SIGNATURE OF TENDERER
NAME IN FULL

DATE

DESIGNATION/STATUS
FIRM/COMPANY SEAL

8. PRICE BID

Schedule of Rates- Price Bid:

SN	Particulars	Amount without GST in Rs.
1.	Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh.	
2.	If AMC is extended after one year completion then the % of escalation of rate would be	

Terms:

These rates are inclusive of Excise, Insurance, Freight, Loading, unloading, transportation, work, labour charge etc. and excluding of GST% if Applicable.

Signature of the Tenderer
With Name, Designation,
Seal & Date

9. Monthly Generation Report of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh.

Month Wise Generation Report 2015		
S.No	Month	Total Generation in unit
1	January	54263
2	February	61736
3	March	71489
4	April	69467
5	May	65425
6	June	55615
7	July	50164
8	August	54139
9	September	63600
10	October	58656
11	November	49579
12	December	43618
Total Generation Year		697751

Month Wise Generation Report 2016		
S.No	Month	Total Generation in unit
S.No	January	56708
2	February	58710
3	March	69980
4	April	71667
5	May	69036
6	June	61142
7	July	42249
8	August	44254
9	September	51015
10	October	65161
11	November	51658
12	December	53798
Total Generation Year		695378

Month Wise Generation Report 2017		
S.No	Month	Total Generation in unit
1	January	62923
2	February	66652
3	March	76450
4	April	70564
5	May	64860
6	June	52893
7	July	38256
8	August	41509
9	September	46818
10	October	54192
11	November	49285
12	December	50555
Total Generation Year		674957

Month Wise Generation Report 2018		
S.No	Month	Total Generation in unit
1	January	53805
2	February	31810
3	March	49133
4	April	46758
5	May	46992
6	June	38326
7	July	28068
Total Generation		294892

10. Agreement

This agreement is hereby made today the ----- **day of** ----- **2018** at **CREDA , Bilaspur** between **M/s** -----, a company/firm registered under the Companies Act, 1956 / Partnership Act / ----- Act, having its registered office at ----- India (hereinafter called as "Tenderer", the term which includes its successors, assigns and legal heirs), through ----- on one hand and Chhattisgarh State Renewable Energy Development Agency-CREDA registered under Societies Act having its Registered office at **Head Office, CREDA , Near Energy Education Park, VIP Road Raipur (C.G)** ,Regional Office near Energy Education Park Rajkishor Nagar Bilaspur hereinafter called as "CREDA" the term which includes its successors, assigns and legal heirs; through **Shri** ----- resident of ----- on the other hand on the following terms and conditions:-

1. Whereas, the "CREDA" intends for **Annual Maintenance Contract of Grid-Connected Solar Photovoltaic Power Plant of 500KWp capacity installed at High Court Bilaspur, Chhattisgarh** (hereinafter called as "Supply/Works") or all in the State of Chhattisgarh had floated Tender No. **CREDA/500KW/AMC/2018-19** Date:- /2018 for Item Rate Tender & Contract for as per above tender. "Tenderer" had submitted their rates and agreed to supply/perform the "Work" to CREDA on the rates appended hereto in Annexure No. 1, as per the terms and conditions of the tender already agreed upon, and,
2. Whereas, the rates quoted by the "Tenderer" are inclusive of all taxes, duties, levies, transport and all other incidental expenses F.O.R. at site and the "Tenderer" shall not increase the rates of the supply/perform the "Work" up to **one year from the date of agreement** and the rates mentioned in Annexure -1 shall be valid for a further period of six months or more with mutual agreement, and,
3. Whereas, the "Tenderer" is committed to execute the " Work " at the ordered site, on the rates already agreed upon, within the schedule mentioned in the Work/Supply orders that shall be issued from time to time, and,
4. Whereas, it has been also agreed upon that during any disputes regarding interpretation of any of the clauses of this agreement, the decision of the "Superintending Engineer, CREDA Zonal office Bilaspur" shall be final and binding on both the parties,
5. Whereas, it is agreed upon that all the terms and conditions of the tender and work/supply orders which have already been agreed upon shall form part of this agreement, and,
6. Whereas, it has also been agreed that for any disputes arising, the jurisdiction shall be the Courts of Raipur, in witness whereof, both the parties thereto, put their signatures below:

Witness

1-----

For and on behalf of CREDA

2-----

For and on behalf of TENDRER